County of San Diego

RICHARD E. CROMPTON
DIRECTOR

DEPARTMENT OF PUBLIC WORKS
5510 OVERLAND AVE, SUITE 410
SAN DIEGO, CALIFORNIA 92123-1237
(858) 694-2212 FAX: (858) 694-3597
Web Site: www.sdcounty.ca.gov/dpw/

June 26, 2015

Mr. David W. Gibson, Executive Officer
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108-2700

Dear Mr. Gibson:

COUNTY OF SAN DIEGO, PERMIT R9-2013-0001, PIN 255223 – DELIVERABLE IN RESPONSE TO PROVISION F.2.A, JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

The County of San Diego is pleased to submit the attached updated Jurisdictional Runoff Management Program (JRMP) document in accordance with requirements set forth in Provision F.2.a.(5) of Order R9-2013-0001, the National Pollution Discharge Elimination System (NPDES) Permit and Waste Discharge Requirements for Discharges from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds within the San Diego Region, NPDES No. CAS0109266 (Permit).

The updated JRMP document will also be made available on the Regional Clearinghouse. The document includes an Introduction which outlines a summary of modifications.

If you have any questions or comments, please contact me at (858) 694-3672 or via email at Todd.Snyder@sdcounty.ca.gov

Sincerely,

Todd Snyder

TODD E. SNYDER, Manager
Watershed Protection Program

Attachment: County of San Diego Jurisdictional Runoff Management Program document

County of San Diego

2015 Jurisdictional Runoff Management Program

Revised Version (2019)

Michael Baker INTERNATIONAL

LARRY WALKER ASSOCIATES

County of San Diego

SARAH E. AGHASSI
DEPUTY CHIEF ADMINISTRATIVE OFFICER

LAND USE AND ENVIRONMENT GROUP
1600 PACIFIC HIGHWAY, ROOM 212, SAN DIEGO, CA 92101
(619) 531-6256 • Fax (619) 531-5476
www.sdcounty.ca.gov/lueg

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM STATEMENT OF CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sarah Aghassi

SARAH E. AGHASSI
Deputy Chief Administrative Officer
Land Use and Environment Group
County of San Diego

5/26/15
Date

TABLE OF CONTENTS

1.0 INTRODUCTION AND EXECUTIVE SUMMARY

2.0 ADMINISTRATIVE AND LEGAL PROCEDURES

2.1 DEPARTMENTAL ROLES AND RESPONSIBILITIES 1

2.2 LEGAL AUTHORITY 1

2.2.1 Certification of Legal Authority 1

3.0 DEVELOPMENT PLANNING COMPONENT

3.1 INTRODUCTION 1

3.2 LAND USE PLANNING 1

3.2.1 Background 1
3.2.2 Source Characterization 2
3.2.3 Best Management Practice Requirements 3
3.2.4 Program Implementation 4

3.3 ENVIRONMENTAL REVIEW PROCESS 6

3.4 DEVELOPMENT PROJECT APPROVAL AND VERIFICATION PROCESS 7

3.4.1 Background 7
3.4.2 Source Characterization 8
3.4.3 Best Management Practice Requirements 8
3.4.4 Program Implementation 10

3.5 STRUCTURAL BMPS 19

3.5.1 Structural BMP Inventory 19
3.5.2 Structural BMP Prioritization 19
3.5.3 Structural BMP Maintenance Verifications 20
3.5.4 Structural BMP Inspection and Oversight 20

4.0 CONSTRUCTION COMPONENT

4.1 INTRODUCTION 1

4.2 SITE INVENTORY 1

4.2.1 Private Development Projects and Capital Improvement Program Projects 2
4.2.2 Exempt Projects 2
4.2.3 Inventory Updates 3
4.2.4 Threat to Water Quality Prioritization 3

4.3 ORDINANCE UPDATES 4

4.3.1 Watershed Protection Ordinance 4
4.3.2 Grading Ordinance 5

4.4 BEST MANAGEMENT PRACTICE REQUIREMENTS 5

4.4.1 Updated BMP Requirements 6

4.4.2 Maximum Disturbed Area for Erosion Controls 7

4.5 PROGRAM IMPLEMENTATION 7

4.5.1 Private Development 7

4.5.2 Capital Improvement Program (CIP) 13

5.0 EXISTING DEVELOPMENT COMPONENT

5.1 REQUIREMENTS FOR ALL EXISTING DEVELOPMENT 1

5.1.1 Inventory 1

5.1.2 Best Management Practice Requirements 1

5.1.3 Inspections 2

5.2 INDUSTRIAL AND COMMERCIAL 4

5.2.1 Introduction 4

5.2.2 Inventory 4

5.2.3 Best Management Practice Requirements 4

5.2.4 Inspections 6

5.3 MUNICIPAL 7

5.3.1 Introduction 7

5.3.2 Roads, Streets, Highways, and Parking Facilities Element 10

5.3.3 Municipal Separate Storm Sewer System (MS4) Element 17

5.3.4 Solid Waste Facilities Element 22

5.3.5 Wastewater Facilities Element 28

5.3.6 Road Stations Element 33

5.3.7 Fleet Maintenance Element 38

5.3.8 Municipal Airports Element 41

5.3.9 Parks and Recreation Facilities Element 45

5.3.10 Office Buildings and Other Municipal Facilities Element 50

5.3.11 Pesticides, Herbicides and Fertilizer Management Element 54

5.3.12 Non-Emergency Fire Fighting and Related Activities Element 58

5.3.13 Special Events Element 64

5.4 RESIDENTIAL 68

5.4.1 Introduction 68

5.4.2 Inventory 68

5.4.3 Best Management Practice Requirements 75

5.4.4 Program Implementation 76

5.5 RETROFIT AND REHABILITATION 81

5.5.1 Background 81

5.5.2 Identification of Candidate Areas of Existing Development 81
5.5.3 Identification of Candidate Projects 81
5.5.4 Development of Strategies to Facilitate the Implementation of Identified Candidate Projects 83

6.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION COMPONENT

6.1 INTRODUCTION 1

6.2 NON-STORMWATER DISCHARGES 1

6.2.1 Non-Stormwater Discharges Natural in Origin and Conveyance [E.2.a.(3)] 1
6.2.2 Other Non-Stormwater Discharges [E.2.a.(1)-(2) and E.2.a.(4)(a)-(c)] 1
6.2.3 Stormwater Discharge Categories Determined to be Significant Source of Pollutants 2
6.2.4 Prohibited Non-Stormwater Discharge Categories 3
6.2.5 Control Measures for Allowable Non-Stormwater Discharges 3
6.2.6 Program for Emergency and Non-Emergency Firefighting Flows 6

6.3 PREVENT AND DETECT ILLICIT DISCHARGES AND CONNECTIONS 7

6.3.1 Development and Maintenance of Updated MS4 Drainage Area Map 7
6.3.2 Coordination with Upstream Entities to Prevent Illicit Discharges 7
6.3.3 County Staff and Contractor Reporting of Illicit Discharges and Connections 7
6.3.4 Public Reporting of Illicit Discharges and Connections 7

6.4 SPILL PREVENTION AND RESPONSE 8

6.4.1 Spill Prevention 8
6.4.2 Spill Response, Containment, and Cleanup 9

6.5 DRY WEATHER MS4 OUTFALL DISCHARGE MONITORING 10

6.5.1 Dry Weather MS4 Outfall Discharge Field Screening Monitoring 10
6.5.2 Non-Stormwater Persistent Flow MS4 Outfall Discharge Monitoring 11

6.6 INVESTIGATION AND ELIMINATION OF ILLICIT DISCHARGES AND CONNECTIONS 14

6.6.1 Illicit Discharge Incident Report 16
6.6.2 Validation 16
6.6.3 Prioritization and Response 18
6.6.4 Investigation 18
6.6.5 Tracking to Endpoint 20
6.6.6 Recordkeeping 20
6.6.7 Reporting (Annual Report) 21

7.0 PUBLIC EDUCATION COMPONENT

7.1 INTRODUCTION 1

7.2 STAFF TRAINING ELEMENT 1

7.2.1 Training Objectives 1

7.2.2 General Requirements 2
7.2.3 Training Content 5
7.2.4 Training Methods 9
7.3 EDUCATIONAL OUTREACH ELEMENT 10
7.3.1 Target Audiences 10
7.3.2 Outreach and Education 14
8.0 PUBLIC PARTICIPATION
8.1 INTRODUCTION 1
8.2 STORMWATER COPERMITTEE MEETINGS 1
8.3 INTEGRATED REGIONAL WATER MANAGEMENT PLANNING 3
8.4 WORKSHOPS, CONFERENCES, AND SUMMITS 3
8.5 WATERSHED PLANNING GROUPS 4
8.6 PARTNERSHIPS 4
8.7 HOTLINE AND WEBSITES 5
8.8 MEDIA 7
8.9 COMMUNITY EVENTS AND PUBLIC INTERACTION 7
8.10 WATER QUALITY IMPROVEMENT PLANS 7
9.0 ENFORCEMENT RESPONSE PLAN
9.1 INTRODUCTION 1
9.2 GENERAL APPROACH TO ENFORCEMENT 1
9.3 ROUTINE ILLICIT DISCHARGE DETECTION AND ELIMINATION ENFORCEMENT 2
9.4 ROUTINE DEVELOPMENT PLANNING ENFORCEMENT 3
9.5 ROUTINE CONSTRUCTION MANAGEMENT ENFORCEMENT 3
9.5.1 County Permitted (Private) Construction Projects 3
9.5.2 County CIP and Other Public Construction Projects 4
9.6 ROUTINE EXISTING DEVELOPMENT ENFORCEMENT 5
9.6.1 Enforcement within Existing Residential Areas 5
9.6.2 Enforcement of Structural BMP Performance within Existing Development Areas 5
9.7 ESCALATED ENFORCEMENT AND REPORTING OF NON-COMPLIANT SITES 6
10 FISCAL ANALYSIS COMPONENT
10.1 FISCAL ANALYSIS METHODS 1
11 EFFECTIVENESS ASSESSMENT COMPONENT
11.1 INTRODUCTION 1

11.2 EFFECTIVENESS ASSESSMENT APPROACH 1

12.0 MODIFICATIONS TO THE JRMP

13.0 CONCLUSIONS AND RECOMMENDATIONS

List of Tables

Table 3.1 Anticipated Pollutants of Concern Generated by Land Use Type 3
Table 3.2 Program Implementation Roles and Responsibilities 10
Table 4.1 Definitions of Prioritization Criteria 4
Table 4.2 Department of Public Works, PDCI Inspection Frequencies 12
Table 4.3 PDS Building Inspection Frequencies 12
Table 4.4 Department of Public Works, Capital Improvement Program Projects Construction Inspection Frequencies 17
Table 4.5 Department of Parks and Recreation, Capital Improvement Program Projects Construction Inspection Frequencies 17
Table 4.6 Department of General Services, Capital Improvement Program Projects Construction Inspection Frequencies 18
Table 5.3–1 General Inventory of County Roads 10
Table 5.3–2 TTWQ Criteria for Roads, Streets and Highways 12
Table 5.3–3 Overview of Program Activities Associated with Roads, Streets and Highways 12
Table 5.3–4 DPW Implementation Roles and Responsibilities for the Roads Element 14
Table 5.3–5 TTWQ Criteria for MS4 Structures 18
Table 5.3–6 Inventory of MS4 Elements within the County Unincorporated Area 18
Table 5.3–7 DPW Implementation Roles and Responsibilities for the MS4 Element 19
Table 5.3–8 Overview of the County's Solid Waste Facilities Inventory 23
Table 5.3–9 DPW Implementation Roles and Responsibilities for the Solid Waste Element 25
Table 5.3–10 Overview of the Wastewater Facilities Inventory 28
Table 5.3–11 DPW Implementation Roles and Responsibilities for the Wastewater Element 30
Table 5.3–12 Overview of the County's Road Facilities Inventory 33
Table 5.3–13 DPW Implementation Roles and Responsibilities for the Road Facilities Element 35
Table 5.3–14 Overview of the County's Fleet Facilities Inventory 38
Table 5.3–15 DGS Implementation Roles and Responsibilities for Fleet Element 39
Table 5.3–16 Overview of the County's Airports Inventory 41
Table 5.3–17 Program Implementation Roles and Responsibilities for Airport Element 42
Table 5.3–18 Overview of the County's Parks and Recreation Facilities 45
Table 5.3-19 DPR Implementation Roles and Responsibilities for Parks and Recreation 47
Table 5.3–20 Overview of Office Buildings & Municipal Facilities 50
Table 5.3–21 Implementation Roles and Responsibilities for Other Municipal Facilities Element 51
Table 5.3–22 AWM Implementation Roles and Responsibilities for the Pesticides, Herbicides, and Fertilizer Element 55

Table 5.3–23 Fire Protection Organizations in County Unincorporated Area 59
Table 5.3–24 SDCFA Implementation Roles and Responsibilities for the Non-emergency Fire Fighting Element 61
Table 5.3–25 Summary of Discharge Prohibitions and BMP Requirements 63
Table 5.4–1 Residential Pollutant-Generating Activities 71
Table 5.4–2 Potential Pollutants of Concern and Waste Streams 73
Table 5.4–3 Description and General Focus of Residential Stormwater Programs 76
Table 5.4–4 Residential Stormwater Program Implementation Roles 78
Table 6.1 Field Screening Visual Observations for MS4 Outfall Discharge Monitoring Stations 11
Table 7.1 Minimum Training Frequencies 4
Table 7.2 Overview of Required Training Elements by Responsibility Type 6
Table 7.3 Preferred Training Methods by Target Audience 10
Table 7.4 Public School Enrollment in the County Unincorporated Area (2000) 13
Table 8.1 County Website Resources 6
Table 10.1 Overview of Jurisdictional Program Costs and Funding Sources 2
Table 10.2 Overview of Watershed Program Costs and Funding Sources 9
Table 10.3 Overview of Regional Program Costs 9

List of Figures

Figure 3.1 Planning Hierarchy for Stormwater Management 2
Figure 5.1 1 Existing Development Flow Chart 3
Figure 5.2 1 Industrial and Commercial Facilities in the County Unincorporated Area 5
Figure 5.3 1 General Map of County Roads Network 11
Figure 5.3 2 Solid Waste Facilities in the County Unincorporated Area 24
Figure 5.3 3 Wastewater Facilities in the County Unincorporated Area 29
Figure 5.3 4 Road Stations and Related Facilities 34
Figure 5.3 5 Parks and Recreation Facilities in the County Unincorporated Area 46
Figure 5.4-1 Location of Residential Management Areas 69
Figure 6.1 Overview of Investigation Procedures 15
Figure 6.2 Validation and Initial Responses to Illicit Discharge Incident Reports 17

List of Attachments

Attachment 2.1 County Organizational Charts
Attachment 2.2 County of San Diego Watershed Protection Ordinance
Attachment 3.1 CEQA Initial Study-Environmental Checklist Form for Hydrology and Water Quality
Attachment 3.2 Self-Verification Documents
Attachment 4.1 Construction Site BMPs for Typical Construction Activities
Attachment 5.1 Commercial, Industrial, and Municipal Sources Profiles
Attachment 5.2 BMP Requirements for Specific Industrial, Commercial, and Municipal Sources

Attachment 5.3	Mobile Sources Profiles
Attachment 5.4	Description of Pollutant-Generating Activities for Municipal Sources
Attachment 5.5	Threat to Water Quality Questionnaire (for Municipal Facilities)
Attachment 5.6	BMP Requirements and Recommendations for Residential Sources
Attachment 5.7	Industrial and Commercial Facilities Inventory
Attachment 5.8	Municipal Facilities Inventory
Attachment 5.9	Residential Management Area Map
Attachment 5.10	Municipal PGA/POC Tables
Attachment 6.1	MS4 Drainage Area Map
Attachment 11.1	Water Quality Improvement Plan Goals (April 2015)

ACRONYMS AND ABBREVIATIONS

ABC.....Alcoholic Beverage Control
AC.....Administrative Citation
ACW .....Administrative Citation Warning
ADT.....Average Daily Traffic
ARNC .....Administrative Report of Non-Compliance
AWM .....Department of Agriculture, Weights, and Measures
BLM .....Bureau of Land Management
BMP.....Best Management Practice
CAL FIRE .....California Department of Forestry and Fire Protection
Caltrans .....California Department of Transportation
CASQA .....California Stormwater Quality Association
CEP .....Community Events Permit
CEQA .....California Environmental Quality Act
CGP.....California General Permit for Construction Activities
CIP .....Capital Improvement Project
CLRP .....Comprehensive Load Reduction Plan
COB.....Clerk of the Board
CSA .....County Service Area
CTN.....County Television Network
CWA .....Clean Water Act
DEH.....Department of Environmental Health
DGS.....Department of General Services
DHR .....Department of Human Resources
DLI .....Director's Letter of Instruction
DOP .....Probation
DPR.....Department of Parks and Recreation
DPW .....Department of Public Works
ELAP .....Environmental Laboratory Accreditation Program
EMT .....Emergency Medical Technician
EOG .....Effluent on the ground
ERP .....Enforcement Response Plan
ESA .....Environmentally Sensitive Area
F3P.....Facility Pollution Prevention Plan
FAA.....Federal Aviation Administration
FCD .....Flood Control District
FWS .....Fish and Wildlife Service
HGHH .....Healthy Garden, Healthy Home
HHSA .....Health and Human Services Agency
HHW.....Household Hazardous Waste
HIRT.....Hazardous Incident Response Team

HMP .....Hydromodification Management Plan
HOA .....Homeowners' Association
HPWQC.....Highest Priority Water Quality Condition
IC/ID .....Illicit Connection and Illegal Discharge
IDDE.....Illicit Discharge Detection and Elimination
IPM .....Integrated Pest Management
IRWM .....Integrated Regional Water Management
JRMP.....Jurisdictional Runoff Management Program
LID .....Low Impact Development
LMS.....Learning Management System
LRA .....Local Responsibility Area
LUEG.....Land Use Environmental Group
MEP .....Maximum Extent Practicable
MOU.....Memorandum of Understanding
MS4 .....Municipal Separate Stormwater Sewer System
MSCP .....Multiple Species Conservation Program
NAL.....Numeric Action Level
NGO.....Non-Governmental Organization
NOI .....Notice of Intent
NOV .....Notice of Violation
NPDES.....National Pollutant Discharge Elimination System
P2 .....Pollution Prevention
PCW.....Project Clean Water
PDCI.....Private Development Construction Inspection
PDP.....Priority Development Project
PDS .....Planning and Development Services
PGA.....Pollutant Generating Activity
POC.....Point of Contact
POC.....Pollutant of Concern
POTW .....Publicly Owned Treatment Works
PRP .....Pesticide Regulatory Program
PSA .....Public Service Announcement
Q/A.....Quality Assurance
QAC .....Qualified Applicator Certification
QSD .....Qualified SWPPP Developer
QSP.....Qualified SWPPP Practitioner
RAC.....Regional Advisory Committee
REAP.....Rain Event Action Plans
Regional Board.....Regional Water Quality Control Board
RMA.....Residential Management Area
RWMG.....Regional Water Management Group
SDCFA.....San Diego County Fire Authority

SDCOE .....San Diego County Office of Education
SMARTS.....Stormwater Multiple Application and Resort Tracking System
SRA .....State Responsibility Area
SSO .....Sanitary Sewer Overflow
SUSMP.....Standard Urban Stormwater Mitigation Plan
SWAMP .....Surface Water Ambient Monitoring Program
SWPPP.....Stormwater Pollution Prevention Plan
SWQMP.....Stormwater Quality Management Plan
TMDL.....Total Maximum Daily Load
TTWQ .....Threat to Water Quality
UCCE.....University of California Cooperative Extension
USEPA.....United States Environmental Protection Agency
USFS .....United States Forest Service
WDID .....Waste Discharge Identification No.
WMA .....Watershed Management Area
WPCD .....Water Pollution Control Drawing
WPCP.....Water Pollution Control Plan
WPO .....Watershed Protection Ordinance
WPP.....Watershed Protection Program
WQIP .....Water Quality Improvement Plan
WWM .....Wastewater Management

1.0 INTRODUCTION AND EXECUTIVE SUMMARY

The County of San Diego (County) has prepared this Jurisdictional Runoff Management Program (JRMP) in compliance with San Diego Regional Water Quality Control Board (Regional Board) Order R9-2013-0001 (2013 MS4 Permit). The 1987 amendments to the Federal Water Pollution Control Act (also known as the Clean Water Act, or CWA) established a framework for regulating Municipal Separate Storm Sewer System (MS4) discharges under the National Pollutant Discharge Elimination System (NPDES). In 1990, the Regional Board issued Order No. 90-42, a regional NPDES permit for urban stormwater discharges from the jurisdictions in the urbanized portions of San Diego County. The MS4 Permit has been revised in February 2001, January 2007, and May 2013. The 2013 MS4 Permit requires each Copermittee to develop a Jurisdictional Runoff Management Program. The JRMP includes management measures to prevent discharges to the MS4 and receiving waters.

This version replaces the former County JRMP (previously "JURMP") in response to the 2013 MS4 Permit and is set forth to meet all applicable requirements. The most notable new requirements impacting the County JRMP relate to:

1. Wider applicability and more stringent structural Best Management Practices (BMP) for new and redevelopment areas
2. Increased frequency and location for dry weather outfall monitoring
3. Integration of the JRMP with the strategies identified in the Water Quality Improvement Plans (WQIPs)

In addition to meeting new regulatory standards, the former JRMP has also been:

1. Re-organized to follow the 2013 MS4 Permit and to provide better utility to County staff as a day to day reference document. The commercial, industrial, and municipal elements have been grouped together under the all-encompassing chapter of "Existing Development." Information on the County's enforcement response plan (ERP) has been consolidated and is now in a stand-alone chapter. Previous guidance on the County's Effectiveness Assessment Program have been separated into a stand-alone chapter and streamlined by referencing detailed guidance recently developed by the California Stormwater Quality Association (CASQA).
2. Updated to reflect current County ordinances, standards, department names, as well as organizational functions, names, etc.
3. Revised to increase efficiency in County operational practices and provide greater flexibility in focusing staff resources towards identifying, reducing, and eliminating stormwater pollution.

This updated JRMP document contains a description of the County's program as a whole. It is based on the most updated information available at the time it was prepared. Each year the County will submit a JRMP Annual Report to the Regional Board, and any changes to the JRMP will be noted in that document.

The purpose of this document is to present programs and strategies to reduce the discharge of pollutants from the MS4 and receiving waters to the maximum extent practicable (MEP). This entails improving existing programs and developing new programs intended to minimize or eliminate the effects of urban runoff from the County to the MS4 and receiving waters.

2.0 ADMINISTRATIVE AND LEGAL PROCEDURES 1

2.1 Departmental Roles and Responsibilities..... 1

2.2 Legal Authority 1
2.2.1 Certification of Legal Authority 1

Attachment 2.1: County Organizational Charts

Attachment 2.2: County of San Diego Watershed Protection Ordinance

2.0 ADMINISTRATIVE AND LEGAL PROCEDURES

2.1 DEPARTMENTAL ROLES AND RESPONSIBILITIES

Personnel from a number of County departments and divisions are involved in the implementation of the County's Runoff Management Programs. Attachment 2.1 includes an overall organizational chart for the County and detailed charts for key departments. More specific descriptions of roles and responsibilities are also provided throughout this Jurisdictional Runoff Management Program (JRMP) as they pertain to the implementation of individual program elements.

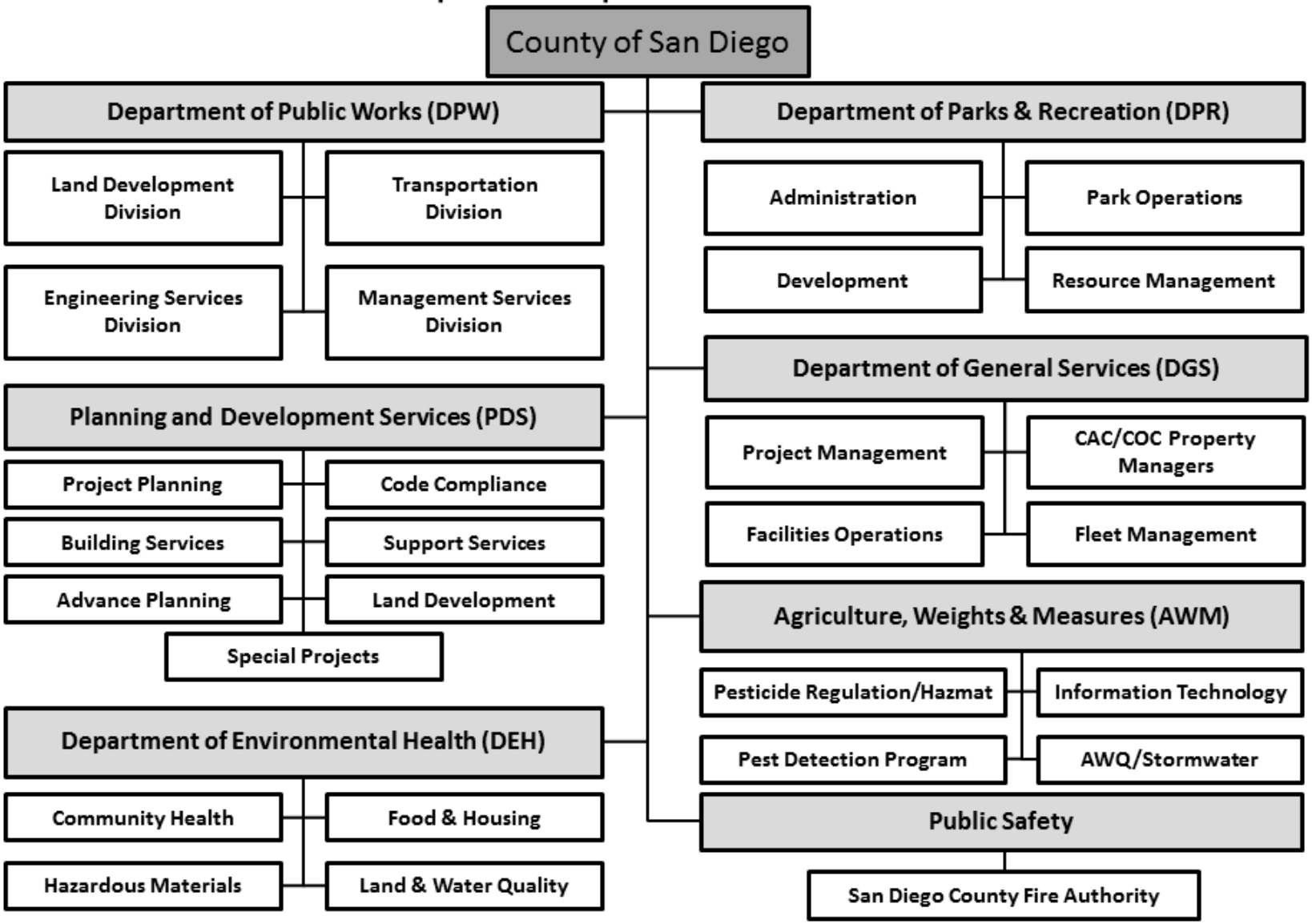
2.2 LEGAL AUTHORITY

2.2.1 Certification of Legal Authority

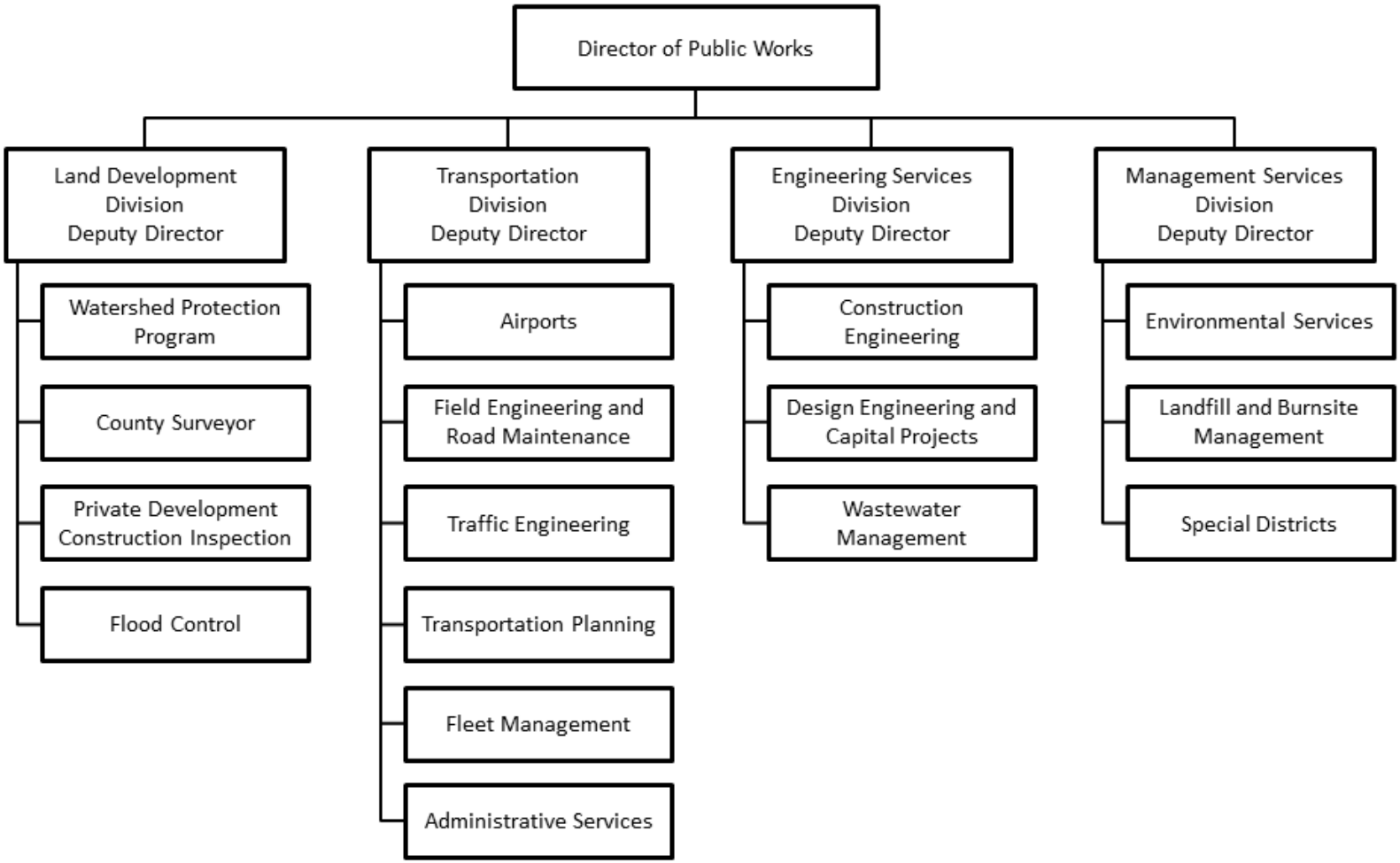
In compliance with Section E.1.a of Order No. R9-2013-0001 (Permit), the County has established adequate legal authority to implement and enforce the requirements contained in the Permit. The County has amended its Code of Regulatory Ordinances—Title 6, Division 7, Chapter 8 that contains the necessary language to implement its stormwater management and discharge control program in accordance with the Permit. An updated version of the County's Watershed Protection Ordinance is included as Attachment 2.2.

Attachment 2.1 – County Organizational Charts

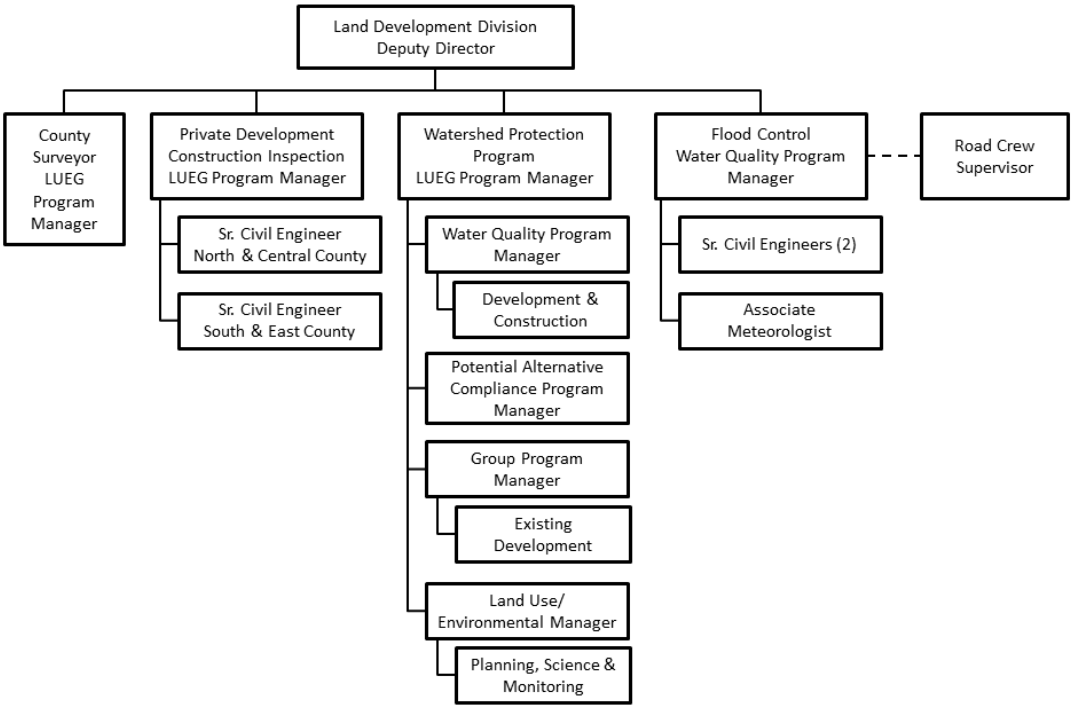
Overview of Departments and Groups Implementing the Municipal Component of the JRMP



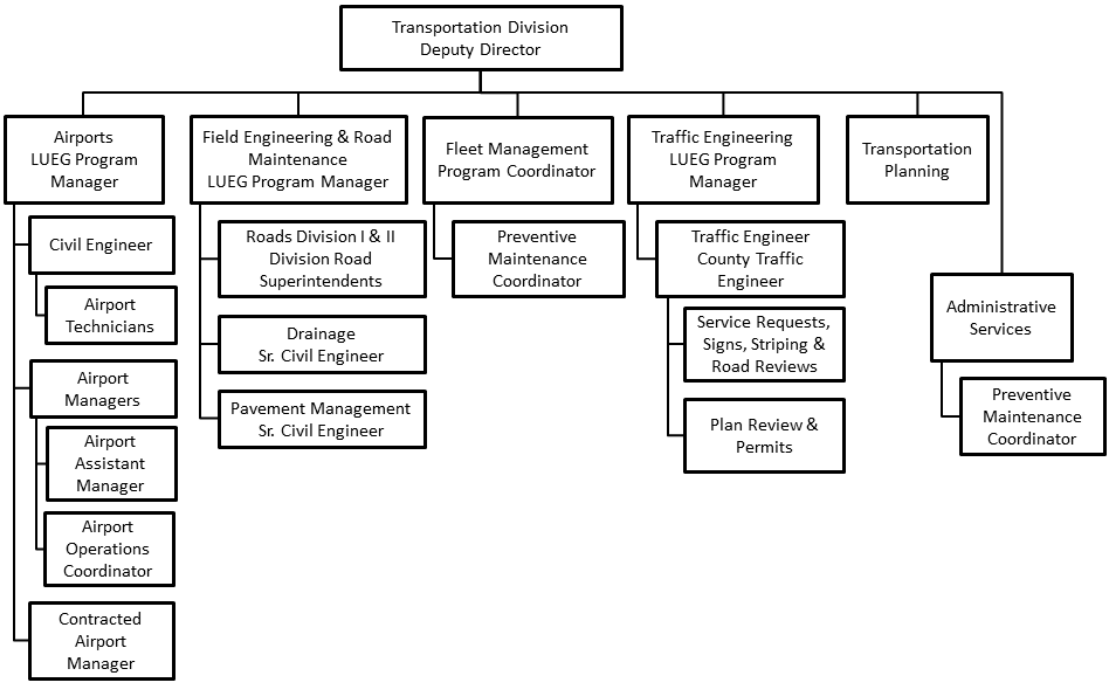
DPW Management



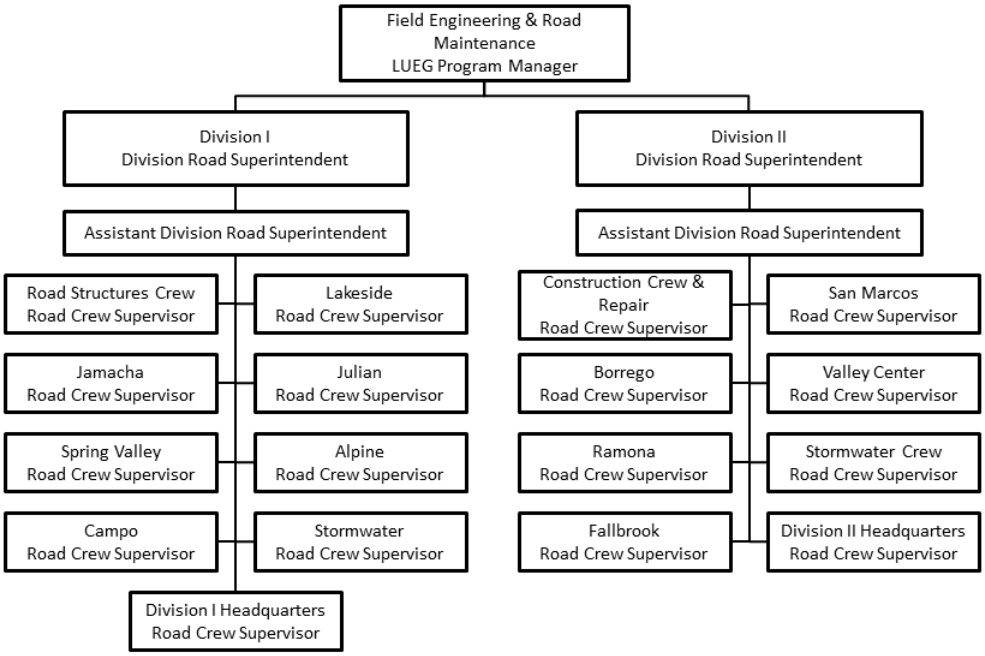
DPW Land Development Division



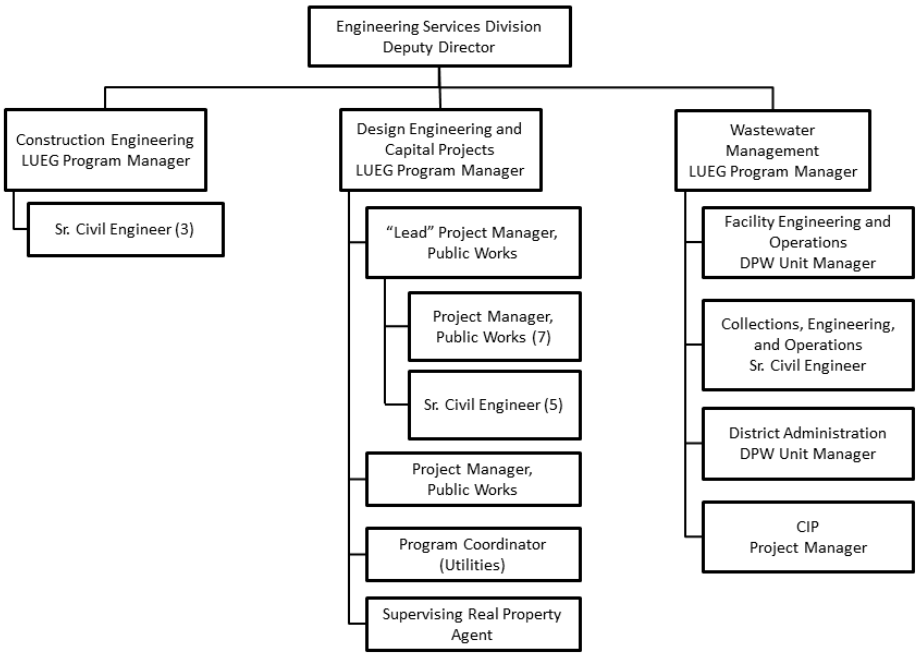
DPW Transportation Division



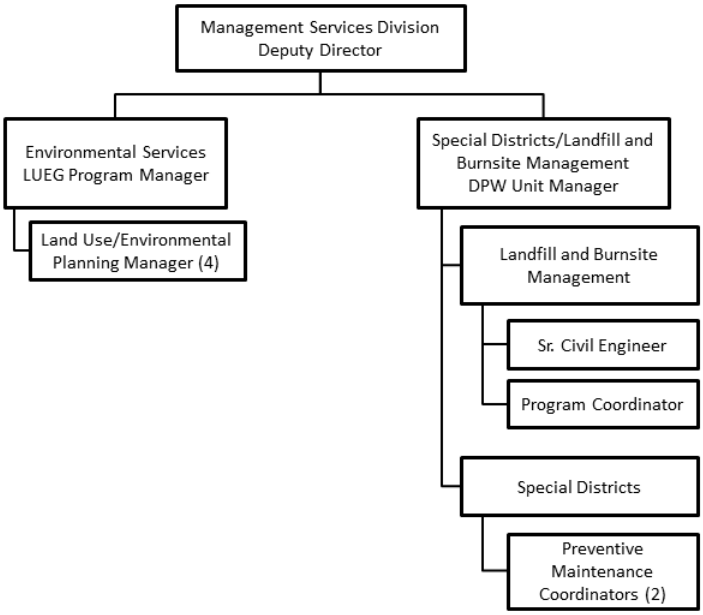
DPW Transportation Division – Roads Division I & II



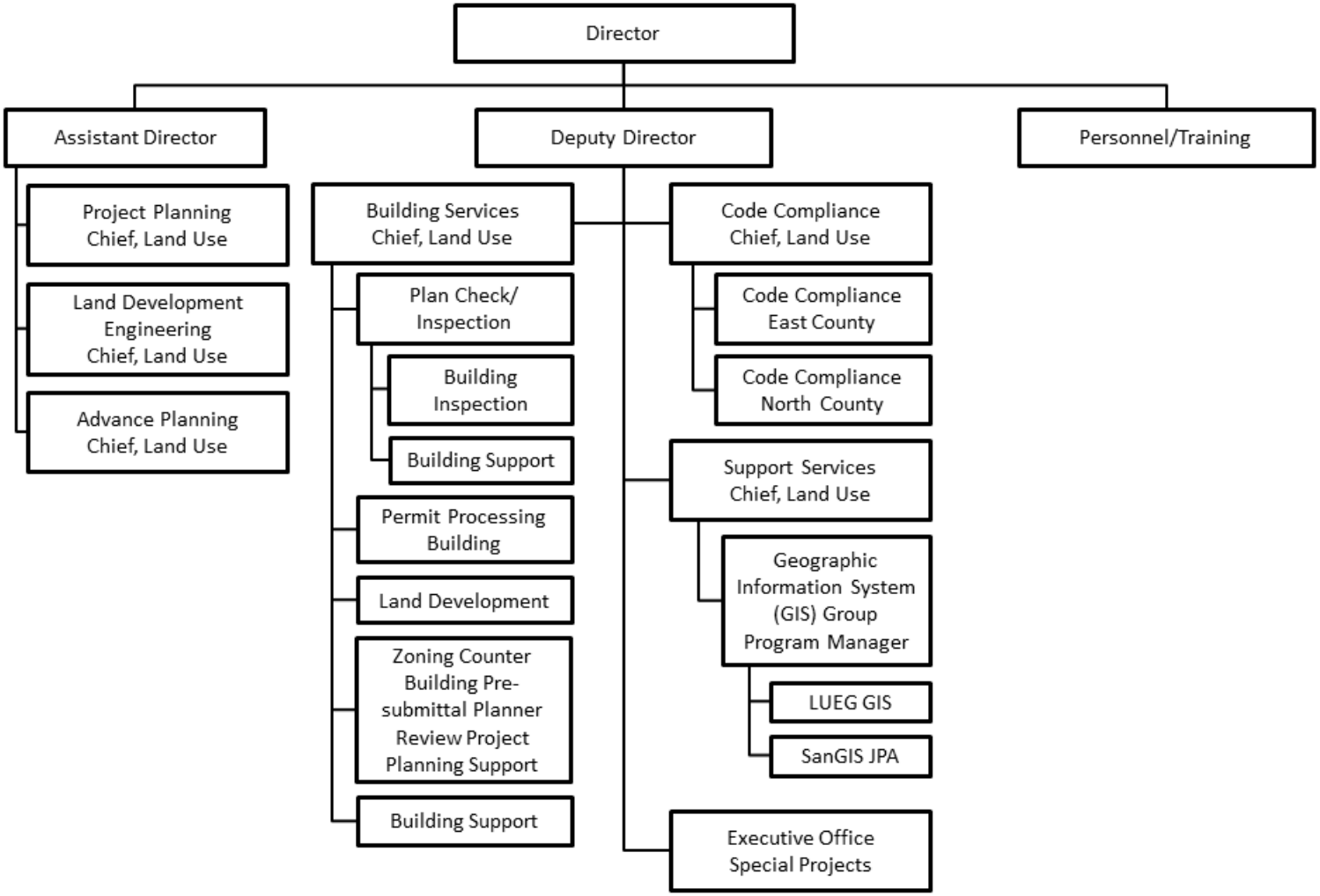
DPW Engineering Services Division



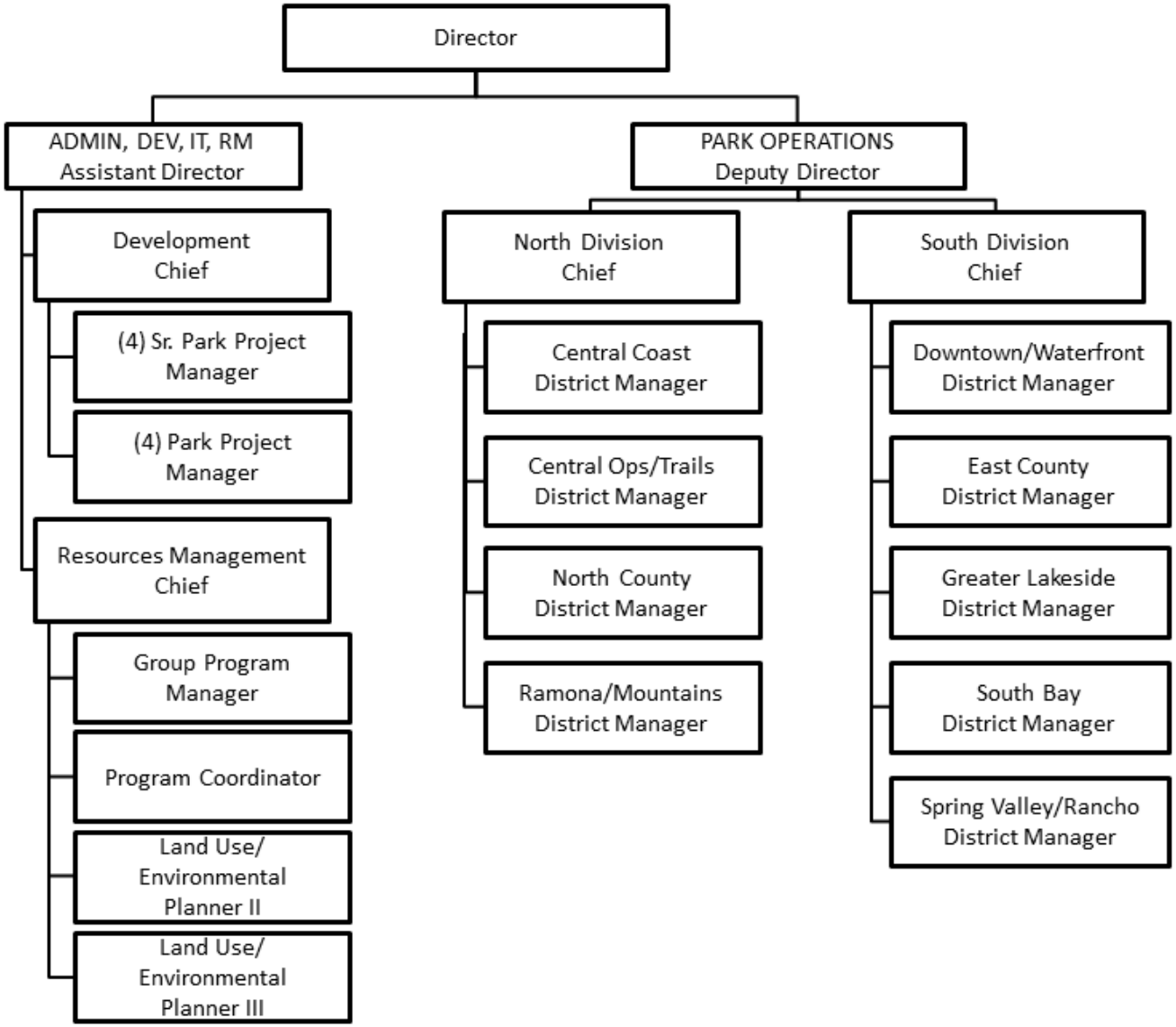
DPW Management Services Division



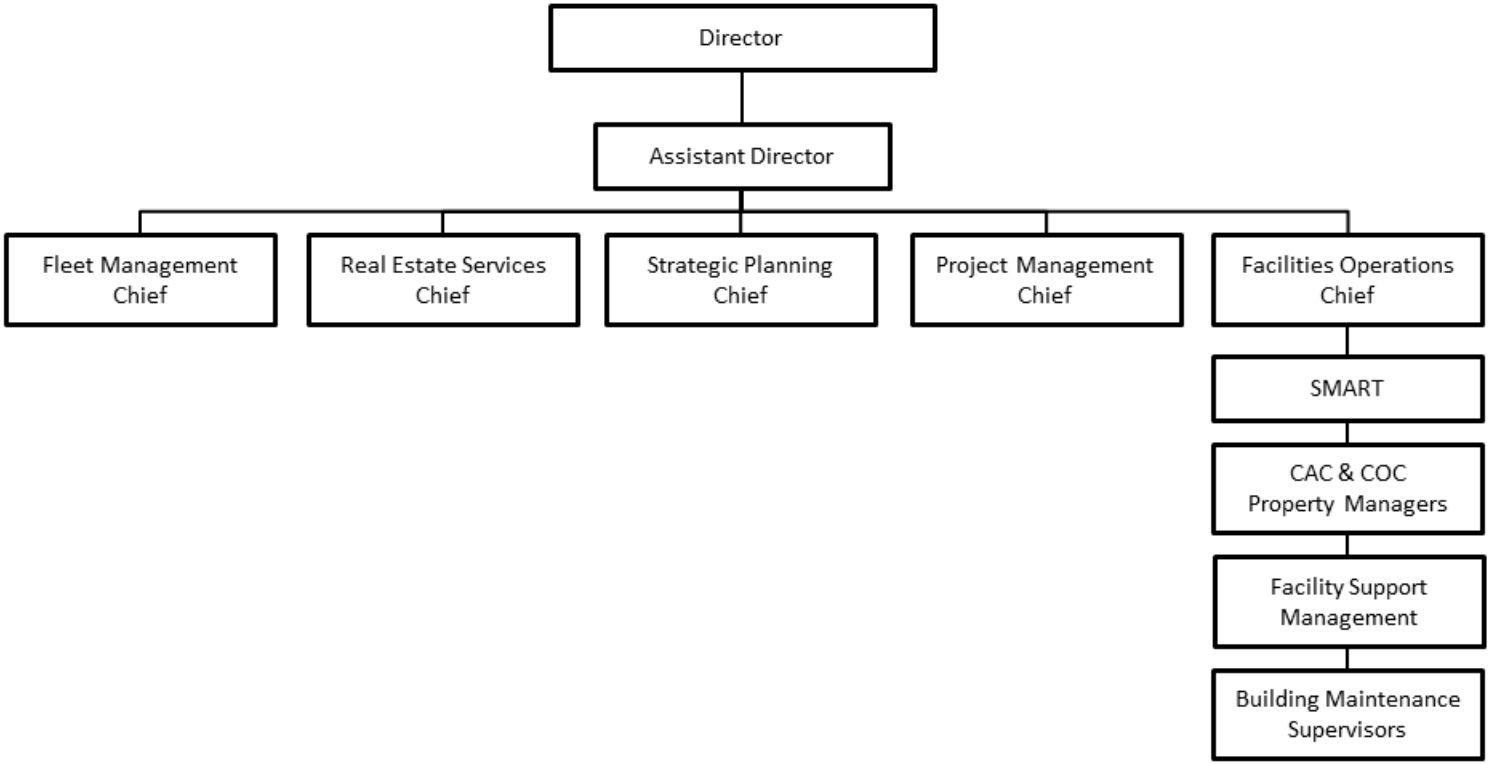
PDS Organizational Chart



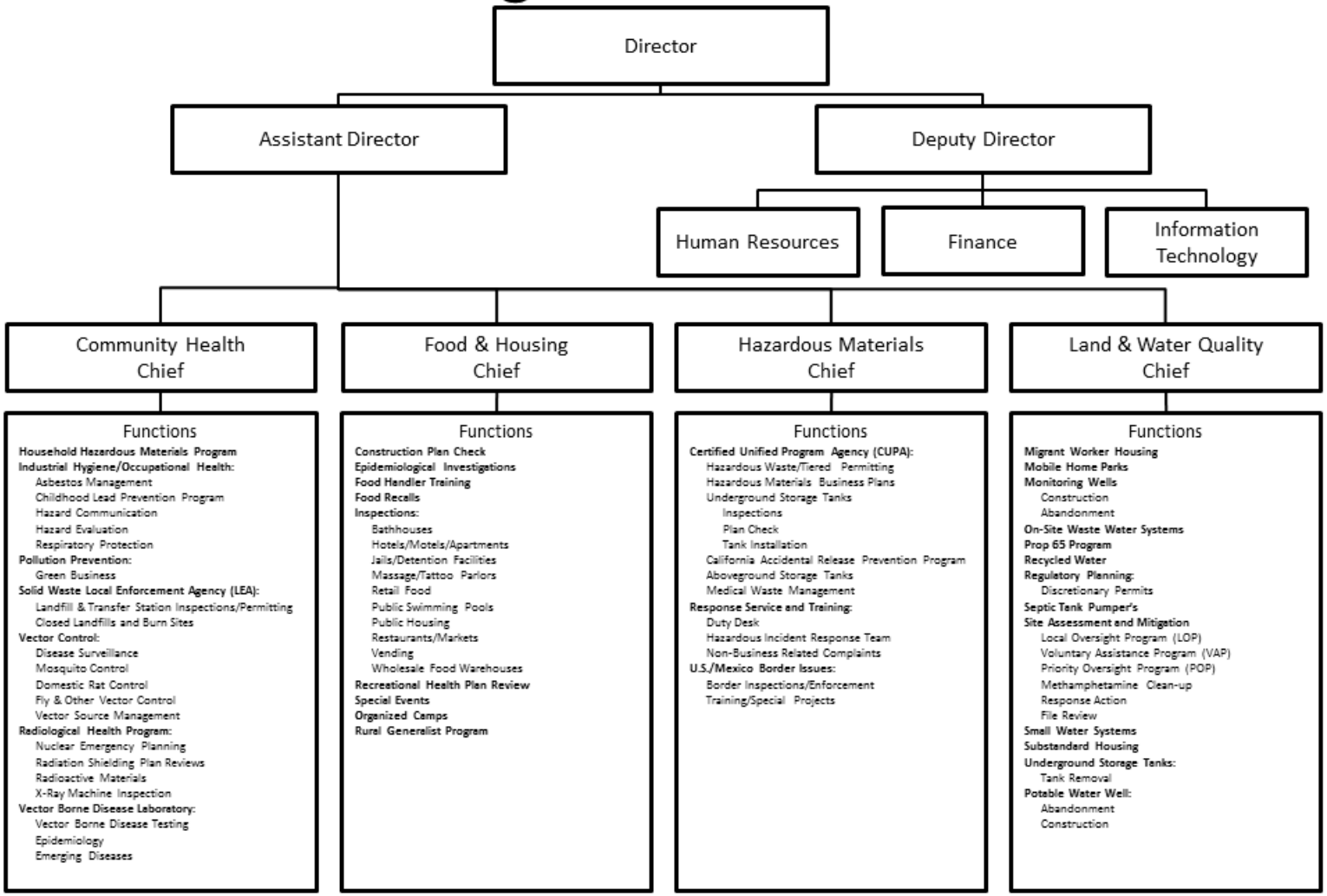
DPR Organizational Chart



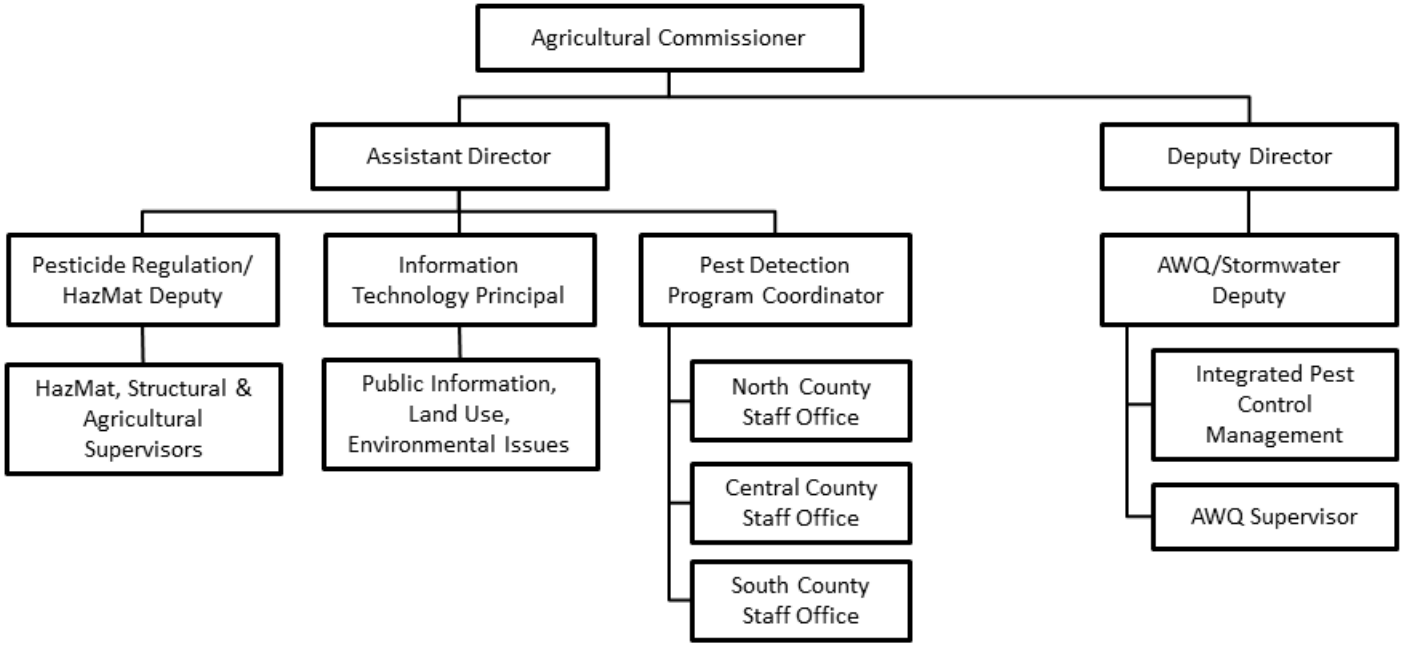
DGS Organizational Chart



DEH Organizational Chart

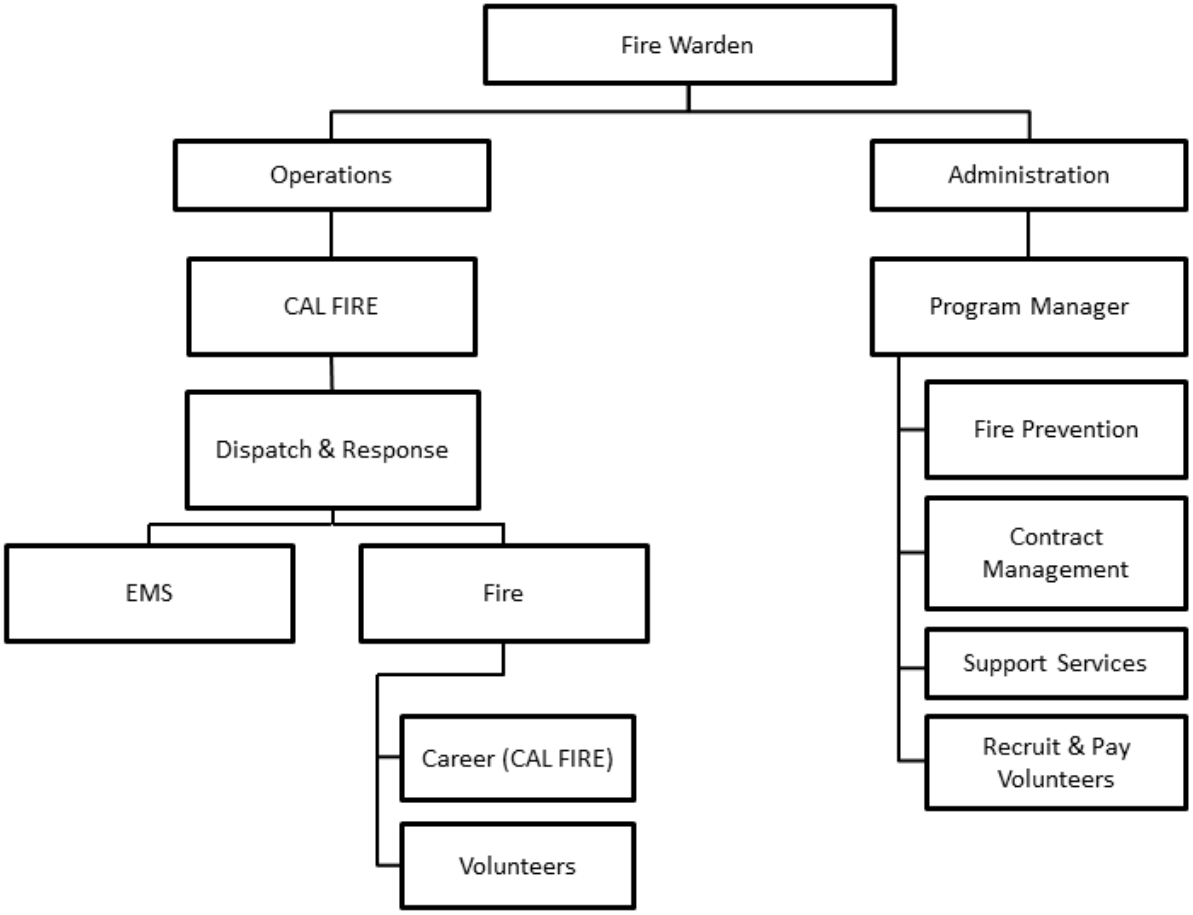


AWM Organizational Chart



Public Safety

San Diego County Fire Authority



Attachment 2.2 – County of San Diego Watershed Protection Ordinance

AN ORDINANCE TO AMEND SECTION 67.801 ET SEQ. OF THE SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES RELATING TO WATERSHED PROTECTION

The Board of Supervisors of the County of San Diego ordains as follows:

Section 1. The Board of Supervisors finds and determines that it is necessary to amend Title 6, Division 7, Chapter 8 of the San Diego County Code of Regulatory Ordinances relating to watershed protection, stormwater management and discharge control to ensure the County's ordinances enacted as part of its Jurisdictional Runoff Management Program implements California Regional Water Quality Control Board Order R9-2013-0001, NPDES No. CAS0109266, adopted by the California Regional Water Quality Control Board, San Diego Region, on May 8, 2013.

Section 2. Amend Chapter 8 (Sections 67.801 through and including 67.815) to read as follows:

SEC. 67.801. PURPOSE AND INTENT.

(a) The purpose of this Chapter is to protect water resources and to improve water quality by controlling the stormwater conveyance system and receiving waters; to cause the use of management practices by the County and its citizens that will reduce the adverse effects of non-stormwater and polluted stormwater discharges to the stormwater conveyance system and receiving waters; to secure benefits from the use of stormwater as a resource; and to ensure the County is compliant with applicable state and federal law and California Regional Water Quality Control Board Order No. R9-2013-0001, NPDES No. CAS0109266.

(b) The requirements of this Chapter are specifically intended to implement a Jurisdictional Runoff Management Program in accordance with California Regional Water Quality Control Board Order No. R9-2013-0001, NPDES No. CAS0109266. To the extent necessary to ensure compliance with this order, this Ordinance shall require the following:

(1) Prohibit non-stormwater discharges to the stormwater conveyance system and receiving waters unless otherwise authorized by this Chapter.

(2) Establish requirements to prevent and reduce pollution to water resources.

(3) Establish requirements for development project site design to prevent non-stormwater discharges to the stormwater conveyance system and reduce stormwater pollution and erosion.

(4) Establish requirements for the management of stormwater flows from development projects to prevent erosion and to protect and enhance existing water-dependent habitats.

(5) Establish standards for the use of off-site facilities, when permissible, for stormwater management to supplement on-site practices at new development sites.

(6) Establish notice procedures and standards for adjusting stormwater and non-stormwater management requirements, where necessary.

SEC. 67.802. DEFINITIONS.

Unless a different meaning is clearly intended and more protective of water quality under the circumstances, terms used in this Chapter shall have the same meaning as the same or equivalent term when defined in Attachment C of California Regional Water Quality Control Board Order No. R9-2013-0001, NPDES No. CAS0109266. For purposes of this Chapter subject to the foregoing limitation, the following definitions shall apply:

(a) "Authorized enforcement official" means the Director of Public Works, the Director of Planning and Development Services, the Director of Environmental Health, the Agricultural Commissioner, Department of Agriculture, Weights and Measures, or their designees.

(b) "Active/Passive Sediment Treatment" means using mechanical, electrical or chemical means to flocculate or coagulate suspended sediment for removal from runoff from construction sites prior to discharge.

(c) "Authorized non-stormwater discharge" means a discharge allowed to enter the stormwater conveyance system or receiving waters in accordance with a permit under the National Pollutant Discharge Elimination System or as specifically authorized by this Chapter.

(d) "Best management practices" (BMPs) shall have the same meaning as defined in the NPDES Order. Best management practices may include any type of pollution prevention and pollution control measure that achieves compliance with this Chapter.

(e) "Biofiltration" means practices that use vegetation and amended soils to detain and treat runoff from impervious areas. Treatment is through filtration, infiltration, adsorption, ion exchange, and biological uptake of pollutants.

(f) "BMP Design Manual" means the plan developed by the County in accordance with the NPDES Order to eliminate, reduce, or mitigate the impacts of water runoff from development projects and existing development. On acceptance by the RWQCB, the BMP Design Manual will supersede the Standard Urban Stormwater Mitigation Plan (SUSMP) developed pursuant to California Regional Water Quality Control Board Order No. R9-2007-001. Until superseded, the SUSMP shall be the BMP Design Manual.

(g) "Detention" means the temporary storage of storm run-off in a manner that controls peak discharge rates and provides some gravity settling of pollutants.

(h) "Detention facility" means a detention basin or alternative structure designed for the purpose of temporary storage of stream flow or surface run-off and gradual release of stored water at controlled rates.

(i) "Development project" means construction, rehabilitation, redevelopment, land disturbance activity, or reconstruction of any public improvement projects or private projects.

(j) "Discharge", when used as a verb, means to allow pollutants to directly or indirectly enter stormwater, or to allow stormwater or non-stormwater to directly or indirectly enter the stormwater conveyance system or receiving waters, from an activity or operations which one owns or

operates. When used as a noun, "discharge" means the pollutants, stormwater, or non-stormwater that are discharged.

(k) "Discharger" means any person or entity engaged in activities or operations or owning facilities, from which an allowed non-stormwater discharge to the stormwater conveyance system may or does originate or which will or may result in pollutants entering stormwater, the stormwater conveyance system, or receiving waters or the owners of real property on which such activities, operations or facilities are located, except that a local government or public authority is not a discharger as to activities conducted by others in public rights-of-way.

(l) "Environmentally sensitive area" or "ESA" means impaired water bodies, as defined by the federal Clean Water Act, Section 303(d), areas designated as Areas of Special Biological Significance or with the RARE beneficial use by the SWRCB in the Water Quality Control Plan for the San Diego Basin (1994 and amendments) and areas designated as preserves for species-protection purposes by the State of California or a local government.

(m) "Feasible" means capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, and technological factors as determined in the sole discretion of the County. Feasibility may be limited in this Chapter to eliminate consideration of economic, environmental and other factors as, for example, where feasibility is specifically defined as technological feasibility.

(n) "Flow-thru treatment control BMPs" mean structural, engineered facilities that are designed to remove pollutants from stormwater runoff using treatment processes that do no incorporate significant biological methods. Examples include dry extended detention basins, sand filters, media filters, and vegetated swales.

(o) "Illicit connection" means any man-made conveyance or drainage system through which non-stormwater or pollutants in water, not authorized by an NPDES permit or the NPDES Order are discharged or may be discharged to the stormwater conveyance system.

(p) "Impervious surface area" means the ground area covered or sheltered by an impervious surface, measured in plan view. For example, the "impervious surface area" for a pitched roof is equal to the ground area it shelters, rather than the surface area of the roof itself.

(q) "Infiltration BMPs" mean structural measures that capture, store, and infiltrate stormwater runoff. These BMPs are engineered to store a specified volume of water and have no design surface discharge (underdrain or outlet structure) until this volume is exceeded. Infiltration BMPs may also support evapotranspiration processes, but are characterized by having their most dominant volume losses due to infiltration. They are a type of retention BMP.

(r) "Land disturbance activity" means any activity, whether or not a stormwater quality management plan or County permit or approval is required, that moves soils or substantially alters the land such as grading, digging, cutting, scraping, stockpiling or excavating of soil; placement of fill materials; paving, pavement removal, exterior construction; substantial removal of vegetation where soils are disturbed including but not limited to removal by clearing or grubbing; clearing or road- cutting associated with geotechnical exploration and assessment, percolation testing, or any

other activity that is a condition of a permit application; or any activity which bares soil or rock or involves streambed alterations or the diversion or piping of any watercourse.

(s) "Maximum extent practicable" (MEP) shall have the same meaning as defined in the NPDES Order.

(t) "Natural drainage" means a naturally occurring drainage consisting of native soils such as a natural swale or topographic depression which gathers or conveys run-off to a permanent or intermittent watercourse or water body.

(u) "Non-Stormwater" means all discharges to and from the stormwater conveyance system that do not originate from precipitation.

(v) "NPDES Order" shall mean and refer to California Regional Water Quality Control Board, San Diego Region Order No. R9-2013-0001, NPDES No. CAS00109266, as the same may be amended, modified or replaced from time to time.

(w) "Pollutant" means any agent that may cause, potentially cause or contribute to the degradation of water quality such that a condition of pollution or contamination is created or aggravated.

(x) "Pollutant Control BMP" (PC-BMP) means any engineered system designed to remove pollutants from stormwater by simple gravity settling of particulate pollutants, filtration, biological uptake, media absorption or any other physical, biological, or chemical process. They are also known as treatment control BMPs.

(y) "Pollution prevention" means the practices and processes that reduce or eliminate the generation of pollutants such as the use of smaller quantities of toxic materials or substitution of less toxic materials; changes to production processes to reduce waste; decreases in waste water flows; recycling of wastes as part of the production process; segregation of wastes, and treatment of wastes on site to decrease volume or toxicity.

(z) "Priority Development Projects" (PDPs) are new development and redevelopment projects that are subject to general, source control site design, pollutant control, and hydromodification management BMP requirements, and that must demonstrate compliance through a stormwater quality management plan to be approved by the County.

(aa) "Public improvement projects" means any project for the erection, construction, alteration, repair or improvement of any public structure, building, road, or other public improvement of any kind.

(bb) "Rainy season" means from October 1 through April 30.

(cc) "Receiving waters" shall mean waters of the United States.

(dd) "Redevelopment" means creation, addition, or replacement of impervious surface on an already developed site. Examples include the expansion of building footprints, road widening, the addition or replacement of a structure, and creation or addition of impervious surfaces. Replacement

of existing impervious surfaces includes any activity that is not part of a routine maintenance activity where impervious material(s) are removed exposing underlying soil during construction. Redevelopment does not include trenching and resurfacing associated with utility work, resurfacing existing roadways, new sidewalk construction, pedestrian ramps, or bike lane on existing roads; and routine replacement of damaged pavement, such as pothole repair.

(ee) "Residential discharger" means the occupant, owner, manager, caretaker, or owner's association that owns, occupies or has responsibility for a discharge from a single-family dwelling, a multiple-family dwelling, mobile home park, condominium complex, board-and-care house, or other housing structure or portion of a residential development from which the discharge originated.

(ff) "Regional Water Quality Control Board" or "RWQCB" means the California Regional Water Quality Control Board for the San Diego Region.

(gg) "Source control BMP" means land use or site planning practices, or structural or nonstructural measures that aim to prevent runoff pollution by reducing the potential for contamination at the source of pollution. Source control BMPs minimize the contact between pollutants and runoff.

(hh) "Stormwater conveyance system" means private and public drainage facilities other than sanitary sewers within the unincorporated area of San Diego County by which water run-off may be conveyed to receiving waters, and includes but is not limited to roads, streets, constructed channels, aqueducts, storm drains, pipes, street gutters, inlets to storm drains or pipes, or catch basins.

(ii) "Stormwater Quality Management Plan" means a plan, submitted on a County form or in a County approved format with an application for a County permit or other County approval, identifying the measures that will be used for stormwater and non-stormwater management for a development project. There are two types of SWQMPs: a Standard SWQMP and a PDP SWQMP. A PDP SWQMP is required for all Priority Development Projects west of the Pacific/Salton Divide. Standard SWQMPs are required for all development projects east of the Pacific/Salton Divide and for all projects west of the Pacific/Salton Divide that are not Priority Development Projects.

(jj) "Stormwater pollution prevention plan" (SWPPP) means an approved site-specific plan that (1) identifies and evaluates sources of pollutants associated with activities that may affect the quality of stormwater discharges, (2) eliminates non-stormwater discharges, and (3) identifies and implements site-specific BMPs to reduce or to prevent pollutants in stormwater or retain non-stormwater discharges.

(kk) "Structural BMPs" are a subset of BMPs which detain, retain, filter, remove, or prevent the release of pollutants to surface waters from development projects in perpetuity, after construction of a project is completed. These BMPs can satisfy the requirements for Pollutant Control BMPs and Hydromodification BMP requirements for Priority Development Projects.

(ll) "SUSMP" or standard urban stormwater mitigation plan for land development projects and public improvement projects means the SUSMP adopted by the County Board of Supervisors on November 13, 2002 pursuant to California Regional Water Quality Control Board Order No. 2001-01, as it may thereafter be revised by the Director, Department of Public Works. The County BMP Design Manual will supersede the SUSMP pursuant to the NPDES Order.

(mm) "Treatment control BMPs" are also known as a Pollutant Control BMPs (PC-BMPs).

(nn) "Tributary to an impaired water body" means any facility or activity that is a tributary to an impaired water body because urban run-off from that facility or activity enters (1) the stormwater conveyance system at a place and in a manner that will carry pollutants for which that water body is impaired to the impaired water body; (2) a flowing stream that will carry pollutants for which that water body is impaired to the impaired water body; or (3) an ephemeral stream that reaches the impaired water body during storm events and that will carry pollutants for which that water body is impaired during such storm events.

(oo) "Water quality standards" mean those regionally determined beneficial uses and water quality objectives in applicable water quality control and basin plans, together with anti-degradation policies that serve as water quality standards under the Clean Water Act.

(pp) "Watershed Management Areas" mean those areas identified in Table B-1 of the NPDES Order where the County is identified as a responsible Copermittee.

(qq) "Watershed Management Area Analysis" means the analysis completed pursuant to Section II.B.3.b.(4) of the NPDES Order.

(rr) "Water Quality Improvement Plans" mean the plans developed by the County in accordance with Section II.B. of the NPDES Order for the Watershed Management Areas.

SEC. 67.803. GENERAL PROVISIONS.

(a) Interpretation of this Chapter shall be consistent with the provisions of state and federal clean water laws and the NPDES Order. The requirements of this Chapter are not intended to interfere with, abrogate or annul any other ordinance, rule, regulation, statute, or terms of the NPDES Order that apply to the operation of the stormwater conveyance system. The requirements of this Chapter are minimum requirements, and where any provision of this Chapter imposes restrictions different from those imposed by any other ordinance (e.g., such as the County Subdivision Ordinance, Title 8, Division 1 of the San Diego County Code of Regulatory Ordinances, the County Grading Ordinance, Title 8, Division 7, Chapter 4, of the San Diego County Code of Regulatory Ordinances, or Part 3, commencing with Section 3000 of the San Diego County Zoning Ordinance regulating animal care), rule, regulation, statute, Stormwater Quality Management Plan, the BMP Design Manual, or the NPDES Order, whichever provisions are more restrictive or impose higher protective standards for human health or the environment shall take precedence.

(b) Except as set forth in Section 67.805, this Chapter shall apply to any development project in the County, whether or not a permit or other approval is required.

(c) If the authorized enforcement official identifies a discharge or category of facility or activity that is a source of a non-stormwater discharge in excess of what is allowed by this Chapter or of pollutants in stormwater or non-stormwater to the stormwater conveyance system or receiving waters, the discharger may be ordered by the authorized enforcement official to install, implement and maintain additional source control, structural or other BMPs to prevent or reduce the pollutant discharges to the MEP and non-stormwater discharges to the extent necessary to bring the discharge

into compliance with this Chapter. Any such order shall specify a reasonable date by which those BMPs must be put in place. Failure to install, implement, or maintain additional BMPs as required by such order, is a violation of this Chapter.

(d) Areas within which facilities and sources will be presumed to be tributary to an impaired water body are identified on the most current listing in the Clean Water Act, Section 303(d). The presumption that a discharge is tributary to an impaired water body can be overcome for a particular discharge based on specific facts and analysis presented by a discharger. In making a site-specific determination as to whether a discharge is tributary to an impaired water body, consideration may be given to the amount of water and pollutant discharged; to whether the pollutant for which the water body is impaired is a suspended or dissolved pollutant; to whether the pollutant is volatile or degradable; and to whether the pollutant is substantially removed during transport by any natural or man-made features (sinks, infiltration areas, ponds or impoundments, vegetated swales or wetlands, media filtration devices, etc.) located between the site and the impaired water body. Any such analysis must consider common mechanisms for pollutant mobilization, remobilization, and transport over time.

(e) An authorized enforcement official may modify any requirement imposed by this Chapter to allow the on-site collection and use of stormwater, or the collection of stormwater for delivery to and use at County-designated sites, provided the modified requirements are enforceable, consistent with the NPDES Order and provide equivalent environmental protection.

SEC. 67.804. DISCHARGE PROHIBITIONS.

(a) It is unlawful for any person to discharge or cause the discharge of pollutants or non-stormwater directly or indirectly into the stormwater conveyance system or receiving waters, except as set forth in Section 67.805 or as otherwise authorized by law.

(b) It is unlawful for any person to construct, use or maintain a connection to the stormwater conveyance system that discharges any matter other than stormwater, except as set forth in Section 67.805(a). This Section expressly supersedes any previously issued permit or authorization granted by the County and expressly prohibits any previously legal non-conforming connection.

(c) It is unlawful to throw, deposit, leave, abandon, maintain, or keep materials or wastes on public or private lands in a manner and place where they may result in a discharge.

(d) Stormwater discharges from the site may not contain sediments in amounts in excess of the sediments that would have been discharged from the site in an undisturbed condition.

SEC. 67.805. EXEMPTIONS FROM DISCHARGE PROHIBITIONS.

The following are exempt from the prohibitions in Section 67.804:

(a) Any discharge or connection regulated under a valid facility-specific NPDES permit or non-stormwater discharges exempted pursuant to Section II.E.2. of the NPDES Order, provided that the discharge or connection is in compliance with all relevant permit conditions and the requirements of the NPDES Order to the satisfaction of the County or Regional Water Quality Control Board.

(b) Discharges of non-stormwater to the stormwater conveyance system covered by NPDES Permit No. CAG919001 (Order No. R9-2007-0034, or subsequent order) for discharges to San Diego Bay, or NPDES Permit No. CAG919002 (Order No. R9-2008-0002, or subsequent order) for discharges to surface waters other than San Diego Bay meeting the requirements enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Uncontaminated pumped ground water;

(2) Discharges from foundation drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year;

(3) Water from crawl space pumps; and

(4) Water from footing drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year.

(c) Non-stormwater discharges from water line flushing and water main breaks to the stormwater conveyance system are allowed provided the discharge is covered by NPDES Permit No. CAG679001 (Order No. R9-2010-003, or subsequent order) unless determined by the County or RWQCB to be a source of pollutants to receiving waters. This exemption does not cover discharges from recycled or reclaimed water lines unless covered by a separate NPDES permit.

(d) Discharges of non-stormwater to the stormwater conveyance system meeting the requirements enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Diverted stream flows;

(2) Rising ground waters;

(3) Uncontaminated ground water infiltration to stormwater conveyance system;

(4) Springs;

(5) Flows from riparian habitats and wetlands;

(6) Discharges from potable water sources;

(7) Discharges from foundation drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances; and

(8) Discharges from footing drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances.

(e) Discharges of non-stormwater to the stormwater conveyance system as enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Air conditioning condensation

(A) Whenever feasible, the discharge of air conditioning condensation shall be directed to landscaped areas, pervious surfaces, or to the sanitary sewer.

(2) Individual residential vehicle washing at a residence in accordance with Section 67.807(b)

(A) Whenever feasible, the discharge of wash water shall be directed to landscaped areas or other pervious surfaces; and

(B) The amount of water, washing detergent and other vehicle wash products used shall be the minimum amount necessary to completely wash the vehicle. This requirement shall be deemed violated if visible soap scum, oil sheen, or other by-products of residential vehicle washing reach the gutter or other drainage conveyance device in front of the residence where the vehicle is being washed.

(3) Dechlorinated swimming pool discharges

(A) Residual chlorine from swimming pools and fountains must be eliminated prior to discharging to the stormwater conveyance system or receiving waters;

(B) Filter backwash, acid-wash water (pH <7.2 and > 8.0), and algaecide-treated pool water shall be prohibited from discharge to the stormwater conveyance system or receiving water; and

(C) The discharge of saline swimming pool water must be directed to the sanitary sewer, landscaped areas, or other pervious surfaces that can accommodate the volume of water, unless the saline swimming pool water can be discharged via a pipe or concrete channel directly to a naturally saline water body (e.g. Pacific Ocean).

(f) Firefighting discharges to the stormwater conveyance system are only prohibited if determined to be a significant source of pollutants to receiving waters by the County or RWQCB. Firefighting discharges to the stormwater conveyance system not identified as a significant source of pollutants to receiving waters are allowed provided they meet the following requirements:

(1) Non-emergency firefighting discharges

(A) Building fire suppression system maintenance discharges (e.g. sprinkler line flushing) to the stormwater conveyance system are prohibited unless BMPs are implemented to prevent pollutants associated with such discharges from entering the stormwater conveyance system.

(B) Non-emergency firefighting discharges (i.e., discharges from controlled or practice blazes, firefighting training, and maintenance activities not associated with building fire suppression systems) must be addressed by a program developed and implemented by the County, to reduce or eliminate pollutants in such discharges from entering the stormwater conveyance system.

(2) Emergency firefighting discharges

(A) The development and implementation of BMPs to reduce or eliminate pollutants in emergency firefighting discharges to the stormwater conveyance system and receiving waters is encouraged, but not required. Notwithstanding the foregoing, the County may require the use of BMPs for firefighting discharges when determined by the authorized enforcement official to be necessary to eliminate or reduce the discharge of pollutants to the stormwater conveyance system or receiving waters. As applicable, required BMPs may include those described in Sections 67.806 and 67.808. Any BMPs that interfere with immediate emergency response operations or impact public health and safety need not be used.

(g) In the event that any non-stormwater discharge identified in Section 67.805 (a) through (f) is determined to be a source of pollutants to receiving waters, it may only be allowed to continue within an applicable Watershed Management Area if controls set forth by the County in the corresponding Water Quality Improvement Plan are implemented to the satisfaction of the RWQCB.

(h) Discharges exempted from compliance by operation or law; any permits, orders or decisions issued by the RWQCB; and any waivers, or renewals of waivers issued by the RWQCB such as those covered by Regional Board Order No. R9-2014-0041, adopted June 26, 2014.

SEC. 67.806. GENERAL BEST MANAGEMENT PRACTICE REQUIREMENTS.

The following requirements apply to all dischargers:

(a) All dischargers must perform and maintain the following BMPs:

(1) Prior to the rainy season, remove or secure any significant accumulations of eroded soils from slopes previously disturbed by landscaping, clearing or grading, if those eroded soils could otherwise enter and impact the stormwater conveyance system or receiving waters during the rainy season.

(2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous.

(3) Eliminate illicit connections.

(4) Protect from erosion those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter.

(5) Store all materials and wastes with the potential to pollute stormwater in a manner that prevents contact with rainfall, run-on, run-off and wind dispersal.

(6) Locate, configure, and manage stockpiles of soil, green waste and compost to prevent the release of materials to the stormwater conveyance system or receiving waters.

(7) Use all materials with the potential to pollute run-off, such as outdoor cleaning and maintenance products, fertilizers, pesticides and herbicides in accordance with label directions. No such product may be disposed of or rinsed into receiving waters or the stormwater conveyance system.

(8) Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup pollutants, unless wet cleanup methods are otherwise allowed in this Chapter.

(b) BMPs shall be maintained to function as intended and designed. BMPs which fail shall be repaired or replaced as soon as it is safe or practicable. If BMPs fail notwithstanding their intent or design, the BMPs shall be modified or upgraded to prevent any further failure in the same or similar circumstances.

(c) Notwithstanding the provisions of this Chapter, an authorized enforcement official may require a discharger to prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) for approval by the authorized enforcement official as follows:

(1) If the discharger fails to comply with any applicable requirement of this Chapter after one or more written notifications or other enforcement actions have been taken because BMPs have been determined to be inadequate or are not being adequately maintained.

(2) The activity at issue is considered a significant source of pollutants or a source of a non-stormwater discharge in excess of what is allowed by this Chapter to the stormwater conveyance system or receiving waters. Any discharger required to submit and to obtain approval of a SWPPP shall install, implement and maintain the BMPs specified in the approved SWPPP.

(3) The SWPPP shall identify the BMPs or corrective measures that will be used by the discharger to prevent or control pollution of stormwater to the MEP and bring the non-stormwater discharge into conformance with the requirements of this Chapter. If a facility discharges non-stormwater to ground water, the facility shall obtain an RWQCB permit as required by the State Water Code, and shall describe the requirements of that permit in the SWPPP.

(d) Notification of Spills, Releases and Illegal Discharges.

(1) Spills, releases, or discharges of pollutants or non-stormwater in excess of what is allowed by this Chapter to receiving waters or to the stormwater conveyance system shall be reported by the discharger as required by all applicable state and federal laws.

(2) Any such spills, releases or discharges with the potential to endanger health, safety or the environment shall be reported to the Director, Department of Public Works, within 24

hours after discovery of the spill, release or discharge. Spills that have been completely contained and cleaned up on-site are not considered significant unless they pose a threat to human health or safety.

(3) If safe to do so, necessary actions shall be taken to contain and minimize the spill, release or discharge of any pollutants to the MEP and bring any allowed discharge of non-stormwater into compliance with this Chapter.

(e) Sampling, Testing, Monitoring, and Reporting.

(1) Dischargers shall perform the sampling, testing, monitoring and reporting required by this Chapter.

(2) An authorized enforcement official may order a discharger to conduct testing or monitoring and to report the results to the County if one or more of the following occurs:

(A) The authorized enforcement official determines that testing or monitoring is needed to determine whether BMPs are effectively preventing or reducing pollution in stormwater to the MEP or necessary to allow for the continued discharge of non-stormwater under the limited circumstances permitted by this Chapter.

(B) Testing or monitoring is needed to determine whether the facility is a significant source of pollutants or of otherwise prohibited non-stormwater discharges to receiving waters or the stormwater conveyance system.

(C) The authorized enforcement official determines that testing or monitoring is needed to assess the impacts of a discharge on the public's health, safety or the environment.

(D) A discharge has not been eliminated after written notice by an authorized enforcement official.

(E) The RWQCB requires the County to provide any information related to the discharger's activities.

(3) Sampling, testing or monitoring ordered pursuant to this Section may include one or more of the following:

(A) Visual monitoring of dry weather flows, wet weather erosion, discharge points or conditions of BMPs.

(B) Visual monitoring of premises for spills or discharges.

(C) Laboratory analyses of discharges for pollutants.

(D) Background or baseline monitoring or analysis.

(E) Monitoring of receiving waters or sediments that may be affected by pollutant discharges by the discharger or by a group of dischargers including the discharger.

(4) The authorized enforcement official may direct the manner in which the results of required testing and monitoring are reported, and may determine that sampling, testing or monitoring may discontinue.

SEC. 67.807. ADDITIONAL MINIMUM BEST MANAGEMENT AND POLLUTION PREVENTION PRACTICES FOR RESIDENTIAL ACTIVITIES AND USES.

Residential dischargers shall install and maintain BMPs and implement pollution prevention practices, as follows:

(a) Motor Vehicle or Boat Repair and Maintenance.

(1) All repair and maintenance activities shall be performed under a permanent roof or other permanent cover, where feasible.

(2) All maintenance and repair activities conducted without cover or without BMPs to prevent discharges are prohibited during times of precipitation.

(3) Any release of fluids, including boat bilge water, during repair or maintenance shall be promptly contained and cleaned up. Any absorbent materials used shall be disposed of as required by law.

(4) Degreasing or pressure washing of engines and other parts is prohibited unless the liquid wastes are contained and properly disposed of as required by law.

(5) Automotive and boat materials and wastes shall be stored indoors, under cover, or in secure and watertight containers.

(b) Residential Motor Vehicle Washing.

(1) Individual motor vehicles shall be washed over porous surfaces such as lawns and gravel areas where feasible.

(2) Unused detergent solutions shall not be disposed of directly or indirectly into the stormwater conveyance system or receiving waters. Disposal to the sanitary sewer, such as a sink, toilet or floor drain or to a porous surface, where allowed by this Chapter, is required.

(3) The use of "hose off" or single use engine degreasing chemicals is prohibited, unless captured and disposed of properly.

(4) Motor vehicle washing other than individual residential motor vehicle washing is prohibited.

(5) Degreasing or pressure washing of engines and other parts is prohibited unless the liquid wastes are contained and properly disposed of as required by law.

(c) Motor Vehicle Parking.

(1) Residential dischargers shall remove excessive accumulations of oil and grease deposited by vehicles they own from parking areas, using dry clean-up methods such as absorbents, scraping, vacuuming, sweeping, mop and bucket.

(2) Residential dischargers shall move vehicles from streets when notified to allow street cleaning.

(d) Home and garden care activities and product use.

(1) Residential dischargers or their contractors shall adjust irrigation systems to avoid run-off that causes discharges to the stormwater conveyance system or receiving waters.

(2) Residential dischargers or their contractors shall clean up and properly dispose of spills from gardening chemicals, fertilizers or soils to non- porous surfaces.

(3) Lawn and garden care products shall be stored in closed, labeled containers, such as in covered areas, off the ground, or under protective tarps, and in a manner that will not lead to a discharge.

(4) Disposal of household hazardous waste directly or indirectly to the trash or to the street, gutter or storm drain is prohibited.

(e) Home care and maintenance.

(1) Cleaning of painting equipment in or over streets, sidewalks, gutters, or yard drains is prohibited.

(2) Action shall be taken to minimize and contain all spills of hazardous materials, if it is safe to do so.

(3) Household hazardous materials shall be stored indoors or under cover, and in closed and labeled containers.

(f) Manure and pet waste management.

(1) Where practicable, all areas where livestock, horses or other large animals are confined, shall be bermed or curbed to contain animal waste where it is produced or managed to prevent discharge of waste or waste byproducts to the stormwater conveyance system or receiving waters. If compliance is not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.

(2) Wastes from small animals (e.g., dogs and cats) shall be cleaned up and properly disposed of at least weekly.

(3) Areas used for storing or composting manure shall be located, configured or managed to prevent run-off to stormwater conveyance system or receiving waters.

(g) Private sewer laterals and on-site wastewater systems.

(1) Private sewer laterals shall be cleaned, maintained and when necessary replaced to prevent seepage and spills. On-site wastewater systems shall be pumped, maintained and when necessary modified or replaced to prevent spills.

(2) Spills from private sewer laterals and on-site wastewater systems shall be contained and cleaned-up in a manner that minimizes any release of pollutants to the stormwater conveyance system or receiving waters.

(3) Any release from a private sewer lateral that enters the stormwater conveyance system or receiving waters shall be immediately reported to the County.

(4) Failed on-site wastewater systems shall be repaired or replaced.

SEC. 67.808. ADDITIONAL MINIMUM BEST MANAGEMENT AND POLLUTION PREVENTION PRACTICES FOR INDUSTRIAL, COMMERCIAL AND MUNICIPAL FACILITIES AND ACTIVITIES.

The following requirements apply to all industrial, commercial and municipal facilities and activities:

(a) The owner or operator shall install and maintain BMPs and implement a pollution prevention program appropriate to the activity, as specified in the following areas and manner:

(1) Stormwater BMP training

(A) Provide stormwater BMP training at least annually to all operators, employees, and workers with responsibility for activities that could result in unauthorized discharges of pollution or non-stormwater.

(B) Training shall address the pollution and non-stormwater generating activities conducted at the facility, the pollutants or risk of non-stormwater discharge associated with those activities, and the BMPs or pollution prevention practices used to minimize or eliminate the discharge of non-stormwater and pollutants.

(C) The following BMP categories shall be included in training ,where applicable:

i. Preventive maintenance.

ii. Good housekeeping.

iii. Proper waste disposal.

iv. Non-stormwater disposal alternatives.

v. Equipment/vehicle maintenance and repair.

vi. Spill response, containment, and recovery.

vii. Recycling, re-use, and volume reduction in materials, water consumption and wastes.

viii. BMP maintenance.

(2) Where required to implement a SWPPP, retain on site a copy of a current, complete, site-specific SWPPP and make it available for review by the authorized enforcement official, upon request.

(3) Review the operations and procedures relating to protecting the stormwater conveyance system and receiving waters from pollutants and prohibited, non-stormwater discharges at least annually.

(4) Implement pollution prevention methods or those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business to eliminate or reduce pollutants in run-off to the MEP and eliminate the discharge of non-stormwater in an amount or manner beyond what is allowed by this Chapter.

(5) Housekeeping.

(A) The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed, transported and disposed of in accordance with this Chapter.

(B) Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters.

(6) Liquid waste management

(A) Wet clean-up or cleaning methods such as hosing, steaming or pressure washing are prohibited except where adequate precautions have been taken to prevent the discharge of wash water and pollutants into the stormwater conveyance system or receiving waters.

(B) Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited.

(C) Rinse water shall be confined to a designated area such as a sanitary sewer, dead-end sump, process treatment system, or hole where water percolates or evaporates and solids are removed for collection and disposal. Rinse water and solids shall be re-used, recycled, or disposed of in accordance with this Chapter.

(D) Wash water shall be directed to an approved sanitary sewer or landscaped locations.

(E) Wash racks.

i. Wash rack areas shall have perimeter control and be properly sloped to a grated floor drain.

ii. Wash rack areas shall drain to the sanitary sewer or to a holding tank, except that wash racks for animals may drain to the ground in accordance with this Chapter.

(F) Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited.

(G) If provided, pump-out services for boats, portable toilets, or other holding tanks shall be conducted in a manner that prevents the release of sewage to the stormwater conveyance system or receiving waters.

(H) Wastewater shall be disposed to the sanitary sewer at the job site or to a holding tank. Disposal of wastewater contained in holding tanks shall be disposed of to the sanitary sewer at the business's company headquarters or at an approved facility.

(I) Discharging backwash wastewater to the stormwater conveyance system or receiving waters is prohibited. Backwash wastewater may be disposed to the sanitary sewer; to a holding tank or settling pond; or where allowed by this Chapter, by infiltration to the soil.

(J) Under the limited circumstances allowed by this Chapter, pool and spa water intended for discharge to the stormwater conveyance system shall be dechlorinated or debrominated prior to discharge.

(K) Under the limited circumstances allowed by this Chapter, pool and spa water discharged after acid washing shall be neutralized to a pH of 7.2 - 8.0.

(L) If rinse water from the cleaning of portable sanitary toilet closets cannot be properly disposed of to the sanitary sewer at a job site, it shall be contained prior to disposal at the service facility or other approved facility.

(M) Wash and rinse water from building and pavement washing that cannot be properly disposed of at the job site shall be collected and contained for recycling, reuse, or proper disposal.

(N) Where irrigation tail-water return ponds are used, the ponds shall be designed with the appropriate vertical separation between the base of the pond and the seasonal high groundwater mark and must be lined or managed to prevent the movement of water-soluble chemicals to the groundwater and to stormwater flows.

(7) Materials and waste management.

(A) Spill prevention and response.

i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible.

ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use.

iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.

(B) Hazardous materials and hazardous wastes.

i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations.

ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method.

iii. Paints, coatings, thinners, and other materials shall be disposed of in accordance with this Chapter.

iv. Secondary containment of hazardous materials or waste shall be provided around storage areas if the authorized enforcement official has determined that a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters.

v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season.

vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations.

vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall.

viii. Pesticide use shall be reduced whenever practical in areas where recurring applications of pesticides are performed.

(C) Solid, non-hazardous materials and waste.

i. Trash storage and disposal areas shall be kept clean and free of debris.

ii. Dumpsters, grease bins, grease traps, and interceptors, and other containers shall be maintained in a clean and leak -proof condition and shall be kept securely closed when not in use.

iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible.

iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry clean-up methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this Chapter.

v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge of manure to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.

vi. Wastes from small animals (e.g., dogs and cats) shall be cleaned up and properly disposed of at least weekly.

(D) Loading and unloading.

i. Storm drain inlets located within or down-gradient of loading or unloading areas shall be covered or otherwise protected during loading and unloading activities to prevent the entry of pollutants and prohibited non-stormwater discharges into the stormwater conveyance system or receiving waters.

ii. Equipment and supplies stored in loading and unloading areas shall be properly maintained to prevent leaks and spills to the stormwater conveyance system or receiving waters, and to prevent their contact with rainfall and run-on.

(E) Storage.

i. Outdoor storage areas of materials and equipment shall be configured using berms, dikes, or other diversion structures or other measures that elevate stored materials and equipment from site surfaces.

ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with precipitation or surface waters.

iii. Storage of cement and masonry materials shall be above ground and covered.

iv. Placement of stock piles within any drainage system is prohibited.

v. Stockpiles and bulk materials, such as soil, fertilizer, and potting mixture shall be covered during windy and rainy conditions where practicable. Prior to the onset of predicted rain, stockpiles shall be covered and bermed to prevent contact with stormwater.

(8) Vehicles and equipment.

(A) All vehicles and equipment shall be properly maintained and inspected to ensure their proper functioning to prevent discharges.

(B) Vehicles and equipment shall not be washed in areas where wash water or rinse water will drain to the stormwater conveyance system or receiving waters.

(C) Infiltration of wash or rinse water to pervious surfaces is allowed with a minimum of 10 feet separation between the groundwater and the pervious surface, except that wash or rinse water generated from cleaning engines, mechanical parts, or heavy equipment shall not infiltrate a pervious surface.

(D) The use of hose-off or single-use engine degreasing chemicals is prohibited, unless captured and properly disposed.

(E) Maintenance and repair equipment shall be kept clean to avoid the build-up of grease and oil.

(F) Fluids shall be drained from any retired vehicles or equipment stored on site.

(G) Vehicle and equipment maintenance and repair work such as body work shall be conducted indoors or under cover, where practicable. If work cannot be conducted indoors or under cover, other BMPs shall be implemented to prevent the discharge of pollutants into the stormwater conveyance system or receiving waters. Discharge of non-stormwater to the stormwater conveyance system is prohibited.

(H) Major repair and maintenance work on boats over or in the water is prohibited. Touch-up painting, tune ups, or other similar activities are not considered major repair or maintenance work, but may only be conducted over or in the water if adequate precautions have been taken to prevent the entry of pollutants into the water.

(9) Outdoor areas - housekeeping and grounds keeping practices.

(A) Storm drain inlets located within or down gradient of the activity shall be covered or otherwise protected from the entry of pollutants and non-stormwater during the work activity.

(B) Landscaping, grounds keeping and agriculture unless exempt pursuant to Section 67.805(h).

i. Exposed slopes shall be stabilized as soon as possible.

ii. Paved surfaces such as sidewalks shall be cleaned regularly using dry clean-up methods such as sweeping or vacuuming. Hosing is permissible only after surfaces have previously been cleaned using dry methods, and only if precautions have been taken to prevent the discharge of run-off to the storm drain.

iii. Business, industrial and municipal facilities owners and their contractors shall clean-up and properly dispose of spills from any pesticides, herbicides and fertilizers to non-porous surfaces. These materials shall be stored in closed, labeled containers, such as in covered areas, off the ground, or under protective tarps, and in a manner that will not lead to a discharge. Disposal of pesticides, herbicides and fertilizers to the stormwater conveyance system and receiving waters is prohibited.

(C) Parking lots and vehicle storage areas.

i. Wet clean-up methods may only be used where adequate precautions have been taken to prevent the entry of wash water and pollutants into the stormwater conveyance system or receiving waters.

ii. Vehicle maintenance and repair operations with the potential to release non-stormwater or pollutants are prohibited at commercial parking lots and storage facilities.

(D) Rooftops.

i. Materials which may contaminate stormwater shall not be stored on rooftops unless adequate precautions have been taken to prevent their contact with stormwater.

ii. Equipment such as emergency generators, HVAC systems and other similar items located on rooftops shall be inspected and preventive maintenance conducted to prevent leaks and spills.

iii. Substances such as bird droppings, grease, leaves, that have accumulated on rooftops shall be removed, as practicable, to prevent or reduce the discharge of contaminants directly or indirectly to the stormwater conveyance system or receiving waters.

iv. Where feasible, roof downspouts shall be routed away from work areas and toward pervious areas such as lawns, except where required under Sections 67.810 and 67.811.

(b) Other requirements.

(1) Any commercial, industrial, or municipal facility or activity operating under the statewide Industrial General Permit shall provide the following documents for on-site review by the authorized enforcement official as applicable, and if requested:

(A) The Notice of Intent letter or a Waste Discharge Identification Number issued by the SWRCB.

(B) A SWPPP satisfying the requirements of the Industrial General Permit.

(C) A monitoring program satisfying the requirements of the Industrial General Permit.

(D) Training records satisfying the requirements of the Industrial General Permit.

(2) Any discharger whose facilities or activities are not in compliance with this Chapter, or any discharger or category of dischargers determined to pose a significant threat to water quality, may be required to implement additional controls as determined by the authorized enforcement official. The authorized enforcement official may require dischargers to maintain, on site, written documentation of these additional requirements, and to provide such documentation upon request.

SEC. 67.809. ADDITIONAL REQUIREMENTS FOR CONSTRUCTION PROJECTS.

(a) All owners of land on which a construction project is performed and all persons performing the work, including without limitation any construction projects involving land disturbance activities, except that a local government or public authority is not a discharger for purposes of land disturbance activities conducted by others in connection with a private construction project in public rights-of-way, shall ensure that the following additional types of BMPs shall be installed, implemented, and maintained year round:

(1) Project planning;

(2) Good site management "Housekeeping", including waste management;

(3) Non-stormwater management;

(4) Erosion control;

(5) Sediment control;

(6) Run-on and run-off control; and

(7) Active/passive sediment treatment systems, where applicable.

(8) BMPs must be site specific, seasonably appropriate, and construction plan appropriate. Dry season BMPs must plan for and address unusual rain events that may occur during the dry season (May 1 through September 30th).

(b) Prior to obtaining any permit that allows for commencement of a construction project that includes land disturbance activities that can potentially generate pollutants in stormwater runoff, the owner of the property on which the land disturbance activities are performed or the person

performing the work shall submit, to the satisfaction of the Director of Public Works or the authorized enforcement official, the following:

(1) A plan describing the pollution control strategies to be implemented on-site that complies with local ordinances and the NPDES Order. The plan submittal shall include the following information:

(A) The name, address, phone number and email for the owner and person performing the work;

(B) Basic site information including the address, hydrologic subarea, Waste Discharge Identification Number (WDID), if applicable, and approximate area of disturbance;

(C) Whether the site is considered a high threat to water quality pursuant to the NPDES Order;

(D) The project's estimated start and completion dates; and

(E) Identification of seasonally appropriate and effective BMPs and management measures as described in Section 67.809(a).

(c) BMPs shall be inspected routinely by the person performing the land disturbance activity or construction project and the property owner to ensure the BMPs are maintained and continue to function as intended. In addition, BMPs shall be inspected and maintenance, repair or replacement performed following every rain event to ensure the BMPs continue to function as intended.

SEC. 67.810. ADDITIONAL PLANNING, DESIGN AND POST-CONSTRUCTION REQUIREMENTS FOR DEVELOPMENT PROJECTS (PRIOR TO EFFECTIVE DATE OF BMP DESIGN MANUAL)

The following requirements shall remain in effect only until the effective date of the County BMP Design Manual. At that time, the requirements of Section 67.811 shall apply. The actual effective date of the BMP Design Manual will be on its acceptance by the RWQCB, but will not be sooner than December 24, 2015.

(a) County Permits and Approvals.

(1) An application for any of the following discretionary permits or approvals shall be accompanied by plans demonstrating how the development project will comply with the requirements of this Chapter. The permit or approval shall not be granted unless the decision maker determines that the development project complies with the applicable requirements of this Chapter.

(A) Administrative permit for clearing, including modification, minor deviation, or extension.

(B) Administrative permit for small recycling collection facility, including modification, minor deviation, or extension.

(C) Certificate of compliance.

(D) Final map modification.

(E) Grading plans or grading permits, if approval is discretionary, including Modification or Renewal.

(F) Improvement Plan, including Modification.

(G) Landscape Plan.

(H) Major Use Permit, including modification, minor deviation, or extension.

(I) Minor Use Permit, including modification, minor deviation, or extension.

(J) Parcel map modification.

(K) Reclamation plan.

(L) Site plan, including modification, minor deviation, or extension.

(M) Solid waste facility permit.

(N) Tentative map, including resolution amendment, time extension, expired tentative map and revised tentative map.

(O) Tentative parcel map, including resolution amendment, time extension, expired tentative parcel map and revised tentative parcel map.

(P) Watercourse permit.

(Q) Farm Employee Housing

(R) Guest Living Quarters

(S) Horse Stable

(T) Host Home

(U) MET Facilities

(V) Mobile Financial Business Office

(W) Oversized Structures

(X) Photovoltaic Solar Energy System Offsite Use

(Y) Recycling Collection Facility – Small

(Z) Second Dwelling Unit/Garage

(AA) Small Winery

(BB) Wind Turbine – Small

(2) An application for any of the following ministerial permits or approvals shall be accompanied by plans demonstrating how the development project will comply with the requirements of this Chapter. The permit or approval shall not be granted unless the decision-maker determines that the development project complies with the requirements of this Chapter.

(A) Building permit.

(B) Construction right of way permit.

(C) Encroachment permit.

(D) Excavation permit.

(E) Grading plans or grading permits, if approval is ministerial, including modification or renewal.

(F) On-site wastewater system permit.

(G) Underground tank permit.

(H) Well permit.

(b) A priority development project shall not receive final approval until the developer has installed and implemented the required BMPs in accordance with the requirements of this Chapter.

(c) All applications to the County for a permit or approval associated with a development project must be accompanied by a stormwater management plan on a form or in a format specified by the County. The plan shall describe the manner in which the BMPs required by this Chapter will be implemented.

(d) All development projects with the potential to add pollutants to stormwater or to affect the flow rate or velocity of stormwater run-off after construction is completed shall employ the following post-construction BMPs, where feasible, to ensure that pollutants and run-off from the development will be reduced to the MEP and will not significantly degrade receiving water quality:

(1) Low impact development. All priority development projects shall install, implement, and maintain low impact development BMPs to maximize infiltration, provide retention, slow

run-off, minimize impervious footprint and constructed widths, and direct run-off from impervious areas into landscaping. This shall include the following, where feasible:

(A) Minimize directly connected impervious surfaces.

(B) If developed with landscaped or other pervious areas, drain a portion of impervious areas such as rooftops, parking lots, sidewalks, walkways, and patios into pervious areas prior to discharge to the stormwater conveyance system. The amount of run-off from impervious areas that drains to pervious areas shall correspond with the total capacity of the project's pervious areas to infiltrate or treat run-off, taking into consideration the pervious areas' soil conditions, slope, and other pertinent factors.

(C) If developed with landscaped or other pervious areas, properly design and construct the pervious areas to effectively receive and infiltrate or treat run-off from impervious areas, taking into consideration the pervious areas' soil conditions, slope, and other pertinent factors.

(D) If developed with low traffic areas and appropriate soil conditions, construct a portion of walkways, trails, overflow parking lots, alleys, or other low-traffic areas with permeable surfaces, such as pervious concrete, porous asphalt, unit pavers, and granular materials.

(E) Conserve natural areas, including existing trees, other vegetation, and soils, where feasible.

(F) Construct streets, sidewalks, or parking lot aisles to the minimum widths necessary, provided that public safety and a walkable environment for pedestrians are not compromised, where feasible.

(G) Minimize the impervious footprint of the project, where feasible.

(H) Minimize soil compaction, where feasible.

(I) Minimize disturbances to natural drainages, such as natural swales, or topographic depressions, where feasible.

(J) Implement buffer zones for natural water bodies, where feasible. Where buffer zones are not feasible, other equally serving methods may be implemented such as trees or access restrictions.

(2) Source control BMPs.

(A) Source control BMPs include storm drain system stenciling and posting of signs; posting of signs or other form of notification at storm drain inlets and access points to creeks and channels discouraging illegal dumping and stating the receiving water by name; properly designed outdoor material storage areas; properly designed trash storage areas; and implementation of efficient irrigation systems.

(3) Hydromodification management.

(A) Projects located in the areas west of the Pacific/Salton Divide shall follow the approach and criteria and are subject to the exemptions described in the County's Standard Urban Storm Water Mitigation Plan.

(B) Projects located in the areas east of the Pacific/Salton Divide shall follow the approach and criteria and are subject to the exemptions described in the State Water Resources Control Board NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities.

(4) Structural BMPs. All priority development projects shall install, implement and maintain the following structural BMPs:

(A) All structural BMPs shall be designed to meet the design storm criteria required under the California Regional Water Quality Control Board, San Diego Region Order No. R9-2007-0001, NPDES Permit No. CAS 108758.

(B) One or more structural treatment BMPs may be used for a single project or combination of projects. Any such shared BMPs shall be operational prior to the use of any dependent development or phase of development. The shared BMPs shall only be required to treat the dependent developments or phases of development that are in use. Interim stormwater BMPs that provide equivalent or greater treatment than is required by this Chapter may be implemented by a dependent development until each shared BMP is operational. If interim BMPs are utilized, the BMPs shall remain in use until permanent BMPs are operational.

(5) Whether or not a County permit or approval is required, and whether or not a post-construction stormwater management plan is required to be submitted, all dischargers engaged in land development or significant redevelopment activities shall implement post-construction BMPs in the following areas, if applicable, to the project:

(A) These BMPs can include structures to convey run-off safely from the tops of slopes, vegetation or alternative stabilization of all disturbed slopes, the use of natural drainage systems to the MEP, flow and velocity controls upstream of sites; and stabilization or permanent channel crossings, unless the crossing is not publicly accessible and is not frequently used.

(B) BMPs to control flows, velocity and erosion may include the use of energy dissipaters, such as riprap, at the outlets of storm drains, culverts, conduits, or lined channels that enter unlined channels to minimize erosion; installation of retention or equalization basins; or other measures. Flow control and downstream erosion protection measures shall prevent any significant increase in downstream erosion as a result of the new development, but shall not prevent flows needed to sustain downstream riparian habitats or wetlands.

(C) Stabilize permanent channel crossings.

(6) Structural BMPs to treat or to infiltrate stormwater where a development project would otherwise cause or contribute to a violation of water quality standards in receiving waters. Off-site structural BMPs may be used for treatment and infiltration necessary to meet water quality standards only if the conveyance of run-off to those facilities prior to treatment will not cause or contribute to an exceedance of water quality standards, or deprive wetlands or riparian habitats of needed flows.

(7) When an infiltration BMP is used, the following requirements apply:

(A) Infiltration BMPs shall not cause or contribute to an exceedance of applicable groundwater quality objectives as set out in the RWQCB "Basin Plan" for the San Diego area.

(B) Infiltration BMPs shall be designed to protect groundwater by providing 10 feet of vertical separation between the base of the infiltration BMP and the seasonal high groundwater mark, unless otherwise authorized by the RWQCB.

(C) Infiltration BMPs shall be setback horizontally 100 feet from any water supply wells and 100 feet from septic systems.

(D) Infiltration BMPs must be designed to completely drain within 96 hours after a storm. If the infiltration rates of the underlying soils are slow, depth and footprint of the infiltration BMP must be adjusted to achieve this standard.

(E) Restrictions to infiltration BMPs shall be in compliance with Section D.1.d.(12) of the California Regional Water Quality Control Board, San Diego Region Order No. R9-2007-0001, NPDES Permit No. CAS0108758.

(8) The authorized enforcement official with responsibility for the principal permits or approvals sought for a priority development project may waive the requirements of Section 67.810(d)(1), if compliance would be infeasible. A waiver shall only be granted if all available structural treatment BMPs have been considered and rejected as infeasible. If a waiver is granted, the authorized enforcement official may impose alternative, feasible run-off treatment requirements, or may impose other conditions consistent with state law and County ordinances to facilitate the construction of a shared treatment facility in the future.

SEC. 67.811. ADDITIONAL PLANNING, DESIGN AND POST-CONSTRUCTION REQUIREMENTS FOR DEVELOPMENT PROJECTS (AFTER EFFECTIVE DATE OF BMP DESIGN MANUAL)

The following requirements shall become effective only after the effective date of the County BMP Design Manual. Prior to that time, the requirements of Section 67.810 shall apply. The actual effective date of the BMP Design Manual will be on its acceptance by the RWQCB, but will not be sooner than December 24, 2015.

(a) Requirements for all Development Projects

(1) All development projects located in the areas east of the Pacific/Salton Divide shall follow as applicable the approach and criteria described in the State Water Resources Control Board General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities. Development projects located in the areas west of the Pacific/Salton Divide shall implement and maintain BMPs in accordance with the NPDES Order following the approach and criteria described in the BMP Design Manual.

(2) All development projects must submit a Stormwater Quality Management Plan (SWQMP) with an application for a County permit or other County approval, identifying the measures that will be used for stormwater and non-stormwater management for the project. There are two types of SWQMPs: a Standard SWQMP and a PDP SWQMP. A PDP SWQMP is required for all Priority Development Projects west of the Pacific/Salton Divide. Standard SWQMPs are required for all development projects east of the Pacific/Salton Divide, and for all projects west of the Pacific/Salton Divide that are not Priority Development Projects.

(3) General Requirements. BMPs shall be designed, constructed and maintained subject to the following criteria:

(A) Onsite BMPs must be located so as to remove pollutants from runoff prior to its discharge to any receiving waters, and as close to the source as possible;

(B) Structural BMPs may not be constructed in receiving waters; and

(C) Onsite BMPs must be designed and implemented with measures to avoid the creation of nuisance or pollution associated with vectors (e.g., mosquitos, rodents, or flies).

(4) Source Control BMP Requirements. Where applicable and feasible, source control BMPs must be implemented at all development projects to achieve the following:

(A) Prevention of illicit discharges into the stormwater conveyance system;

(B) Stenciling and marking of all storm drains in accordance with the BMP Design Manual;

(C) Protection of all outdoor material storage areas from rainfall, run-on, runoff, and wind dispersal;

(D) Protection of materials stored in outdoor work areas from rainfall, run-on, runoff, and wind dispersal;

(E) Protection of trash storage areas from rainfall, run-on, runoff, and wind dispersal; and

(F) Implementation of additional BMPs as the County determines necessary to minimize pollutant generation.

(5) Site Design Requirements. Where applicable and feasible, the following Site Design BMPs must be implemented at all development projects:

(A) Natural storage reservoirs and drainage corridors (including topographic depressions, areas of permeable soils, natural swales, and ephemeral and intermittent streams) must be maintained or restored;

(B) Buffer zones must be provided for natural water bodies whenever technically feasible. When buffer zones are technically infeasible, other buffers such as trees and access restrictions are required;

(C) Natural areas within the project footprint should be conserved whenever possible;

(D) Streets, sidewalks, and parking lot aisles shall be constructed to the minimum widths necessary consistent with public safety;

(E) The impervious footprint of the project shall be minimized;

(F) Soil compaction to landscaped areas shall be minimized where doing so does not create an excessive risk of slope failure or erosion;

(G) Impervious surfaces shall be disconnected by disturbed pervious areas that can be used to infiltrate runoff;

(H) Landscaped or other pervious areas shall be designed and constructed to effectively receive and infiltrate, retain, and/or treat runoff from impervious areas prior to discharging to the stormwater conveyance system;

(I) Small collection strategies shall be located at, or as close as possible to, the source of the discharge;

(J) Permeable materials shall be used for projects with low traffic areas and appropriate soil conditions;

(K) Native or drought tolerant landscaping shall be used; and

(L) Precipitation shall be harvested and used for landscaping or other permitted use.

(b) Additional Requirements for Priority Development Projects. In addition to meeting the BMP requirements applicable to all other development projects as required by the NPDES Order and set forth above, the following are applicable to Priority Development Projects.

(1) Priority Development Projects include:

(A) New development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). This includes

commercial, industrial, residential, mixed-use, and public development projects on public or private land.

(B) Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.

(C) New and redevelopment projects that create 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses:

i. Restaurants. This category is defined as a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (SIC code 5812).

ii. Hillside development projects. This category includes development on any natural slope that is twenty-five percent or greater.

iii. Parking lots. This category is defined as a land area or facility for the temporary parking or storage of motor vehicles used personally, for business, or for commerce.

iv. Streets, roads, highways, freeways, and driveways. This category is defined as any paved impervious surface used for the transportation of automobiles, trucks, motorcycles, and other vehicles.

(D) New or redevelopment projects that create or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and discharging directly to an ESA. "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e., not commingled with flows from adjacent lands).

(E) New development projects that support one or more of the following uses:

i. Automotive repair shops. This category is defined as a facility that is categorized in any one of the following Standard Industrial Classification (SIC) codes: 5013, 5014, 5541, 7532-7534, or 7536-7539.

ii. Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria:

a. 5,000 square feet or more; or
b. A projected Average Daily Traffic (ADT) of 100 or more vehicles per day.

(F) New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction.

(2) The following projects shall not be considered priority development projects:

(A) New or retrofit paved sidewalks, bicycle lanes, or trails that meet the following criteria:

i. Designed and constructed to direct stormwater runoff to adjacent vegetated areas, or other non-erodible permeable areas; or

ii. Designed and constructed to be hydraulically disconnected from paved streets or roads; or

iii. Designed and constructed with permeable pavements or surfaces in accordance with USEPA Green Streets guidance.

(B) Retrofitting or redevelopment of existing paved alleys, streets or roads that are designed and constructed in accordance with the USEPA Green Streets guidance. Compliance with any Green Street guidance developed by the County shall be deemed to satisfy this requirement as long as that guidance is as protective of water quality as the USEPA Green Streets guidance. Green Streets projects are subject to County review and approval.

(3) Special considerations for redevelopment projects:

(A) Where redevelopment results in the creation or replacement of impervious surface in an amount of less than fifty percent of the surface area of the previously existing development, then the structural BMP performance requirements defined in the BMP Design Manual apply only to the creation or replacement of impervious surface, and not the entire development; or

(B) Where redevelopment results in the creation or replacement of impervious surface in an amount of more than fifty percent of the surface area of the previously existing development, then the structural BMP performance requirements defined in the BMP Design Manual apply to the entire development.

(4) Priority Development Projects must implement structural BMPs that conform to performance requirements described below:

(A) Each PDP must implement BMPs that are designed to retain (i.e., intercept, store, infiltrate, evaporate, and evapotranspire) onsite the pollutants contained in the volume of stormwater runoff produced from a 24-hour 85th percentile storm event (design capture volume); or

(B) If retaining the full design capture volume onsite is not technically feasible, biofiltration BMPs may be used. Biofiltration BMPs must be designed to have an appropriate hydraulic loading rate to maximize stormwater retention and pollutant

removal, as well as to prevent erosion, scour, and channeling within the BMP, and must be sized to:

i. Treat 1.5 times the design capture volume not reliably retained onsite, or

ii. Treat the design capture volume not reliably retained onsite with a flow-thru design that has a total volume, including pore spaces and pre-filter detention volume, sized to hold at least 0.75 times the portion of the design capture volume not reliably retained onsite.

(5) Hydromodification Management BMP Requirements. Priority Development Projects must implement onsite BMPs to manage hydromodification that may be caused by stormwater runoff discharged from a project as follows:

(A) Hydromodification BMPs must be sized and designed such that post-project runoff conditions (flow rates and durations) will not exceed pre-development runoff conditions by more than 10 percent (for the range of flows that result in increased potential for erosion, or degraded instream habitat downstream of Priority Development Projects).

(B) A Priority Development Project may be exempted from the hydromodification management BMP performance requirements where the project discharges stormwater runoff to:

i. Existing underground storm drains that discharge directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean; or

ii. Conveyance channels whose bed and bank are concrete lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments or the Pacific Ocean; or

iii. An area identified by the County as appropriate for an exemption through a Watershed Management Area Analysis incorporated into a Water Quality Improvement Plan accepted by the RWQCB.

(C) PDP projects must avoid critical course sediment yield areas as identified by the County or in any applicable Watershed Management Area Analysis accepted by the RWQCB, unless measures are implemented that allow critical coarse sediment to be discharged to receiving waters, such that there is no net impact to the receiving water.

(6) The following requirements apply to the use of infiltration BMPs:

(A) Infiltration BMPs shall not cause or contribute to an exceedance of applicable groundwater quality objectives as set out in the RWQCB "Basin Plan" for the San Diego area;

(B) Runoff must undergo pretreatment such as sedimentation or filtration prior to infiltration;

(C) Pollution prevention and source control BMPs must be implemented at a level appropriate to protect groundwater quality at sites where infiltration BMPs are to be used;

(D) Infiltration BMPs must be adequately maintained to remove pollutants in stormwater to the MEP;

(E) The vertical distance from the base of any infiltration BMP to the seasonal high groundwater mark must be at least 10 feet. Where groundwater basins do not support beneficial uses, this vertical distance criteria may be reduced, provided groundwater quality is maintained;

(F) The soil through which infiltration is to occur must have physical and chemical characteristics (e.g., appropriate cation exchange capacity, organic content, clay content, and infiltration rate) which are adequate for proper infiltration durations and treatment of runoff for the protection of groundwater beneficial uses;

(G) Infiltration BMPs must not be used for areas of industrial or light industrial activity, and other high threat to water quality land uses and activities as designated by the County , unless source control BMPs to prevent exposure of high threat activities are implemented, or runoff from such activities is first treated or filtered to remove pollutants prior to infiltration; and

(H) Infiltration BMPs must be located a minimum of 100 feet horizontally from any water supply wells and 25 feet from any septic system or as prescribed by County of San Diego Department of Environmental Health.

(7) A priority development project shall not receive a certificate of occupancy or other final approval allowing use of the project site or any portion thereof, until after all required structural BMPs have been constructed in accordance with the PDP SWQMP, BMP Design Manual, this Chapter, and the NPDES Order.

SEC. 67.812. MAINTENANCE OF STRUCTURAL BMPs.

(a) All existing and new development shall maintain the construction BMPs and post-construction structural BMPs relied upon to achieve and maintain compliance with this Chapter and NPDES Order. The owner of the land on which the BMPs are located or the person responsible for completing the BMPs as part of a construction project shall implement, maintain or retrofit the BMPs as necessary to ensure pollutants are removed from stormwater to the MEP and all prohibited non-stormwater discharges are prevented from reaching the stormwater conveyance system or receiving waters. BMPs shall remain effective and function in the manner intended. All BMPs must be maintained to avoid the creation of nuisance or pollution associated with vectors (e.g. mosquitos, rodents, or flies).

(b) The owners and occupants of lands on which post-construction structural BMPs have been installed to meet the requirements of this Chapter and the NPDES Order shall ensure the maintenance and effective operation of those BMPs, and shall themselves maintain those BMPs if other persons or entities who are also obliged to maintain those BMPs fail to do so. The owners and occupants shall provide documentation of such maintenance and effective operation annually and as requested by the authorized enforcement official.

(c) Primary responsibility to maintain post-construction structural BMPs may be transferred through a contract or other agreement. If that contract provides that it will be submitted to the County pursuant to this Chapter as part of a development permit application, and if that contract is so submitted, the person or entity accepting a maintenance obligation in such a contract or agreement will also be legally obliged to maintain that BMP pursuant to this Chapter.

(d) For purposes of County enforcement, no contract or other agreement imposing an obligation to maintain a BMP can relieve a person or entity of any obligation to maintain a BMP imposed by this Chapter.

(e) Any developer or property owner who transfers ownership of land on which a post-construction, structural BMP is located or will be located, or who otherwise transfers ownership of a post-construction, structural BMP or responsibility for the maintenance of such a BMP to another person or entity, shall provide clear written notice registered on title of the property of the maintenance obligations associated with that BMP to the new or additional responsible party prior to that transfer.

(f) The proponents of any land disturbance activity shall provide to the County for review and approval prior to issuance of such permit, a plan for maintenance of all post-construction structural BMPs associated with the project. The plan shall specify the persons or entities responsible for maintenance activity, the persons or entities responsible for funding, schedules and procedures for inspection and maintenance of the BMPs, worker training requirements, and any other activities necessary to ensure BMP maintenance. The plan shall provide for servicing of all post-construction structural BMPs at least annually and for the retention of inspection and maintenance records for at least three (3) years.

(g) The proponents of any development project that requires a discretionary County permit shall provide to the County for review and approval prior to issuance of such permit, an executed, permanent easement onto the land on which post-construction structural BMPs will be located, and across other lands as necessary for access, to allow inspection and maintenance of those BMPs.

(h) The proponents of any project that requires a discretionary County permit shall provide to the County prior to issuance of such permit, proof of a mechanism acceptable to the County which will ensure ongoing long-term maintenance of all post-construction structural BMPs associated with the proposed project. The proponents shall be responsible for maintenance, repair and replacement of BMPs unless and until an alternative mechanism for ensuring maintenance is accepted by the County and becomes effective.

(i) The County or another public entity may accept responsibility for maintenance of any post-construction, structural BMP, under such conditions as the County or other public entity determines are appropriate. Where a maintenance obligation is proposed to be accepted by a public entity other

than the County, the County shall be involved in the negotiations with that agency, and in negotiations with the resource agencies responsible for issuing permits for the construction or maintenance of the post-construction, structural BMP. The County must be identified as a third party beneficiary empowered to enforce any such maintenance agreement.

SEC. 67.813. INSPECTION/SAMPLING.

(a) Authorized enforcement officials may inspect facilities, activities and residences subject to this Chapter at reasonable times and in a reasonable manner to carry out the purposes of this Chapter. If entry for a regulatory inspection is refused by the owner or operator, or by the occupant of a residence, an inspection warrant shall be obtained prior to inspection.

(b) When any new post-construction structural BMP is installed on private property as part of a project that requires a County permit, in order to comply with this Chapter, the property owner shall grant to the County an easement to enter the property at reasonable times and in a reasonable manner to ensure that the BMP is working properly. This includes the right to enter the property without prior notice once per year or as otherwise required by the NPDES Order for routine inspections, to enter as needed for additional inspections when the County has a reasonable basis to believe that the BMP is not working properly, to enter for any needed follow-up inspections, and to enter when necessary for abatement of a nuisance or correction of a violation of this Chapter.

(c) Inspections may include all actions necessary to determine whether any illegal discharges or illicit connections exist, whether the BMPs installed and implemented are adequate to comply with this Chapter, whether those BMPs are being properly maintained, and whether the facility or activity complies with the other requirements of this Chapter. This may include but may not be limited to sampling, metering, visual inspections, and records review. Where samples are collected the owner or operator may request and receive split samples. Records, reports, analyses, or other information required under this Chapter may be inspected and copied, and photographs taken to document a condition and/or a violation of this Chapter.

SEC. 67.814. ENFORCEMENT.

(a) General. The authorized enforcement official and each agent or deputy thereof who is assigned to duties which include the enforcement of this Chapter in the San Diego County Code of Regulatory Ordinances, and any peace officer, are authorized to enforce the provisions of this Chapter, including the activities set forth in this Section below.

(b) Order to Stop, Repair Work and Bonds. Whenever the authorized enforcement official determines that any activity regulated by this Chapter causes or threatens to cause the discharge of pollutants in stormwater, the prohibited discharge of non-stormwater to the stormwater conveyance system or receiving waters, or otherwise violate a requirement of this Chapter, he or she may order work to be stopped and/or repairs, BMPs, pollution prevention practices or other corrections to be made, by serving written notice on the owner, permittee or any person engaged in the doing or causing such activity to be performed, and such persons shall immediately stop such work until authorized by the authorized enforcement official in writing to proceed. The authorized enforcement official may require performance and payment bonds for the full cost of any repair work in a form meeting the substantive requirement for bonds specified by the County Subdivision Ordinance.

(c) Notice of Violation. The authorized enforcement official may issue and enforce Notices of Violation and Notices of Ineligibility for Land Development, pursuant to this Chapter.

(d) Administrative Remedies, Fines and Liens. The authorized enforcement official may pursue the Administrative Remedies set forth at Division 8 of Title 1 of this Code, including the issuance of Administrative Citations pursuant to Chapter 1 (commencing with Section 18.101) of said Division 8. Unpaid administrative citations may be recorded against the property on which the violation occurred and may be foreclosed in any manner allowed by State law or County ordinance for the foreclosure of liens.

(e) Arrests and Citations. The authorized enforcement official shall have the power to make arrests for violations of this Chapter and State laws which he or she has a duty to enforce, and to issue citations for such violations. Any person so arrested who does not demand to be taken before a magistrate may instead be cited in the manner prescribed in Chapter 5C (commencing with Section 853.5) of Title 3, Part 2 of the Penal Code. The authorized enforcement official may arrest an owner without warrant whenever they have reasonable cause to believe that the person arrested has committed a violation of this Chapter, provided that the officer or employee making the arrest shall have completed a course of training that meets the minimum standards prescribed by the Commission on Peace Officer Standards and Training as prescribed by Section 832(a) of the Penal Code. An officer or employee making an arrest under this Section shall follow the citation-release procedures prescribed by the Penal Code.

(f) Non-Liability. The authorized enforcement official charged with the enforcement of this Chapter, acting in good faith and without malice for the County in the discharge of his duties, shall not thereby render himself or herself liable personally and he or she is hereby relieved from all personal liability for any damage that may accrue to persons or property as a result of any act required or by reason of any act or omission in the discharge of his duties. Any suit brought against the authorized enforcement official, because of such act or omission performed by him or her in the enforcement of any provisions of this Chapter, shall be defended by the legal department of the County until final termination of the proceedings.

SEC. 67.815. VIOLATIONS - CRIMINAL PENALTIES.

(a) Any person violating any provision of this Chapter shall be deemed guilty of a misdemeanor, unless, in the discretion of the prosecutor, it is charged as an infraction. A person convicted of a third or subsequent such violation within two years from the date of the first conviction shall be deemed guilty of a misdemeanor.

(b) Any person convicted of an infraction under this Chapter shall be punished by a fine not exceeding one hundred dollars for the first violation, two hundred dollars for the second violation within one year, and five hundred dollars for each subsequent violation within one year. Any person convicted of a misdemeanor under this Chapter shall be punished by imprisonment in the County jail for a term not exceeding six months, or by a fine not exceeding one thousand dollars, or both.

(c) Each day or any portion of a day that any person violates or continues to violate provisions of this Chapter constitutes a separate offense and may be charged and punished separately without awaiting conviction on any prior offense. The penalties imposed by this Section are in addition to penalties imposed under other provisions of this Code and other County ordinances.

(d) Paying a fine or serving a jail sentence shall not relieve any owner or permittee from responsibility for correcting any condition which violates any provision of this Chapter.

SEC. 67.816. VIOLATIONS - PUBLIC NUISANCE.

In addition to any penalty prescribed for violation of this Code, any discharge of pollutants in stormwater, prohibited discharge of non-stormwater to the stormwater conveyance system or receiving waters, or act done contrary to the provisions of this Chapter is unlawful and a public nuisance. Any work performed without a Standard SWQMP, PDP SWQMP, SWPPP or other plan required by this Chapter prior to commencement of work, regardless of whether such failure is due to neglect or refusal, shall be prima facie evidence that a public nuisance has been committed. A public nuisance may be abated in accordance with the Uniform Public Nuisance Abatement Procedure contained in Chapter 2, Division 6, Title 1 (commencing with Section 16.201) of this Code or, upon order of the Board of Supervisors, the County Counsel is authorized to commence necessary proceedings provided by law to abate, remove and/or enjoin such public nuisance.

SEC. 67.817. VIOLATIONS - DENIAL OF SUBSEQUENT PERMITS AND OCCUPANCY.

Any work performed on a priority development project or land disturbance activities on a construction project performed without first obtaining a Standard SWQMP, PDP SWQMP, SWPPP or other plan required by this Chapter and any violation of one or more conditions contained in such a plan where the violation results in or threatens to result in the discharge of pollutants in stormwater or a prohibited, non-stormwater discharge to the stormwater conveyance system or receiving waters, shall be grounds for denying for five years all applications for grading permits, administrative permits, site plans, use permits, major and minor subdivisions, rezones, specific plans, specific plan amendments, general plan amendments and other land development applications proposed for the property on which the violation occurred. The "property" shall be deemed to include the lot or parcel on which the violation occurred, together with all adjacent parcels owned by the same person or entity or which are part of a common plan of development. The five-year period shall commence from the date of the violation, if documented, or from the date of discovery of the violation. The Board of Supervisors may waive the penalty imposed by this subsection, for good cause. Any such waiver, if granted, shall in no way relieve the owner or applicant for any such subsequent land development application, of their duty to include the environmental effects of the violation in any environmental analysis performed for the subsequent application, to restore or rehabilitate the site, implement such BMPs and/or pollution prevention practices as may be necessary to resolve the violation, and provide substitute or compensating resources, or perform other appropriate measures to mitigate the adverse effects of the illegal activity.

SEC. 67.818. VIOLATIONS - INJUNCTIVE OR DECLARATORY RELIEF.

In addition to or in lieu of other remedies specified in this Chapter, any violation of this Chapter may be enforced by a judicial action for injunctive or declaratory relief.

SEC. 67.819. VIOLATIONS - CIVIL PENALTIES.

(a) As part of a civil action filed by the County to enforce provisions of this Chapter, a court may assess a maximum civil penalty of $2,500 per violation of this Chapter for each day during which

any violation of any provision of this Chapter is committed, continued, permitted or maintained by such person(s).

(b) In determining the amount of any civil liability to be imposed pursuant to this Chapter, the superior court shall take into consideration the nature, circumstances, extent, and gravity of the violation or violations, whether any discharge caused by the violation is susceptible to cleanup or abatement, and, with respect to the violator, the ability to pay, the effect on ability to continue in business, the extent of any advantage gained by an unfair business practice, any voluntary cleanup efforts undertaken, any prior history of violations, the degree of culpability, economic savings, if any, resulting from the violation, and such other matters as justice may require.

SEC. 67.820. VIOLATIONS - COST RECOVERY.

In addition to other penalties and remedies permitted in this Chapter, the following may be awarded without monetary limitations in any civil action:

(a) Costs to investigate, inspect, monitor, survey, or litigate;

(b) Costs to place or remove BMPs; costs to correct any violation; and costs to end any adverse effects of a violation;

(c) Compensatory damages for losses to the County or any other plaintiff caused by violations; and/or

(d) Restitution to third parties for losses caused by violations.

SEC. 67.821. NOTICE OF INELIGIBILITY FOR LAND DEVELOPMENT.

(a) If the authorized enforcement official believes that work has been performed on a priority development project or land disturbance activities on a construction project have been performed without first obtaining a Standard SWQMP, PDP SWQMP, SWPPP or other plan required by this Chapter and any violation of one or more conditions contained in such a plan where the violation results in or threatens to result in the discharge of pollutants in stormwater or a prohibited, non-stormwater discharge to the stormwater conveyance system or receiving waters, he or she may deliver to the owner of the property upon which the activity occurred a Notice of Intent to File a Notice of Ineligibility for Land Development with the Departments of Planning and Development Services and Public Works. The notice of intent shall be either served upon the owner personally or be both mailed (via certified mail, return receipt requested) to the owner at the address shown on the most recent tax assessment records and posted on the property. The notice of intent shall state the authorized enforcement official's intention to file the Notice of Ineligibility for Land Development, and shall fix a location, time and date (which shall not be less than fifteen days after the delivery of the notice), at which the authorized enforcement official will hold a hearing at which the owner may submit to the authorized enforcement official written comments or reasons why a Notice of Ineligibility for Land Development should not be filed. The authorized enforcement official shall hold the hearing at the appointed time, shall consider any information provided by the owner, and shall determine whether a violation occurred, whether it has been remedied, and whether to file a Notice of Ineligibility for Land Development.

(b) If the authorized enforcement official files a Notice of Ineligibility for Land Development, and for so long as said notice remains in effect, no application for a building permit, administrative permit, site plan, use permit, variance, tentative parcel map, tentative map, parcel map or final map or any other permit for the development of the subject property shall be approved. All such applications shall be denied, and the authorized enforcement official receiving such an application shall not be required to undertake further review of the application. The "subject property" shall be deemed to include the lot or parcel on which the violation occurred, together with all adjacent parcels owned by the same person or entity or which are part of a common plan of development. The Notice of Ineligibility for Land Development shall remain in effect until the authorized enforcement official files a "Release of Notice of Ineligibility for Land Development," which the authorized enforcement official shall file when the Standard SWQMP, PDP SWQMP, SWPPP or other plan as required by this Chapter has been obtained, and that all necessary BMPs, pollution prevention practices and other site conditions or activities have been inspected and approved in writing by the authorized enforcement official as being in compliance with the requirements of this Chapter.

Section 3. Within 15 days after adoption of this ordinance, a summary hereof shall be published once, with the names of the members of this Board voting for and against the same in the San Diego Commerce, a newspaper of general circulation published in the County of San Diego. This ordinance shall be effective thirty days after its adoption.

APPROVED AS TO FORM AND LEGALITY
COUNTY COUNSEL

By: _____
Thomas L. Bosworth, Sr. Deputy County Counsel

PASSED, APPROVED, AND ADOPTED by the Board of Supervisors of the County of San Diego this 13th day of May, 2015.

BILL HORN
Chairman, Board of Supervisors
County of San Diego, State of California

The above Ordinance was adopted by the following vote:

AYES: Jacob, D. Roberts, Horn
ABSENT: Cox, R. Roberts

ATTEST my hand and the seal of the Board of Supervisors this 13th day of May, 2015.

DAVID HALL
Clerk of the Board of Supervisors

By Nancy Vizcarra
Nancy Vizcarra, Deputy

Ordinance No. 10385 (N.S.)

05/13/15 (9)

3.0 DEVELOPMENT PLANNING COMPONENT 1

3.1 Introduction 1

3.2 Land Use Planning 1
3.2.1 Background 1
3.2.2 Source Characterization 2
3.2.3 Best Management Practice Requirements 3
3.2.4 Program Implementation 4

3.3 Environmental Review Process 6

3.4 Development Project Approval and Verification Process 7
3.4.1 Background 7
3.4.2 Source Characterization 8
3.4.3 Best Management Practice Requirements 8
3.4.4 Program Implementation 10

3.5 Structural BMPs 19
3.5.1 Structural BMP Inventory 19
3.5.2 Structural BMP Prioritization 19
3.5.3 Structural BMP Maintenance Verifications 20
3.5.4 Structural BMP Inspection and Oversight 20

Table 3.1 - Anticipated Pollutants of Concern Generated by Land Use Type 3
Table 3.2 - Program Implementation Roles and Responsibilities 10

Figure 3-1 - Planning Hierarchy for Stormwater Management 2

Attachment 3.1: CEQA Initial Study-Environmental Checklist Form for Hydrology and Water Quality
Attachment 3.2: Self Verification Documents

3.0 DEVELOPMENT PLANNING COMPONENT

3.1 INTRODUCTION

The goal of this Jurisdictional Runoff Management Program (JRMP) component is to establish a programmatic framework for the implementation of stormwater management activities in accordance with Water Quality Improvement Plans (WQIPs) strategies and other jurisdictional plans, design standards, and ordinances. By providing and implementing these programs for new land development and redevelopment projects, it is possible to minimize impacts to receiving waters and other environmental resources, and it will also comply with federal and state laws. This section provides a description of a comprehensive stormwater program the County has implemented to address land-use, development, and redevelopment elements.

3.2 LAND USE PLANNING

3.2.1 Background

The County of San Diego's General Plan is the comprehensive long-range plan that provides the framework for development planning in the County Unincorporated area. The General Plan addresses all aspects of the development process, including housing, traffic, safety, public facilities, land use, natural resources, and open space. In accordance with state law, all land use regulations and decisions made by the County must be consistent with the General Plan.

The Watershed Protection Ordinance (WPO) [Title 6, Division 7, Chapter 8, Section 67.801-67.821] provides the County legal authority to regulate stormwater activities as they relate to land use, development and redevelopment. The WPO (Attachment 2.2) defines the Best Management Practices (BMPs) for planning, design, and post-construction for all projects. The land development process typically requires environmental assessment, project review and recommendation, and hearing body approval. The WPO is one of many local regulations that all projects must comply with through the planning process.

In addition to the over-arching land use regulations, watershed protection for land development is achieved through an action plan known as the BMP Design Manual. The BMP Design Manual is a jurisdictional requirement of the 2013 MS4 Permit which provides the planning framework and guidance for stormwater management on all development and redevelopment sites. The BMP Design Manual establishes rules for the proper design and layout of development plans. Within the BMP Design Manual are policies and recommendations including: site design and source control practices, stormwater pollution control BMPs, and hydromodification management BMPs. The WPO, MS4 Permit, and Construction General Permit (CGP) all establish requirements for BMPs while the BMP Design Manual provides the planning method and guidance in which to meet the requirements. The BMP Design Manual contains the Stormwater Quality Management Plan (SWQMP) template for use by project applicants to select appropriate BMPs for each project site. The County's BMP Design Manual will not become effective until December 2015, and until that time, the jurisdictional Standard Urban Stormwater Mitigation Plan (SUSMP) will continue to serve as the equivalent interim document. The County's BMP

Design Manual can be accessed on the internet at
http://www.sandiegocounty.gov/content/sdc/dpw/watersheds.html.

The stormwater planning hierarchy is demonstrated in Figure 3-1.

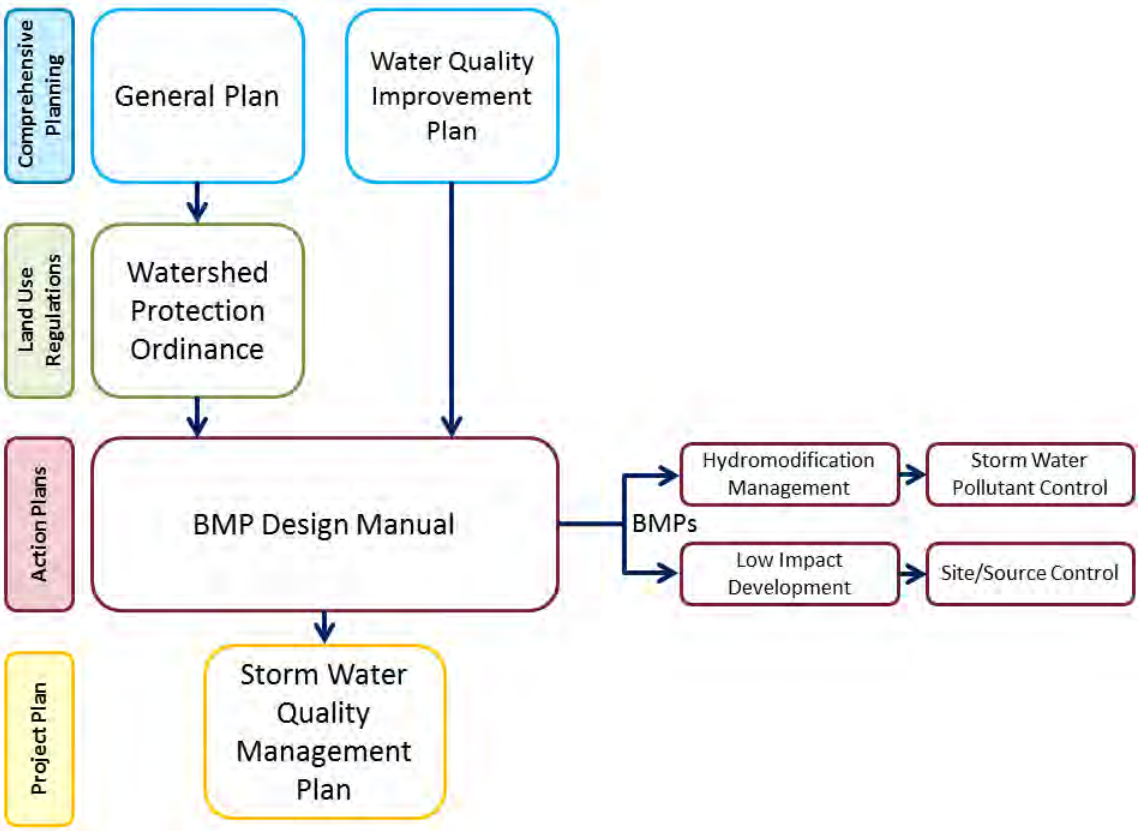


Figure 3-1 - Planning Hierarchy for Stormwater Management

The following sections discuss these components of the land development planning process.

3.2.2 Source Characterization

Urban development can negatively impact water quality and watershed health by increasing impervious surface area and by introducing new pollutant sources and pollutant-generating activities that accompany different types of land use. Changes in land surface characteristics through development changes the natural course of stormwater runoff by altering the runoff velocity and volume. These changes increase the potential for erosion and also become mechanisms of collection and transport for pollutants that are from various anthropogenic sources such as trash, oils and grease from vehicle use, fertilizers and pesticides from landscape management, erosion and sedimentation from soil disturbance, wash water, and wastes from materials management. The General Plan specifies the type and intensity of land uses allowed in the County Unincorporated area. Certain land use types have anticipated categories of pollutants associated with their use that can have varying levels of impacts on water quality. Industrial land

Design Manual can be accessed on the internet at
http://www.sandiegocounty.gov/content/sdc/dpw/watersheds.html.

The stormwater planning hierarchy is demonstrated in Figure 3-1.

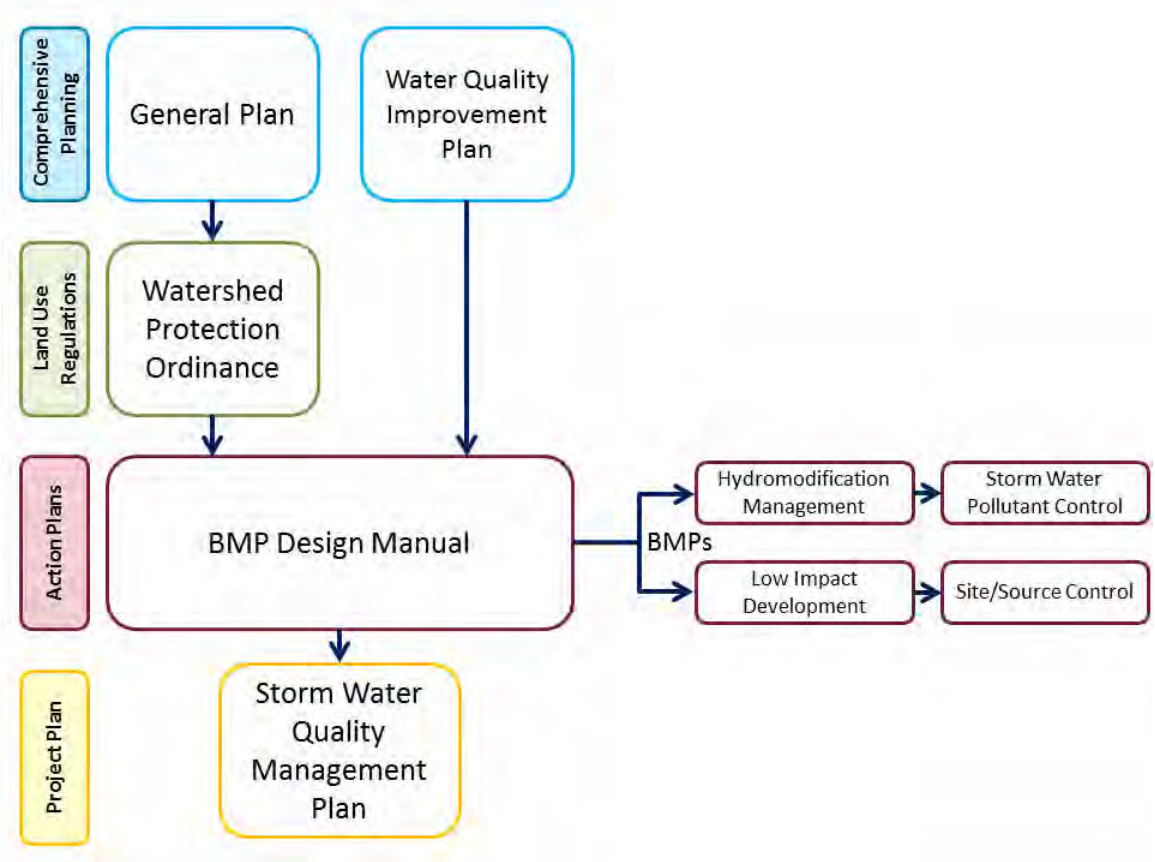


Figure 3-1 - Planning Hierarchy for Stormwater Management

The following sections discuss these components of the land development planning process.

3.2.2 Source Characterization

Urban development can negatively impact water quality and watershed health by increasing impervious surface area and by introducing new pollutant sources and pollutant-generating activities that accompany different types of land use. Changes in land surface characteristics through development changes the natural course of stormwater runoff by altering the runoff velocity and volume. These changes increase the potential for erosion and also become mechanisms of collection and transport for pollutants that are from various anthropogenic sources such as trash, oils and grease from vehicle use, fertilizers and pesticides from landscape management, erosion and sedimentation from soil disturbance, wash water, and wastes from materials management. The General Plan specifies the type and intensity of land uses allowed in the County Unincorporated area. Certain land use types have anticipated categories of pollutants associated with their use that can have varying levels of impacts on water quality. Industrial land

use types, for example, typically have pollutants on site and have an increased potential for pollutants to move off the site. Table 3.1 below identifies the anticipated and potential pollutants of concern for each of the land use types.

Table 3.1 - Anticipated Pollutants of Concern Generated by Land Use Type

	General Pollutant Categories								
Priority Project Categories	**Sediments**	**Nutrients**	**Heavy Metals**	**Organic Compounds**	**Trash & Debris**	**Oxygen Demanding Substances**	**Oil & Grease**	**Bacteria & Viruses**	**Pesticides**
Detached Residential Development	X	X			X	X	X	X	X
Attached Residential Development	X	X			X	P(1)	P(2)	P	X
Commercial Development >1 Acre	P(1)	P(1)	X	P(2)	X	P(5)	X	P(3)	P(5)
Heavy Industry	X		X	X	X	X	X		
Automotive Repair Shops			X	X(4)(5)	X		X		
Restaurants					X	X	X	X	P(1)
Hillside Development >5,000 ft^2	X	X			X	X	X		X
Parking Lots	P(1)	P(1)	X		X	P(1)	X		P(1)
Retail Gasoline Outlets			X	X	X	X	X		
Streets, Highways & Freeways	X	P(1)	X	X(4)	X	P(5)	X	X	P(1)

X = anticipated
P = potential
(1) A potential pollutant if landscaping exists on-site
(2) A potential pollutant if the project includes uncovered parking areas
(3) A potential pollutant if land use involves food or animal waste products
(4) Including petroleum hydrocarbons
(5) Including solvents

3.2.3 Best Management Practice Requirements

Many land use regulations and restrictions are put in place by jurisdictions to protect resources and beneficial uses. In addition to protecting surface water quality, the County is responsible for protecting the aesthetics, biological resources, mineral resources, agricultural resources, cultural resources, recreational spaces, air quality, geological resources, as well as planning for population housing and providing adequate transportation routes within the region. Through this planning process, the County decides how to use and protect natural resources, financial capital, and people to achieve and maintain healthy communities and a high quality of life. Protecting surface water and groundwater quality through land use regulations is one of the goals of the General

Plan and through the County's many land use regulations "best management practices" are being implemented. WQIPs may also identify additional minimum BMPs intended to target specific high priority pollutants.

3.2.4 Program Implementation

3.2.4.1 General Plan

The General Plan provides effective water quality and watershed protection principles and policies. These principles and policies assist in directing land use decisions and require implementation of consistent water quality protection measures for Development Projects.

In response to the requirements of the 2007 MS4 Permit, the County analyzed its General Plan to assess the effectiveness of existing goals and policies related to water quality, watershed protection, and stormwater pollution. The County comprehensively updated the General Plan by developing goals and policies to protect water quality and watersheds, and to minimize stormwater pollution. These future goals and policies replaced those found in the existing regional elements, as well as some of the Community Plans, and are primarily addressed in the Conservation and Open Space Element (general water management and protection and maintenance of water resources policies), the Mobility Element (low impact development applications for roadways), and the Safety Element (floodplain and floodway management). The most recent General Plan was adopted by the County Board of Supervisors on August 3, 2011.

3.2.4.2 Watershed Protection Ordinance (WPO) Update

The WPO establishes stormwater requirements for managing and controlling discharges on existing sites and development sites. The WPO was last amended and approved by the County of San Diego's Board of Supervisors in June 2015. The WPO update includes new requirements for pollutant control BMPs, as well as the definition of Priority Development Projects. The most current version of the WPO is incorporated by reference in the BMP Design Manual.

3.2.4.3 BMP Design Manual

3.2.4.3.1 Model Regional BMP Design Manual

The Copermittees organized a formal workgroup to oversee the development of the Model BMP Design Manual. The manual is based on the previous Model SUSMP and it incorporates the new requirements in the 2013 MS4 Permit. New requirements for development projects relate to retention and re-use, biofiltration, and Priority Development Project (PDP) categories. The manual will also incorporate the requirements and methodology from the regional Hydromodification Management Plan (HMP) and critical coarse sediment yield area protection.

3.2.4.3.2 Local BMP Design Manual

In an effort to facilitate the submittal of an updated local BMP Design Manual for all jurisdictions, the Copermittees collaborated on the development of a model BMP Design Manual for regional consistency. The local BMP Design Manual update includes updated BMP requirements, including:

1. Retention/re-use of runoff from the 85th percentile storm event;
2. Revised BMP classification and naming;
3. Alternative compliance options, if adopted by the County; and
4. Avoidance of critical coarse sediment areas.

The County's BMP Design Manual can be accessed on the internet at http://www.sandiegocounty.gov/content/sdc/dpw/watersheds.html

3.2.4.3.3 *Low Impact Development*

The County's *Low Impact Development Handbook—Stormwater Management Strategies* document was created in 2007 and then updated in July 2014 by a multidisciplinary Technical Advisory Committee. The document serves as a guidance document for the planning, application, design, and maintenance of low impact development (LID) BMPs. LID feasibility and applicability criteria and specific LID requirements are specified in the BMP Design Manual.

3.2.4.3.4 *Hydromodification Management Plan (HMP)*

The Final Hydromodification Management Plan (Final HMP) for the region was approved in March of 2011 and subsequently incorporated in the County SUSMP. The BMP Design Manual has been developed to supersede and replace both the Final HMP and the County SUSMP. The Final HMP will still be made available as a reference since it documents in detail the process that was used to develop the design requirements.

One change to the hydromodification management requirements in the 2013 MS4 Permit is the avoidance of critical sediment yield areas. The BMP Design Manual includes the criteria for demonstrating compliance with this requirement.

3.2.4.3.5 *Alternative Compliance*

Pursuant to 2013 MS4 Permit Section E.3.c.(3), the County may elect to develop and implement an offsite alternative compliance program. Under an alternative compliance program, public and private project proponents may be allowed to utilize offsite projects to satisfy treatment or hydromodification requirements in lieu of fully mitigating post-project runoff conditions onsite. A variety of offsite project types such as BMP retrofits, land purchases, and stream rehabilitation might be used to satisfy these requirements. The 2013 MS4 Permit allows the development of in lieu fee structures and water quality credit systems as potential options for meeting these obligations. Credit systems require Regional Board review and acceptance.

3.2.4.3.6 *Submittals*

The Copermittees anticipate submitting the BMP Design Manual to the Regional Board by June 27, 2015, for its review. The BMP Design Manual will be available on the Regional Clearinghouse within 30 days of submittal and implemented within 180 days of the submittal.

3.3 ENVIRONMENTAL REVIEW PROCESS

All County discretionary permit applications undergo environmental review prescribed by the California Environmental Quality Act (CEQA). Part of this review involves an assessment of the project's potential water quality direct and cumulative impacts, which are documented on a CEQA Initial Study-Environmental Checklist Form. Section IX of this checklist includes review questions specific to hydrology and water quality (Attachment 3.1). For each question, staff will review the project proposal and determine if the project will have: "No Impact," "Less Than Significant Impact," "Less Than Significant With Mitigation Incorporated," or a "Potentially Significant Impact." For each determination, a description of the impact significance is included.

To determine the threshold for significance, the County created *Guidelines for Determining Significance* under CEQA to provide a consistent, objective, and predictable evaluation of whether development projects in the County Unincorporated area will have "significant" environmental impacts. These significance determinations provide the guidance for answering the questions in each section of the Initial Study. Section IX of the Initial Study pertains to Hydrology and Water Quality, where the answers to potential impacts are grouped in four categories: (1) Potentially Significant Impacts, (2) Potentially Significant Impact Unless Mitigation Incorporated, (3) Less than Significant Impact, and (4) No Impact. The complete CEQA Initial Study – Environmental Checklist Form for Hydrology and Water Quality is located in Attachment 3.1. Findings of significance generally lead to additional requirements for environmental review and/or mitigation. The *Surface Water Quality Guidelines* are used to evaluate whether a discretionary project may have adverse effects on surface water quality. The Guidelines provide an overview of local watersheds, summarize existing federal and state regulations, describe typical pollutant effects on water quality, and present guidelines to determine significance under CEQA. The following five guidelines are used to determine significance under CEQA, each of which is described in greater detail in the document:

1. The project is a development project listed in County of San Diego, Code of Regulatory Ordinances (Regulatory Ordinances), Section 67.802(i), as amended, and does not comply with the standards set forth in the Additional Planning, Design and Post-Construction Requirements for Development Projects, Regulatory Ordinances Section 67.810, as amended, or the Additional Requirements for Construction Projects set forth in Regulatory Ordinances, Section 67.809.
2. The project would drain to a tributary of an impaired water body listed on the Clean Water Act Section 303(d) list, and will contribute substantial additional pollutant(s) for which the receiving water body is already impaired.
3. The project would drain to a tributary of a drinking water reservoir and will contribute substantially more pollutant(s) than would normally runoff from the project site under natural conditions.
4. The project will contribute pollution in excess of that allowed by applicable State or local water quality objectives or will cause or contribute to the degradation of beneficial uses.

5. The project does not conform to applicable federal, state, or local "Clean Water" statutes or regulations including, but not limited to, the federal Water Pollution Control Act, California Porter-Cologne Water Quality Control Act, and the County of San Diego Watershed Protection, Stormwater Management, and Discharge Control Ordinance (WPO).
6. The project is located within critical coarse sediment yield areas as mapped in the Watershed Management Area Analysis.

Once significance has been established using the Initial Study Form and the Guidelines, the Project Manager will give the applicant the opportunity to redesign the project to reduce any findings of significance to less than significant. For example, if a "Potentially Significant Impact" is selected on the CEQA Initial Study Form for Water Quality, the project proponents are directed to use the BMP Design Manual and other water quality guidelines to increase mitigation through other project design considerations, BMPs, and/or LID techniques. Once the project design has been negotiated and finalized, a formal CEQA document is created and the project will be given either a CEQA Exemption (no impacts), Negative Declaration (less than significant impacts), Mitigated Negative Declaration (less than significant impacts with mitigation incorporated), or Environmental Impact Report (potentially significant impacts).

3.4 DEVELOPMENT PROJECT APPROVAL AND VERIFICATION PROCESS

3.4.1 Background

As described in the Land Use Planning section 3.2, the WPO establishes the County's legal authority to regulate stormwater methodologies as outlined by the MS4 Permit. The WPO, in conjunction with the WQIPs, General Plan, and BMP Design Manual, defines the stormwater requirements for managing and controlling discharges and establishes rules for the proper design and layout of development plans. The WQIPs will set forth the jurisdictional planning framework, and the BMP Design Manual will establish specific design requirements for private and municipal stormwater management on development sites. Within the BMP Design Manual are policies and recommendations for BMPs including: source, site, treatment, hydromodification, and LID BMPs. The BMP Design Manual contains the templates for a Standard Stormwater Quality Management Plan (Standard SWQMP) and a Priority Development Project Stormwater Quality Management Plan (PDP SWQMP) for use by project applicants to select appropriate BMPs for each project site.

The County BMP Design Manual is intended for use on both large and small projects processed through the County's Planning and Development Services (PDS) Project Planning Division, Building Division or Land Development Division. The application of the BMP Design Manual is not limited to Priority Development Projects, but distinguishes those projects from other minor development projects through the requirements of the SWQMP. The BMP Design Manual also applies to County capital improvement projects.

2013 MS4 Permit Provision E.3.a sets out minimum requirements which must be addressed on a project basis during the approval process. This section describes the application of the County's local BMP Design Manual and project approval process which ensures applicable standards are met for all projects.

3.4.2 Source Characterization

On a project level, water quality impacts may appear to be relatively insignificant. However, when these impacts are considered in context with the cumulative effects of urban development, water quality impacts may become quite significant. Project by project, urban development changes water quality and watershed health by cumulatively increasing impervious surfaces in a region and by introducing new pollutant-generating activities associated with the land use. Land use categories such as automotive repair shops, parking lots, hillside development, and retail gasoline outlets typically have pollutants on site that have an increased potential for pollutants to affect receiving waters. By characterizing each source on a project level and mitigating the effects, cumulative impacts can be reduced to the maximum extent practicable (MEP). Table 3.1 identifies the anticipated pollutants of concern by priority project category.

3.4.3 Best Management Practice Requirements

As defined in the WPO, each proposed project is required to implement measures to ensure that (1) pollutant discharges and runoff flows from development are reduced to the maximum extent practicable; (2) receiving water quality objectives are not violated throughout the life of the project; and (3) runoff flows from development are managed to reduce erosive forces that may impact surface water beneficial use and/or habitat. The project SWQMP determines the anticipated pollutants associated with the development and mitigates for these impacts with proposed BMPs.

3.4.3.1 BMP Requirements for All Development Projects

The BMP Design Manual established the minimum BMP requirements that are applicable to all development projects, regardless of size or type. These measures include general BMP siting, source control BMPs, and site design BMPs.

3.4.3.2 Additional Requirements for Priority Development Projects

The 2013 MS4 Permit requires that Copermittees impose additional requirements on those projects that are considered Priority Development Projects (PDPs). The definition of a PDP is included in the BMP Design Manual. PDPs are required to comply with structural BMP performance requirements specified in the BMP Design Manual. These additional requirements focus on retention of the 85th percentile storm event. If on-site retention is not feasible, other alternatives are available including partial retention and biofiltration.

PDPs are also required to comply with hydromodification management BMP requirements, as specified in the BMP Design Manual, which address flow duration impacts and critical sediment yield areas.

3.4.3.3 Priority Development Project Exemptions

In some cases, projects can be determined to be exempt from being defined as a PDP. These include sidewalks, bicycle lanes, or trails that direct runoff to adjacent landscaping, are hydraulically disconnected from the street, or are designed and constructed in accordance with USEPA Green Streets guidance. Exemptions may also be provided for street improvements that are designed and constructed in accordance with USEPA Green Streets guidance. Detailed explanations of the exemption criteria are included in the BMP Design Manual.

3.4.3.4 Low Impact Development (LID) Site Design Practices

The WPO has incorporated LID Site Design BMP requirements in Section 67.806 "General Best Management Practice Requirements" to be applicable to all development projects with the potential to add pollutants to stormwater or to affect the flow rate or velocity of stormwater runoff. This requirement defines the general standard for LID Site Design. The more explicit LID Site Design requirements for PDPs have been included in Section 67.810 and 67.811 "Additional Planning, Design and Post-Construction Requirements for Development Projects." The BMP Design Manual includes a discussion of LID Site Design requirements.

3.4.3.5 Maintenance Requirements for Structural BMPs

The WPO establishes the maintenance requirements of BMPs for all existing and new development permanent BMPs. Section 67.812 establishes requirements for maintenance plans, review of plans, easements, proof of mechanism to ensure long-term maintenance, and enforcement. Chapter 7 of the BMP Design Manual provides the specific details related to maintenance responsibility and BMP Maintenance Plans. In addition, the BMP Design Manual lays out several acceptable mechanisms for verifying BMP maintenance, as follows:

- Maintenance Notification;
- Maintenance Agreements; and/or
- New Community Facilities District or other Special District.

The County in its discretion may decline to accept any proposed mechanism for assuring BMP maintenance, repair, or replacement that is not supported by an adequate and reliable source of funds.

3.4.3.6 Updates to BMPs

As new BMP technologies evolve, the County will consider the adoption of BMPs that are used by Caltrans or other agencies and those that have been proven to meet industry standards.

3.4.3.7 Alternative Compliance to Onsite Structural BMP Implementation

The 2013 MS4 Permit allows for each Copermittee to allow Priority Development Projects to participate in an alternative compliance program instead of fully implementing onsite structural BMPs. If the County adopts this program, in order for projects to participate in the program, they must enter into a voluntary agreement with the County and it must be determined that the alternative compliance improvements will have a greater overall water quality benefit than onsite compliance. Use of alternative compliance does not relieve the project of the requirement to provide onsite flow-through treatment control BMPs to treat the portion of the design capture volume that is not retained onsite.

3.4.4 Program Implementation

3.4.4.1 Stormwater Quality Management Plan (SWQMP) Project Review and Approval

Through the implementation of the BMP Design Manual, projects are brought into compliance with the WPO and the 2013 MS4 Permit, as well as the strategies and priorities of the WQIPs. Compliance is accomplished through a series of review processes throughout the County's Land Use Environmental Group (LUEG) Departments and Divisions. The sections below discuss these review processes for private and capital improvement projects. Table 3.2 provides a list of County staff and their associated responsibilities for ensuring implementation of a successful stormwater program.

3.4.4.1.1 Private Development Projects

Table 3.2 - Program Implementation Roles and Responsibilities

Program Implementation Roles and Responsibilities for Development Planning Element		
Program Activity	**Responsible Staff**	**Minimum Frequency**
A. Program Planning and Administration		
Review of BMP Requirements (BMP Design Manual)	▪ PDS Land Development ▪ PDS Project Planning ▪ DPW Watershed Protection	As needed
Review of Implementation Strategies		Annual
B. Facilitation Activities		
Pre-Application and Initial Consultation Meetings	▪ PDS Project Planning Project Managers	As needed
Project Application Intake	▪ PDS Zoning Counter	As needed
PDP SWQMP Review & Approval	▪ PDS Land Development	As needed
Standard SWQMP Review and Approval	▪ PDS Building Plan Check ▪ PDS Land Development	As needed
Review of Project Application / CEQA	▪ PDS Project Planning Project Managers ▪ PDS Land Development	As needed
BMP Maintenance Agreements	▪ PDS Land Development	As needed
Discretionary Permit Approval	▪ Public Hearing Body	As needed
Ministerial Permit Processing and Approval	▪ PDS Building Plan Check ▪ DEH Land Use	As needed

Program Implementation Roles and Responsibilities for Development Planning Element		
Program Activity	**Responsible Staff**	**Minimum Frequency**
Municipal Staff Training	▪ PDS Project Planning ▪ PDS Land Development	Annual
Outreach	▪ PDS Zoning Counter ▪ PDS Project Planning Project Managers ▪ PDS/DPW Websites and PDS Newsletter	As needed
C. Feedback & Verification		
SWQMP Tracking	▪ PDS Building Plan Check ▪ PDS Land Development	As needed
Final SWQMP BMP Verification	▪ PDS Building Inspection Staff ▪ DPW Private Development Construction Inspectors	As needed
Structural BMP Inventory Updates	▪ DPW Watershed Protection	Annual
Certification of Structural BMP O&M	▪ Flood Control (Roads) ▪ Property Owner ▪ Special Districts	Annual
Structural BMP Inspections	▪ DPW Watershed Protection	As needed
Complaint Investigations	▪ DPW Watershed Protection	As needed
Enforcement	▪ DPW Watershed Protection	As needed

To ensure compliance with the 2013 MS4 Permit and WPO, and consistency with the other related County plans (General Plan, WQIPs, JRMP and BMP Design Manual), County staff routinely reviews project inventories, BMP requirements, and implementation strategies associated with the plans. The Department of Public Works (DPW) Watershed Protection Program (WPP) may assist in coordinating with other County staff in PDS and DPW to update and administrate these plans when necessary.

The following sections describe the different activities associated with the facilitation of the project review process, education of stormwater requirements, and BMP implementation.

The County offers pre-application and initial consultation meetings for private projects to assist applicants who anticipate filing a discretionary land use permit application (pre-applications required for large projects such as Tentative Maps and Major Use Permits and optional initial consultations for smaller projects). The purpose of the pre-application and initial consultation meeting is to advise the applicant of potential issues, constraints, and requirements that could be connected with the filing of an application. As part of the pre-application and initial consultation meeting for discretionary projects, GIS tools and preliminary project descriptions are used as part of preliminary assessment of stormwater pollution potential. Applicants will then be advised of filing requirements, general processing timelines, general cost estimates, and the requirements of the WPO as they could affect their project, including the requirement of the preparation of a Stormwater Quality Management Plan.

Private Project Application Intake

Private project applicants will submit all project information to the zoning counter (discretionary) or building counter (ministerial). Application packets vary in size and scope based on the type of project being submitted. However, most discretionary and ministerial projects require the submittal of either a Standard Stormwater Quality Management Plan (Standard SWQMP) or a Priority Development Project Stormwater Quality Management Plan (PDP SWQMP), and projects that require a grading plan must also submit a hydrology/drainage study as explained in the SWQMP section.

Stormwater Quality Management Plan

In accordance with the WPO, the County requires the development of a SWQMP to be submitted with discretionary and ministerial permit applications. Guidance on the preparation of a SWQMP is provided to all applicants.

The purpose of the SWQMP is to mitigate stormwater impacts by identifying effective permanent BMPs for implementation. The SWQMP review process takes into account the project location, receiving water quality, anticipated project impacts and associated pollutants, and mitigation for impacts with the selection of BMPs. The SWQMP provides needed information to address both stormwater and non-stormwater issues. The Preliminary Grading Plan and Preliminary Hydrology/Drainage Study are an integral part of the SWQMP and provide the technical basis for the SWQMP (see below). However, changes and refinements to the SWQMP may be required as technical review of the application and CEQA documentation continues. The SWQMP requires but is not limited to the following elements:

- Water Quality Pollutants of Concern, Treatment Volume Based on Water Quality Design Storm, Site Plans and Adjacent Land Use, and Soil Characteristics;
- Mitigation Measures to protect water quality, Pollution Prevention BMPs (MEP Based), Site Design BMPs, Source Control BMPs, LID BMPs, and Structural Treatment BMPs;
- Mitigation Measures to prevent increases in downstream erosion to MEP, Site Design BMPs, Source Control BMPs, LID BMPs, and Structural Treatment BMPs;
- Any infiltration BMPs proposed for use on site; and
- Agreements, easements, licenses relating to proposed BMP construction, location, maintenance, or changes in drainage character.

Prioritization

The County utilizes two types of stormwater quality management plans based on the project prioritization. Projects are prioritized using the 2013 MS4 Permit definition of “Priority Development Project” in Provision E.3.b.(1) and “Special Considerations for Redevelopment Projects” in Provision E.3.b.(1). Projects that meet either of these definitions must utilize the BMP Design Manual and create a PDP SWQMP for the project. The PDP SWQMP will

establish the construction activity prioritization for inspection and the application of structural BMPs. As part of this process, County staff will review the PDP SWQMP along with the Preliminary Grading Plan and additional hydrologic information submitted with the Project's application package to determine what issues should be further addressed.

A Standard Stormwater Quality Management Plan (Standard SWQMP) is used for all development and redevelopment projects that do not meet the 2013 MS4 Permit definition of Priority Development Project. These projects are regarded as insignificant contributors to post-construction pollutant loading and for projects that are substantially complete or not located in urban areas, such as many of those that come through the Building Permit (ministerial) process. SWQMP completion helps to ensure that effective BMPs are implemented; changes and refinements to the SWQMP may be required as technical review of the application and completion of CEQA documentation continues.

Hydrology/Drainage Study

Project proposals that will involve a grading permit must provide a Preliminary Grading Plan. This Grading Plan must include a Preliminary Hydrology/Drainage Study prepared by a Registered Civil Engineer. In certain instances, a Preliminary Hydrology/Drainage Study may be requested to supplement a SWQMP even though the application does not require a grading permit. Staff will utilize all of these studies to evaluate necessary stormwater requirements, including but not limited to site design, LID, source control, and structural BMPs. The Preliminary Hydrology/Drainage Study must include but is not limited to identification of:

- Pre- and post-construction hydrology onsite and downstream;
- Any potential discharges of stormwater offsite and/or any increased potential for downstream erosion; and
- All structural BMPs required to address stormwater issues in compliance with the WPO and the 2013 MS4 Permit.

SWQMP Tracking

SWQMP tracking is managed in the Accela Automation management software system. This database allows PDP and Standard SWQMPs to be tracked. The database provides the County with the means to track and prioritize a watershed-based inventory.

Review of Project Application

Upon submittal of a private project application, the SWQMP is reviewed for compliance with the WPO, General Plan, WQIPs, and BMP Design Manual by the PDS Land Development Division, and by the PDS Project Planning Project Manager. The SWQMPs for Department of Parks and Recreation (DPR) and DPW Capital Improvement Projects (CIP) are reviewed by WPP. At the discretion of the Department of General Services (DGS), the projects are reviewed by PDS-Land Development and the construction is overseen by DPW PDCI and PDS-Building, For private

projects, DPW staff assists the assigned Project Manager with the technical review of the project application for stormwater compliance. All projects are reviewed using the County's desktop-based GIS application, existing regional land use maps, and other related resources including the prioritization criteria from 2013 MS4 Permit Provision E.3.b.(1) and Provision E.3.b.(2).

CEQA Review

As part of this review, staff will complete CEQA review using an Initial Study – Environmental Checklist Form. Section IX of this checklist includes review questions specific to Hydrology and Water Quality (Attachment 3.1). A complete discussion on determining surface water quality significance under CEQA is covered above in Section 3.3.

Maintenance Agreements

To ensure proper operation and ongoing maintenance of structural BMPs, maintenance notifications or agreements are required. Category 1-type facilities are generally for simple-to-maintain and simple-ownership BMPs that would have a low likelihood for noticeably impacting the receiving water if there was a failure. This notification is registered on title to ensure each subsequent property owner is notified of their responsibility to maintain a structural BMP. A Category 2-type BMP may be more complicated in its ownership or maintenance responsibility and may have a slightly higher risk of impacting the receiving water, if there is a failure. This Agreement is registered on title; has an easement to permit the County to maintain the BMP and money is held for the maintenance of the BMP if it is deemed necessary by the County. Category 3-type BMPs are considered the most risk to the receiving water if there is a failure, so the County takes over the responsibility to maintain and puts in place a mechanism to collect funds for the maintenance. The Maintenance notification and agreement process and procedures is detailed in the County of San Diego's BMP Design Manual.

Conditions of Project Approval

Recommendations from CEQA review and SWQMP that require permanent BMPs for water quality mitigation are then used in formulating conditions of approval for the project. The conditions will typically specify that the requirements of the SWQMP be implemented. The conditions are structured to assure that grading or other activities that could threaten water quality or contribute to contaminated stormwater runoff will not be allowed until all required BMPs and other mitigating actions are included in the SWQMP to the satisfaction of the County.

In addition, if the proposed structural BMPs require long-term maintenance, the applicant will be required to take all necessary measures, to satisfy the County, to assure that ongoing maintenance will occur to prevent water quality pollution. The BMP Design Manual identifies several methods of meeting this requirement which may be accepted by the County.

Final SWQMP BMP Verification (prior to occupancy)

The verification that BMPs have been constructed in compliance with all specifications, plans and permits for all projects subject to the BMP Design Manual occurs upon the completion of the following construction activity:

1. At the end of grading activities; and
2. At the end of building activities.

The County has established Director's Letters of Instruction (DLIs) for transferring privately constructed PDP projects to the Watershed Protection Program for the County's structural BMP maintenance verification inventory (DLI-LD-W), or to the Flood Control District (DLI-LD-S).

3.4.4.1.2 Capital Improvement Projects

Department of Public Works

Program Planning and Administration:

To ensure compliance with the 2013 MS4 Permit and the various County planning documents and ordinances (General Plan, Watershed Protection Ordinance, Grading Ordinance, WQIPs, JRMP, BMP Design Manual), DPW CIP engineering staff reviews these documents and develops project design strategies that conform to the stormwater requirements prescribed. CIP projects typically involve construction activities that disturb soil and generate sediment and possibly other pollutants. Stormwater runoff from CIP project sites is managed to minimize erosion and sediment transport and prevent water quality degradation. Implementation of MS4 permit and CGP requirements begins in the early phases of project development and continues throughout the life of the project. Engineering staff evaluates a project's stormwater management needs for both the construction period and post-construction period with consideration to the project's scope. Staff utilizes a SWQMP Intake Form to help evaluate the project type and to determine if it is a priority or standard development project. Depending on the result, staff will then complete a Standard or PDP SWQMP. The plan conforms to the MS4 and to the Construction General Permit, and describes which stormwater management methodologies and practices are to be utilized for the project. Priority Development Projects require additional hydromodification design considerations and critical course sediment yield area protection. Throughout the project design process, reviews by other County sections are offered at the various stages. DPW CIP staff ensures that the County's Watershed Protection Program and Field Operations staff review the project storm water impacts, if any, and provide input during these times. A CEQA determination is provided by the County's Environmental Services Unit once the project design elements are complete.

Facilitation Activities:

DPW CIP develops project plans, specifications and estimates. Part of the plan set includes a Conceptual Water Pollution Control Plan. This is developed to determine BMP quantities for bidding purposes and also serves as guidance for the selected contractor to develop their own plan

prior to construction. If a project disturbs over an acre of soil, the contractor develops a SWPPP from a template available on the County web site. If the project is under an acre, a basic Water Pollution Control Plan (WPCP) is developed. Projects disturbing over 1 acre of soil are required to acquire a Notice of Intent (NOI) from the Regional Board and must submit project registration documents (PRDs) via the State's SMARTS system. During construction, County staff inspects the project for compliance with the plans and specifications, including stormwater requirements. Inspections are conducted and reports completed. Stormwater training is provided by the contractor on a recurring basis. As needed, Rain Event Action Plans (a.k.a. Weather Triggered Action Plans) are developed and implemented during construction. Water quality sampling is conducted during rain events. Reports are provided to the Regional Board according to the requirements of the Construction General Permit. The Maintenance Acceptance Memorandum (illustrated in attachment of DLI-LD-W) is used to notify WPP to add structural BMPs to their maintenance tracking inventory and to provide the maintaining party maintenance Fact Sheets for the BMP once the project is constructed for their use.

Feedback and Verification:

Feedback and verification are performed in numerous ways. Towards the end of the design process, numerous check lists and transmittals are completed to ensure completion of a variety of tasks. These checklists are necessary to ensure completion of tasks prior to project construction advertisement. For projects disturbing over 1 acre of soil, PRDs are uploaded into the State's SMARTS system and an NOI is acquired. A maintenance plan is developed in conjunction with the maintaining party and maintenance responsibility is identified when construction is complete. On a yearly basis, project data is provided to the Watershed Protection group for their use in reporting to the State.

More detail on the implementation of the MS4 and CGP can be found in DLI ES-N. Detail on transferring structural BMP maintenance responsibilities to the maintaining party can be found in DLI ES-G.

Department of General Services

To ensure compliance with the 2013 MS4 Permit and WPO, and consistency with the other related County plans (General Plan, WQIPs, JRMP and BMP Design Manual), County staff routinely reviews project inventories, BMP requirements, and implementation strategies associated with the plans. The Watershed Protection Program may assist in coordinating meetings with other County staff in DGS to update and administrate these plans when necessary.

The Department of General Services Division has an established internal procedure for design, transfer, and maintenance of structural BMPs installed at DGS-CIP projects. The DGS Project Manager (PM) is responsible for project compliance with the County plans. A licensed engineer will provide the SWQMP and structural BMP requirements in conjunction with the Facilities Operations staff that will accept and maintain all structural BMPs. At conclusion of the project, the structural BMPs will be inspected by the PM, the DGS Inspector, the design engineer, and

Facilities Operations staff. An Acceptance Memorandum is signed and distributed to notify WPP to add structural BMPs to their maintenance tracking inventory and to notify the maintaining party the responsibility for maintaining the structural BMPs has been transferred to them.

Department of Parks and Recreation

When DPR Development initiates a project, DPR uses the BMP Design Manual checklist to determine if the project will require a Standard or PDP SWQMP. Typically, DPR projects do not include impervious surfaces that trigger the impervious surface threshold for a PDP SWQMP. In events where DPR is developing a new project adjacent to an ESA, water body or blue line stream, DPR Development shall consult PDS to determine if a PDP SWQMP is required. The PDP or Standard SWQMP plan form is developed during the project design and incorporated into the construction documents.

When DPR Development identifies that a project requires a PDP SWQMP, DPR contracts out and the consultant provides a plan that DPR reviews for MS4 compliance before implementation. If the plan requires technical expertise for review (i.e., hydromodification), DPR will request DPW WPP staff assistance in reviewing the plans. DPR Development will discuss any proposed permanent BMPs with DPR Operations to identify record keeping and JRMP Annual Reporting and maintenance obligations. Once DPR Operations concurs with the permanent BMPs, DPR Development will oversee the implementation and construction of the permanent BMPs per the major SWQMP. Once constructed, DPR Development will notify DPW WPP of the permanent BMP for the BMP inventory and identify that the construction is complete and DPR Operations is responsible for the ongoing maintenance and reporting, as identified in Section 5.0.

To ensure compliance with the 2013 MS4 Permit and WPO, and consistency with the other related County plans (General Plan, WQIPs, JRMP and BMP Design Manual), County staff routinely reviews project inventories, BMP requirements, and implementation strategies associated with the plans. The Watershed Protection Program may assist in coordinating meetings with other County staff in DPR to update and administrate these plans when necessary.

3.4.4.2 Staff Training

Designated County staff with implementation responsibilities must be trained in accordance with JRMP Section 10.2.

3.4.4.3 Outreach

As part of the facilitation process, education of stormwater management techniques and requirements are ongoing throughout the planning, development, and implementation process. Education targeted to the development and redevelopment community includes direct staff interaction with the public, the development and distribution of informational handouts, and targeted outreach events. In addition, the County continues to use the Project Clean Water website (www.projectcleanwater.org) as an informational resource for the public and permit applicants. Project Clean Water includes templates that can be used by engineers and contractors

to assist with completion of design packages that are compliant with provisions of the 2013 MS4 Permit related to new development and redevelopment.

Interaction with County Staff

Project applicants learn about water quality and stormwater management during initial interface with Zoning Counter staff upon inquiry of the project submittal package. Potential applicants are given a submittal package, which includes the SWQMP pre-intake checklist. Applicants can learn about County codes and ordinances when they attend a pre-application meeting to discuss their preliminary project. Water quality planning assistance typically includes identifying project locations in relation to hydrologic units and ESAs, explaining project requirements, and locating materials for SWQMP completion. Once the applicant has submitted the project package for discretionary review, County staff may meet with the applicant or may request more information regarding the stormwater management techniques for impact mitigation. The PDS Project Manager is available to answer project-related questions regarding water quality impacts.

County Websites

The County provides extensive website resources to assist applicants in complying with new development and redevelopment requirements. Links to stormwater information related to new development and redevelopment is located on both the PDS and DPW web sites. Links to grading plan guidelines, hydrology and water quality information are located on the PDS website at the following URL: http://www.sandiegocounty.gov/content/sdc/pds/LandDevelopment.html

The DPW's website is located at the following URL:
http://www.sdcounty.ca.gov/dpw/watersheds.html

The DPW website contains links to numerous resources, including Standard and PDP SWQMP Forms, Preliminary Hydrology/Drainage Study Guidelines, a BMP Design Manual Process Flow Chart, and an 85th Percentile Precipitation Map.

Downloadable documents are one example of the County's website resources. The WQIPs, WPO, Groundwater Ordinance, the BMP Design Manual, LID Handbook, and SWQMP formats are good examples of the downloadable documents.

Training and Outreach Events

The County provides and participates in outreach and education events for local industries and associations. Stormwater-related training seminars and workshops are commonly held throughout the permit cycle for the land development industry targeting planners, engineers, contractors, plan-checkers, and developers.

3.5 STRUCTURAL BMPS

3.5.1 Structural BMP Inventory

The structural BMP inventory will track all approved and verified structural BMPs on Priority Development Project sites from December 2002 to present. Structural BMPs will be added to the inventory as they are verified at the end of the construction phase as a condition prior to occupancy. The inventory will be watershed based and include the following minimum information:

- Priority Development Project location (address and hydrologic subarea);
- Descriptions of structural BMP type(s);
- Designation of priority;
- Date(s) of construction;
- Party responsible for structural BMP maintenance;
- Dates and findings of structural BMP maintenance verifications;
- Name of person performing inspection;
- If a Self-Verification Document (SVD) was used; and
- Corrective actions and/or resolutions, when applicable.

The inventory will be updated at least annually.

3.5.2 Structural BMP Prioritization

The prioritization of approved structural BMP projects is generally based on the type of structural BMP. Typically, a site that has a hydrodynamic separator or an extended detention basin is classified as a high inspection priority site. A site that has an infiltration trench, permeable pavement or drainage inserts is generally classified as medium, and a site that only has biofilters (swales, strips) would generally be a low inspection priority site. However, many other factors are taken into consideration when determining the priority, such as structural BMP size and number, recommended maintenance frequency, likelihood of operational and maintenance issues, location, receiving water quality, WQIP priorities, compliance record, and other pertinent issues to the site. Additionally, if the structural BMP is designed to directly drain to an Environmentally Sensitive Area or CWA 303(d) impaired waterbody (with or without a TMDL), the site may be re-prioritized upwards. Re-prioritization of any structural BMP may occur periodically upon assessment and determination that any of the factors used to select the initial priority has changed. For instance, if a site has poor compliance history, the site may be re-prioritized upwards.

3.5.3 Structural BMP Maintenance Verifications

3.5.3.1 Private Structural BMP (Low Priority)

For sites that are low priority, the Responsible Party (homeowner, developer, HOA, etc.) will be required to submit an SVD (Attachment 3.2) confirming that the low priority structural BMP has been maintained (inspected, cleaned, repaired, etc.) or submit to an inspection. The SVD must be submitted to the County DPW WPP for review and approval. This Low Priority SVD consists of a signed certification checklist verifying that the responsible party information is correct and that the maintenance has been performed.

Any complaints regarding low priority structural BMPs will also initiate an investigation and inspection.

3.5.3.2 Private Structural BMP (Medium Priority)

At a minimum, each private Responsible Party will be required to submit to the DPW WPP, an SVD confirming that the medium priority structural BMP has been maintained or submit to an inspection. The Medium Priority SVD (Attachment 3.2) consists of a signed form and supporting documentation such as copies of the service invoices and photographic documentation (before-and-after pictures). Maintenance logs will be kept onsite and made available for review by the County inspector. Moreover, any complaints regarding medium priority structural BMPs will also initiate an investigation and inspection.

3.5.3.3 Private Structural BMP (High Priority)

All sites with high priority structural BMPs will be inspected by County staff each year prior to October 1st.

3.5.3.4 County Special District Structural BMP Maintenance Verification (Category 3)

For private structural BMPs maintained by the County, the division responsible for maintaining the structural BMP maintains documentation that illustrates the approved structural BMP has routinely been inspected and maintained as necessary.

3.5.3.5 County Municipal Facilities Structural BMPs Category 4 (High, Medium, Low)

The County division responsible for maintaining structural BMPs maintains documentation indicating that the approved structural BMP has been inspected and maintained as necessary.

3.5.4 Structural BMP Inspection and Oversight

3.5.4.1 Compliance Inspections

As required by the 2013 MS4 Permit, the County inspects annually 100 percent of the structural BMPs designated as high priority. In addition, the County inspects a minimum of 20 percent of the total number of sites with approved structural BMPs.

Category 3 and 4 inspections must be conducted by County staff as part of the routine maintenance of the structural BMPs. Staff will follow standardized inspection procedures and complete appropriate documentation.

3.5.4.2 Enforcement

Please refer to the Enforcement Response Plan for details regarding enforcement of structural BMPs.

3.5.4.3 Funding

Proposed funding mechanisms for Category 3 and 4 maintenance activities are described in the BMP Design Manual.

Section 3 Attachments

Attachment 3.1:	CEQA Initial Study-Environmental Checklist Form for Hydrology and Water Quality
Attachment 3.2:	Self-Verification Documents

Attachment 3.1 – CEQA – Initial Study Environmental Checklist Form

Attachment 3.1

CEQA – Initial Study Environmental Checklist Form

IX. HYDROLOGY AND WATER QUALITY – Would the project:

a) Violate any water quality standards or waste discharge requirements?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

b) Is the project tributary to an already impaired water body, as listed on the Clean Water Act Section 303(d) list? If so, could the project result in an increase in any pollutant for which the water body is already impaired?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

c) Could the proposed project cause or contribute to an exceedance of applicable surface or groundwater receiving water quality objectives or degradation of beneficial uses?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

d) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

e) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

f) Substantially alter the existing drainage pattern of the site or area, including through the alteration or the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

g) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

h) Provide substantial additional sources of polluted runoff?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

i) Otherwise substantially degrade water quality?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

j) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

k) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

l) Expose people or structures to a significant risk of loss, injury or death involving flooding?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

m) Expose people or structures to a significant risk of loss, injury or death involving flooding as a result of the failure of a levee or dam?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

n) Inundation by seiche, tsunami, or mudflow?

- ☐ Potentially Significant Impact
- ☐ Less than Significant Impact
- ☐ Less than Significant with Mitigation Incorporated
- ☐ No Impact

Discussion/Explanation:

Attachment 3.2 – Self Verification Documents

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

BIOFILTERS

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____
Number Street Name & Suffix City/Zip

☐ *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to: *County of San Diego Watershed Protection Program*
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

BIOFILTERS – SIDE 2

The following list of typical maintenance indicators and maintenance activities for biofilters is provided for your reference.

Biofilter BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	**Typical Maintenance Actions**
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials, without damage to the vegetation.
Poor vegetation establishment	Re-seed, re-establish vegetation.
Overgrown vegetation	Mow or trim as appropriate, but not less than the design height of the vegetation (typically 4-6 inches for grass).
Erosion due to concentrated irrigation flow	Repair/re-seed eroded areas and adjust the irrigation system.
Erosion due to concentrated stormwater runoff flow	Repair/re-seed eroded areas and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or re-grading where necessary.
Standing water (BMP not draining)	Make appropriate corrective measures such as adjusting irrigation system, removing obstructions of debris or invasive vegetation, clearing underdrains (where applicable), or repairing/replacing compacted soils.
Obstructed inlet or outlet structure	Clear obstructions.
Damage to structural components such as weirs, inlet, or outlet structures	Repair or replace as applicable.

Signature of Responsible Party **Print Name** **Date**

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

INFILTRATION SYSTEM

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____
Number Street Name & Suffix City/Zip

☐ *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to: *County of San Diego Watershed Protection Program*
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

INFILTRATION – SIDE 2

The following list of typical maintenance indicators and maintenance activities for infiltration BMPs is provided for your reference. There are many types of infiltration BMPs including basins that store storm water runoff in above-ground ponding areas until it infiltrates into the surrounding soils, and gravel-filled trenches or wells that store storm water runoff in the gravel reservoir until it infiltrates into the surrounding soils. This BMP category also includes permeable paving areas that store storm water runoff in a gravel reservoir under the permeable paving surface.

Infiltration BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	**Typical Maintenance Actions**
Accumulation of sediment, litter, or debris in infiltration basin, pre-treatment device, or on surface of porous pavement, as applicable	Remove and properly dispose of accumulated materials.
Standing water in infiltration basin	Remove and replace clogged surface soils.
Standing water in infiltration trench, dry well, or subsurface reservoir bed	Flush fine sediment from gravel storage area.
Standing water in permeable paving area	Flush fine sediment from paving and subsurface gravel.
Damage to permeable paving surface resulting in reduced storm water intake capacity	Repair or replace damaged surface as appropriate.

When inspection or maintenance indicates sediment is accumulating in an infiltration BMP, the watershed draining to the infiltration BMP should be examined to determine the source of the sediment, and corrective measures should be made as applicable to minimize the sediment supply.

Signature of Responsible Party **Print Name** **Date**

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

HYDRODYNAMIC SEPARATORS

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____
Number Street Name & Suffix City/Zip

☐ *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to: *County of San Diego Watershed Protection Program*
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

HYDRODYNAMIC SEPARATORS – SIDE 2

The following list of typical maintenance indicators and maintenance activities for hydrodynamic separators is provided for your reference.

Hydrodynamic Separator BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	**Typical Maintenance Actions**
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials.
Accumulation of floating oil and grease	Remove and properly dispose of oil and grease.
Spent or clogged sorbent material or media pack	Remove and properly dispose of sorbent material or media pack, and replace with fresh material. These materials/media are potentially hazardous and must be handled by a properly trained contractor.
Damage to components of the hydrodynamic separator	Repair or replace as applicable.

Maintenance of hydrodynamic separators involves handling of potentially hazardous material (oil and/or oil sorbent material), which requires special disposal. Additionally, maintenance may involve entry into the hydrodynamic separator underground. Therefore the maintenance operator must be trained in handling and disposal of hazardous waste, and must also be certified for confined space entry if the maintenance will require entry into the hydrodynamic separator. Therefore it is recommended that private BMP owners obtain a maintenance contract with a qualified contractor to provide inspection and maintenance. There are several storm drain cleaning service providers who are able to inspect and/or maintain hydrodynamic separators. Contact the manufacturer of the hydrodynamic separator to find qualified service providers.

Signature of Responsible Party **Print Name** **Date**

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM
FILTRATION DEVICES

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____

Number Street Name & Suffix City/Zip

☐ *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to: *County of San Diego Watershed Protection Program*
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

FILTRATION – SIDE 2

The following list of typical maintenance indicators and maintenance activities for filtration BMPs is provided for your reference.

Filtration BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	**Typical Maintenance Actions**
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials.
Accumulation of floating oil and grease	Remove and properly dispose of oil and grease.
Clogged filter media	Remove and properly dispose of filter media, and replace with fresh media.
Damage to components of the filtration system	Repair or replace as applicable.

Maintenance of filtration BMPs involves handling of potentially hazardous material (oil and/or oil sorbent material), which requires special disposal. Additionally, maintenance may involve entry into the filtration BMP underground. Therefore the maintenance operator must be trained in handling and disposal of hazardous waste, and must also be certified for confined space entry if the maintenance will require entry into the filtration BMP. Therefore it is recommended that private BMP owners obtain a maintenance contract with a qualified contractor to provide inspection and maintenance. There are several storm drain cleaning service providers who are able to inspect and/or maintain filtration BMPs. Contact the manufacturer of the filtration system to find qualified service providers.

Signature of Responsible Party **Print Name** **Date**

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM
DRAINAGE INSERTS

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____

Number Street Name & Suffix City/Zip

O *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to:

County of San Diego Watershed Protection Program
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM
DRAINAGE INSERTS- SIDE 2

The following list of typical maintenance indicators and maintenance activities for drainage inserts is provided for your reference.

Drainage Insert BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	**Typical Maintenance Actions**
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials.
Spent or clogged sorbent material or media pack	Remove and properly dispose of sorbent material or media pack, and replace with fresh material. These materials/media are potentially hazardous and must be handled by a properly trained contractor.
Damage to components of the drainage insert	Repair or replace as applicable.

Maintenance of drainage inserts involves handling of potentially hazardous material (oil sorbent material), which requires special disposal. Additionally, maintenance may involve entry into the storm drain inlet underground. Therefore the maintenance operator must be trained in handling and disposal of hazardous waste, and must also be certified for confined space entry if the maintenance will require entry into the storm drain inlet. Therefore it is recommended that private BMP owners obtain a maintenance contract with a qualified contractor to provide inspection and maintenance. There are several storm drain cleaning service providers who are able to inspect and/or maintain drainage inserts. Contact the manufacturer of the drainage insert to find qualified service providers.

Signature of Responsible Party **Print Name** **Date**

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

DETENTION SYSTEM

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____
Number Street Name & Suffix City/Zip

☐ *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to: *County of San Diego Watershed Protection Program*
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

DETENTION – SIDE 2

The following list of typical maintenance indicators and maintenance activities for detention basins is provided for your reference.

Detention BMPs Inspection and Maintenance Checklist	
Typical Maintenance Indicators	**Typical Maintenance Actions**
Poor vegetation establishment	Re-seed, re-establish vegetation.
Overgrown vegetation	Mow or trim as appropriate.
Erosion due to concentrated irrigation flow	Repair/re-seed eroded areas and adjust the irrigation system.
Erosion due to concentrated stormwater runoff flow	Repair/re-seed eroded areas and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or re-grading where necessary.
Gopher holes	Repair/re-seed holes and make appropriate corrective measures to prevent rodent activity.
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials, without damage to the vegetation.
Standing water (BMP not draining)	Make appropriate corrective measures such as adjusting irrigation system, removing obstructions of debris or invasive vegetation, or re-grading for proper drainage.
Obstructed inlet or outlet structure	Clear obstructions.
Damage to structural components such as weirs, inlet, or outlet structures	Repair or replace as applicable.

Signature of Responsible Party **Print Name** **Date**

4.0 CONSTRUCTION COMPONENT 1

4.1 Introduction 1

4.2 Site Inventory 1
4.2.1 Private Development Projects and Capital Improvement Program Projects 2
4.2.2 Exempt Projects 2
4.2.3 Inventory Updates 3
4.2.4 Threat to Water Quality Prioritization 3

4.3 Ordinance Updates 4
4.3.1 Watershed Protection Ordinance 4
4.3.2 Grading Ordinance 5

4.4 Best Management Practice Requirements 5
4.4.1 Updated BMP Requirements 6
4.4.2 Maximum Disturbed Area for Erosion Controls 7

4.5 Program Implementation 7
4.5.1 Private Development 7
4.5.2 Capital Improvement Program (CIP) 13

Table 4.1- Definitions of Prioritization Criteria 4
Table 4.2 - Department of Public Works, PDCI Inspection Frequencies 12
Table 4.3 - PDS Building Inspection Frequencies 12
Table 4.4 - Department of Public Works, Capital Improvement Program Projects, Construction Inspection Frequencies 17
Table 4.5 - Department of Parks and Recreation, Capital Improvement Program Projects, Construction Inspection Frequencies 17
Table 4.6 - Department of General Services, Capital Improvement Program Projects, Construction Inspection Frequencies 18

Attachment 4.1: Construction Site BMPs for Typical Construction Activities

4.0 CONSTRUCTION COMPONENT

4.1 INTRODUCTION

The County of San Diego (County) has initiated a construction conditioning process to prevent discharges of pollutants and non-stormwater discharges from construction sites. Construction activities, such as mass grading, clearing, and grubbing, remove the vegetation and disrupt the soil surfaces. This disruption leaves the soil susceptible to erosion from rainfall, wind, or excessive or improper water use. Grading and clearing activities cause rain to run off a project site at higher velocities than a site with natural vegetation. This excess sediment is considered a pollutant because it is detrimental to aquatic life as it interferes with photosynthesis, respiration, growth and reproduction. The construction conditioning process requires that any person submitting a grading permit application must document that appropriate construction Best Management Practices (BMPs) will be used to prevent stormwater pollution from their project site. Depending upon the size of the proposed project, either of the following two documents must be submitted with the initial grading permit application: 1) Notice of Intent (NOI) for the California General Permit for Construction Activities (CGP) with erosion and sediment control plan; or 2) a Stormwater Quality Management Plan (SWQMP). The following sections provide a description of the County's processes for preventing construction associated discharges from entering into surface waters. In addition to the processes identified in this section, the watershed-based Water Quality Improvement Plans (WQIPs) may also include content to be considered in modifying or updating requirements or approaches for construction-related discharge within applicable Watershed Management Areas.

4.2 SITE INVENTORY

The County maintains multiple databases of construction sites within each department. When these inventories are combined, they represent all private and public construction projects that allow ground disturbance or soil-disturbing activities that can potentially generate pollutants in stormwater runoff. The following departments inventory construction projects:

- Planning & Development Services (PDS)-Building Division
- Department of Public Works (DPW)-Private Development Construction Inspection (PDCI)
- DPW-Capital Improvement Program (CIP)
- Department of Parks and Recreation (DPR)-CIP
- Department of General Services (DGS)-CIP

The inventories are watershed based and contain the following minimum information:

- The name, address, phone number and email for the owner and person performing the work;
- Basic site information including address, hydrologic subarea, Waste Discharge Identification (WDID) number (if applicable), size of the site, and approximate area of disturbance;
- Whether or not the site is considered a high Threat to Water Quality;
- Project start and completion dates;
- Required inspection frequency;

- Date the County accepted the plan describing the pollution control strategies
    - Private projects - Standard SWQMP or Priority Development Project (PDP) SWQMP, along with an erosion control plan
    - CIP projects – Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Plan (WPCP)
- Whether or not there are ongoing enforcement actions administered to the site

4.2.1 Private Development Projects and Capital Improvement Program Projects

Private construction inventories are maintained and managed in the Accela Automation™ management software system. CIP project inventories are maintained and managed in different departmental databases.

The inventory lists for private development projects and CIP projects include:

- Project name;
- Relevant contact information for each site;
- Basic site information including location (address and hydrologic subarea), WDID number (if applicable), size of the site, and approximate area of disturbance;
- Whether or not the site is considered a high Threat to Water Quality;
- Priority rating for each project;
- Project start and completion dates;
- The required inspection frequency;
- The date the County accepted the Pollution Control Plan, Construction BMP Plan, and/or Erosion and Sediment Control Plan; and
- Whether or not there are ongoing enforcement actions administered to the site.

It is important to note that site inventories are dynamic as projects are constantly opening and closing.

4.2.2 Exempt Projects

All project proponents are responsible for preventing construction-related materials, wastes, spills, or residues from entering stormwater conveyance systems.

However, the following project types are exempt from construction stormwater BMP implementation and documentation requirements if the project involves minimal or no soil disturbance, and is associated with:

- Interior remodeling;
- Mechanical permit work;
- Electrical permit work;

- Plumbing permit work;
- Tenant improvements;
- Sea cargo containers;
- Changes of use within an existing building;
- Temporary mobile home and trailer permits;
- Minor permits accessory to an existing building where monitoring of stormwater management will occur in conjunction with scheduled building inspections, including additions of 500 square feet or less, sheds, swimming pools, patio covers, decks, carports, retaining walls, signs, and solar photovoltaic; and
- Emergency construction activities required for immediate protection of public health and safety.

4.2.3 Inventory Updates

In accordance with the 2013 MS4 Permit Provision E.4.(b), all private construction project inventories must be updated at least quarterly. Private project databases are updated continuously as new permits are issued. Permits are assigned priorities and watershed designations at the time of issuance. These are entered into an Accela Automation™ database management software system, effectively adding each project to the stormwater inventory for its respective department.

CIP construction inventories are maintained and managed in databases within their respective departments. They are updated on a quarterly basis. At the time of project entry into the inventory, a site priority is assigned and a watershed designation is determined using the County's on-line GIS tool that is cross-referenced to the Accela Automation™ database management software system with parcel information.

4.2.4 Threat to Water Quality Prioritization

In order to prioritize construction site inspections, all sites that represent a high Threat to Water Quality (TTWQ) must be identified. A high TTWQ designation is determined based on the discretion of the County after consideration of a number of factors. These factors are:

- Sites located within a hydrologic subarea where sediment is known or suspected to contribute to the highest priority water quality conditions identified in the Water Quality Improvement Plan (WQIP). Mission Bay Watershed Management Area (WMA) and Tijuana River WMA are both currently considered to have hydrologic subareas in which sediment is among the highest priority pollutants;
- Sites located within the same hydrologic subarea and tributary to a waterbody segment listed as impaired for sediment on the Clean Water Act (CWA) section 303(d) list;

- Sites located within, or located within 200 feet or less of, or discharging directly to a receiving water within an environmentally sensitive area (ESA);
- Sites determined by the County of San Diego or Regional Water Quality Control Board (Regional Board) as a high TTWQ; and
- Any other factor, site characteristic, or aspect of the project scope pertinent to evaluating the project's sediment discharge risk or receiving water risk. These factors would typically include the project disturbance area, topography, soil characteristics, and seasonal rain potential (i.e., wet season, dry season), among others.

Table 4.1- Definitions of Prioritization Criteria

A project is:	If it meets these criteria:
Tributary to a sediment impaired CWA 303(d) Waterbody	The project is located within a watershed listed as 303(d) impaired for sediment ▪ Carlsbad Watershed, sub-basin 904.21; or ▪ Carlsbad Watershed, sub-basin 904.61; or ▪ Penasquitos Watershed, sub-basin 906.10; or ▪ Tijuana Watershed, sub-basin 911.11; or ▪ Other updated Watershed(s) on the EPA CWA 303(d) list. http://www.swrcb.ca.gov/sandiego/water_issues/programs/303d_list/index.shtml
In, or adjacent to, an Environmentally Sensitive Area (ESA)	The project is located within 200 feet of lands or receiving waters designated as any of the following: ▪ RARE beneficial use; or ▪ Areas of Significant Biological Significance (ASBS); or ▪ Multiple Species Conservation Program (MSCP) preserve elements
In a WQIP sediment is the Highest Priority Water Quality Condition(s)	The project is located within a hydrologic subarea where sediment is known or suspected to contribute to the Highest Priority Water Quality Condition(s) in the WQIP.

4.3 ORDINANCE UPDATES

4.3.1 Watershed Protection Ordinance

The *Watershed Protection, Stormwater Management and Discharge Control Ordinance* (commonly referred to as the Watershed Protection Ordinance (WPO)) was initially adopted on February 1, 2002 as Ordinance Number 9426 and amended on March 12, 2008, to reflect the requirements of the 2007 MS4 Permit. The WPO was amended on June 12, 2015 to reflect the new requirements of the 2013 MS4 Permit. The following are the major changes made in the 2015 amendment related to construction activities:

- Updated the list of construction BMPs that must be implemented on all construction sites.
- Refined the definition of pollutant control strategies to be implemented at construction sites consistent with the 2013 MS4 Permit.

4.3.2 Grading Ordinance

The *San Diego County Grading, Clearing and Watercourses Ordinance* (commonly referred to as the Grading Ordinance) was adopted on May 9, 2003 as Ordinance Number 9547. The Grading Ordinance requires the implementation of temporary and/or permanent erosion controls for both minor and major grading activities.

The County amended the Grading Ordinance on March 12, 2008, to reflect changes to the requirements specified in Section D.2.c.(1)(a)vi of the 2007 MS4 Permit. Section 87.414 of the Regulatory Code was amended to define what an "active disturbed soil area" is and prescribe the maximum area that can be active at one time.

Disturbed soil areas are considered "active" whenever soil disturbing activities have occurred, continue to occur, or will occur during the ensuing 14 days. Non-active areas must be protected within 14 days of the cessation of soil disturbing activities or prior to the onset of precipitation (50 percent chance of ½ inch or more of rain), whichever occurs first.

The active disturbed soil area of the project site may not be more than 50 acres for an individual grading permit or a combination of grading permits under the Tentative or Final Map. The County may approve, on a case-by-case basis, expansions of the active disturbed soil area limit. Soil stabilization and sediment control materials shall be maintained onsite sufficient (125 percent of those required) to protect the disturbed soil area.

4.4 BEST MANAGEMENT PRACTICE REQUIREMENTS

All construction sites determined to be a land disturbance activity, as defined in the WPO, are required to meet General BMP Requirements (see Attachment 2.2, Section 67.806) and the Additional BMP Requirements for Construction Projects (Section 67.809).

BMP requirements are applicable to both private and CIP construction projects. Specific BMPs are determined on a case-by-case basis considering applicable BMP performance standards, site constraints and characteristics, and stormwater control needs. Attachment 4.1 provides a matrix of the construction site BMPs that are accepted by the County for use during construction activities. These practices are consistent with the BMPs and control practices required under the CGP. Detailed descriptions and guidance regarding implementation of these BMPs are provided in the latest editions of the Caltrans Stormwater Quality Practice Guidelines, Construction Site BMPs Manual, and the California Stormwater Quality Association (CASQA) Construction Handbook. If particular BMPs are infeasible at any specific site, the County will implement, or require the implementation of, other equivalent BMPs. The County will also implement or require any additional site-specific BMPs as necessary to comply with the 2013 MS4 Permit, including BMPs which are more stringent than those required under the CGP.

4.4.1 Updated BMP Requirements

Section 67.806 (Attachment 2.2) of the WPO includes the list of general BMP requirements applicable to all dischargers. Section 67.809 (Attachment 2.2) of the WPO includes the list of additional BMPs to be implemented and maintained for construction projects.

4.4.1.1 Minimum BMP Requirements

Because of the ever-present threat of sediment discharge on active construction sites, certain pollution control practices must be implemented year-round. At a minimum, the County has determined the following pollution control practices be adequately implemented and maintained year-round on all non-exempt projects:

- Project Planning;
- Good Site Management "Housekeeping," including waste management;
- Non-stormwater Management;
- Erosion Control;
- Sediment Control;
- Run-on and Run-off Control;
- Active/Passive Sediment Treatment Systems, where applicable; and
- Any other construction BMPs suggested by the applicable WQIP and deemed to be effective at controlling erosion and sedimentation.

Disturbed soil areas shall be considered active whenever the soil disturbing activities have occurred, continue to occur, or will occur during the ensuing 14 days. Non-active areas shall be protected within 14 days of cessation of soil disturbing activities or prior to the onset of precipitation, whichever occurs first.

4.4.1.2 Dry Season BMP Implementation Option

During the non-rainy season from May 1 through September 30, the developer may opt to employ "weather triggered" action plans (a.k.a. Rain Event Action Plan or REAP) in lieu of fully deployed BMPs, although this does not relieve the Developer from this obligation to provide some year-round measures as required by the CGP. When the Developer opts to employ a "weather triggered" action plan, it must be approved by the inspector and have the ability to deploy standby BMPs as needed to completely protect the exposed portion of the project site within 48 hours of a predicted storm event. As required by the CGP, slope stabilization is required on all active slopes during rain events regardless of season. Grading must correlate to the dry weather season to the extent feasible. At a minimum, the "weather triggered" action plan must include water pollution control drawings (WPCDs) that illustrate the locations, applications, inspection frequency, staff availability, and deployment of the BMPs proposed.

If a "weather triggered" action plan is used, the developer is required to monitor the weather on a daily basis using the National Weather Service weather forecast. If precipitation is predicted (50 percent chance of ½ inch or more of rain), the necessary water pollution control practices must be deployed

within 48 hours and prior to the onset of the precipitation. A minimum of 125 percent of the material needed to install weather-triggered BMPs necessary to completely protect the exposed portions of the site from erosion, and to prevent sediment discharges, must be stored onsite. Areas that have already been protected from erosion using physical stabilization or established vegetation stabilization BMPs as determined by the County are not considered to be "exposed" for purposes of this requirement. Developers must ensure physical stabilization erosion control is implemented for all unplanted finished slopes.

4.4.1.3 Wet Season BMP Implementation Requirements

Implementation of required soil stabilization and sediment control practices for non-active disturbed soil areas must be fully deployed prior to the beginning of each rainy season. All exposed disturbed areas including all flat areas and slopes must have soil stabilization and sediment control practices properly installed during rain events regardless of the season. Construction activities beginning during the rainy season must implement applicable soil stabilization and sediment control practices.

As new technologies evolve, the County will consider the adoption of BMPs that are used by Caltrans or other agencies and those that have been proven to meet industry standards. Project and site conditions may allow implementation of enhanced temporary construction pollution management practices that go beyond those set forth in Attachment 4.2. The County will accept the temporary use of these BMPs as long as it is approved by the DPW Watershed Protection Program. The County expects that the temporary construction management practices identified herein will continue to evolve and improve in their effectiveness in managing the quality of stormwater discharges.

4.4.2 Maximum Disturbed Area for Erosion Controls

The County has defined in Section 87.414 of the Grading Ordinance that the active disturbed soil area of a project site shall be no more than 50 acres for individual grading permits, improvement plans, or combinations of grading permits under associated Tentative or Final Maps, unless otherwise approved by the County. A minimum of 125 percent of the required stormwater BMP materials shall be maintained onsite to protect the disturbed soil area.

4.5 PROGRAM IMPLEMENTATION

4.5.1 Private Development

WPO and 2013 MS4 Permit compliance for private construction are accomplished through a series of review processes throughout the County's Land Use Environmental Group (LUEG) Departments and Divisions. The following section provides a description of County staff and their associated responsibility for ensuring implementation of a successful stormwater program.

4.5.1.1 Program Planning and Administration

To ensure compliance with the 2013 MS4 Permit, WPO, and implementation plans, County staff routinely reviews project inventories, BMP requirements, and implementation strategies associated with

the plan. The Watershed Protection Program may assist in coordinating meetings with other County staff in PDS and DPW to update and administrate these plans when necessary.

4.5.1.1.1 *Staff training*

Designated County staff with implementation responsibilities must be trained in accordance with JRMP Section 7.2.

4.5.1.2 Facilitation Activities

The following sections describe the different activities associated with the facilitation of the project review process, education of stormwater requirements, and BMP implementation.

4.5.1.2.1 *Private Construction and Grading Permit Approval Process*

PDS Building Division

The PDS Building Division is responsible for the issuance of permits for structural construction and minor grading permits with earthwork of less than 2,500 cubic yards and meeting other criteria specified in the Grading Ordinance. For all projects, applicants are required to submit a SWQMP. Permits for track housing and commercial developments are all subject to the BMP Design Manual process described in the Land Use Planning Component. Construction BMPs for these permit types are discretionary. All other permit types are ministerial and thus the project must comply with the Standard SWQMP. The construction BMPs are selected as part of the Standard SWQMP. A permit is not approved without an approved Standard SWQMP.

PDS Land Development Division

The PDS Land Development Division is responsible for issuance of major and minor grading permits not meeting the criteria for issuance by the PDS Building Division. These grading permits must comply with the BMP Design Manual and WPO requirements. The grading plan usually shows all construction BMPs.

All Grading Permit applications require a SWQMP. Plan check staff review the construction BMPs using all applicable guidance documents. When applicable, staff requires proof of an NOI to comply with the CGP.

Grading Permits are issued once the plans and/or conditions are satisfied. Permits are usually processed by the PDS Customer Service Counter and approved by the PDS Project Manager.

Statewide Construction General Permit (CGP)

Construction activities which disturb one or more acres of soil or projects that disturb less than 1 acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the CGP. The CGP requires the development and implementation of a SWPPP. The SWPPP should contain a site map(s) which shows the construction site perimeter, existing and proposed buildings, lots, roadways, stormwater collection and discharge points, general topography both before and after construction, and drainage patterns across the project. The SWPPP must list the BMPs the discharger will use to protect stormwater runoff and the placement of those BMPs. Additionally, the SWPPP must contain a visual monitoring program; a chemical monitoring program for "non-visible" pollutants to be implemented if there is a failure of BMPs; and a sediment monitoring plan if the site

discharges directly to a waterbody listed on the 303(d) list for sediment. The SWPPP must include documentation of training for field implementation personnel, sampling protocol (if applicable), and Rain Event Action Plans (REAPs) (if applicable).

The County's operational processes are intended to generally relate to the CGP in 2 ways:

1. For DPW Projects – achieve compliance for applicable projects through submittal of project registration documents, creation and implementation of a project SWPPP, and through implementation of construction site monitoring.
2. For private projects – screen projects through the plan-check and inspection processes to identify projects potentially subject to CGP requirements, and confirm, when applicable, that CGP coverage has been obtained.

4.5.1.2.2 Inspection of Construction Sites - Overview

The County inspection program for private development sites reviews projects for compliance with applicable ordinances, permits (building, grading, stormwater, etc.) and the 2013 MS4 Permit by assuring that all conditions related to grading, erosion control, stormwater BMPs, and discharges from the site are met. Inspections are conducted to ensure that property owners and developers implement an effective combination of BMPs to meet minimum requirements based upon the site's TTWQ prioritization.

Stormwater management and inspection requirements specific to developer and single-family grading permits and other construction activities under the oversight of the DPW are detailed in a Director's Letter of Instruction: Stormwater Management and Requirements on Developer and Single Family Grading Permits – Construction Best Management Practices (DLI-LD-I).

In general, private construction projects are regularly inspected by the Supervising Engineer, County inspectors, or other County contract staff with enforcement authority to verify that the construction activities are being performed in accordance with the project plans, building and grading permits, and applicable codes, special provisions, regulations, and ordinances. If the inspected site does not meet minimum requirements or there is a discharge related to construction activities, County inspectors will require compliance and conduct follow-up inspections as necessary to confirm that compliance is attained. Additional inspections will be conducted as project scope dictates the need for modified or additional BMPs. For each inspection, the inspector utilizes the following framework when conducting an inspection:

a. Review the applicable BMP plan (either a SWPPP, Standard SWQMP, or PDP SWQMP);
b. Determine if BMPs are being deployed in accordance with manufacturers' recommendations, industry recommended standards, and approved plans;
c. Determine whether BMPs are being effectively implemented and properly maintained;
d. Document any non-stormwater discharges or potential illicit connections;
e. Document any discharge of sediment or construction-related materials from the site;

f. Determine whether the responsible party is making appropriate adjustments when ineffective BMPs are found; and

g. If BMPs are either lacking or being implemented improperly, require remediation within a reasonable time frame and implementation of corrective actions if necessary in accordance with the Enforcement Response Plan (ERP).

For projects subject to the CGP, the Regional Board is responsible for verifying and enforcing requirements of the CGP. When County inspections are conducted at sites covered by the CGP, the inspector will document the presence of a SWPPP, review required documentation, note any observations of potential violations, and require appropriate remedial actions as necessary to ensure compliance with the 2013 MS4 Permit. The County will notify the Regional Board of the noncompliance in accordance with the 2013 MS4 Permit Provision E.6.d. and Attachment B if the noncompliance poses a significant threat to water quality or may endanger health or the environment. Procedures for escalated enforcement of construction site discharge standards found within the County's ERP provide examples of non-compliant conditions that constitute such a threat.

PDCI Inspection Process

The inspection process is broken into three distinct phases of BMP verification and implementation:

1. Initial inspection prior to grading;
2. Inspections during ongoing and rough grading; and
3. Inspection at the completion of grading activity.

Each of these phases ensures that proper BMPs are implemented on the project site prior to allowing the construction activity to proceed or to verify completion.

The initial stormwater BMP inspection occurs after the area to be graded is brushed or cleared, but prior to the start of grading operations. During this inspection, each inspector verifies that the BMPs previously designated during the design phase are being implemented appropriately. At a minimum, each site must have perimeter sediment controls and offsite/onsite sediment controls, all needed BMP materials onsite if utilizing a weather-triggered action plan, and fencing installed along or around any environmentally sensitive areas, if required.

During the ongoing and rough grading inspections, inspectors review and verify that all items from the initial BMP inspection are still in place, that erosion control BMPs are installed as soon as the finished slopes and flat areas are complete, that all deployed BMPs are maintained in proper working condition, and no construction runoff other than stormwater will discharge into a stormwater conveyance or receiving waterbody. Below is a description of the required inspection steps.

a. Determine if BMPs are being deployed in accordance with manufacturers' recommendations, industry recommended standards, and approved plans;

b. Visually determine whether BMPs are being effectively implemented and properly maintained;

c. Document any non-stormwater discharges or potential illicit connections;

d. Document any discharge for sediment or construction-related materials from the site;

e. Determine whether the responsible party is making appropriate adjustments when ineffective BMPs are found; and

f. If BMPs are either lacking or being implemented improperly, require remediation within a reasonable time frame and implementation of corrective actions if necessary in accordance with the ERP.

The final stormwater inspection for grading or building activities verifies that all permanent BMPs specified in the applicable construction BMP Plan (Standard SWQMP, PDP SWQMP, or SWPPP) are in place and in proper working condition. For grading activities, inspectors verify that the site matches the approved grading plan, there are no rills or gullies larger than 3 inches wide or deep, that all manufactured slopes or flat areas are protected through either vegetation or other approved BMP unless site discharges through a properly designed desiltation basin(s), and that there is no construction runoff that will discharge into a stormwater conveyance or receiving waterbody. For some PDPs, appropriate steps must be taken to transfer permanent maintenance of structural BMPs from the developer to either the San Diego County Flood Control District or the Watershed Protection Program. Applicability and detailed guidance for both scenarios can be found in the Director's Letter of Instruction (DLI) LD-S and LD-W.

Inspection Frequencies

PDCI Inspection Frequency

Because of the dynamic nature of construction activities, the County evaluates each site inspection frequency on a regular basis, particularly when grading activities are being conducted during the State's official wet (rainy) season (October 1 through April 30). The need for additional inspections may vary depending upon several factors including:

- Active construction activity;
- Site conditions;
- Previous violations;
- History of contractor's performance;
- Weather patterns; and
- Priority of construction site.

Requirements for inspection frequency are intended to be "site-based," as opposed to "permit-based," to avoid needless duplication of effort among County staff. During phase(s) of the project in which there is no potential for stormwater, non-stormwater, or sediment discharge from the development area, the County may choose to reduce or completely suspend site inspections.

If the project grading permit has been issued but grading activities have not yet begun or active grading is completed and project is waiting for the final inspection to close the grading permit ("As-Built" inspection), then the project will be inspected at a minimum of twice during the wet season.

Disturbed soil areas will be considered active whenever the soil disturbing activities have occurred, continue to occur, or will occur during the ensuing 14 days. Non-active areas must be protected within 14 days of cessation of soil disturbing activities or prior to the onset of precipitation, whichever occurs first.

Table 4.2 - Department of Public Works, PDCI Inspection Frequencies

Project Priority	Minimum Inspection Frequency	Inspection Prioritization Criteria
Low	Twice during wet season	▪ Inactive Grading Permits ▪ The project disturbed area boundary is less than one acre.
Medium	Monthly	▪ The project disturbed area boundary is (1) greater than or equal to 50 acres, but (2) wet season grading will not occur; or ▪ Project disturbed area boundary is (1) greater than or equal to one acre, but is not (2) a high TTWQ as defined by Table 4.1.
High	Bi-Weekly	▪ The project disturbed area boundary is (1) greater than or equal to 50 acres, and (2) wet season grading will occur; or ▪ The project disturbed area boundary is (1) greater than or equal to one acre, and (2) is a high TTWQ as defined by Table 4.1.

PDS Building Inspection Frequency

Projects with building permits are prioritized based on TTWQ as defined by Section 4.2.4 and Table 4.1, size of the project disturbed area boundary, requirement for PDS Minor Grading permit, and track model and production unit construction. Table 4.3 summarizes the minimum regular inspection frequencies for private construction. Additional inspections will be conducted as necessary to confirm that the site reduces the discharge of pollutants to the MEP and effectively prohibits non-stormwater discharges. In some instances, a private construction site may hold several open permits (i.e., a grading permit and a building permit). Requirements for inspection frequency are intended to be "site-based," as opposed to "permit-based," to avoid needless duplication of effort among County staff. During phase(s) of the project in which there is no potential for stormwater, non-stormwater, or sediment discharge from the development area, the County may choose to reduce or completely suspend site inspections.

Table 4.3 - PDS Building Inspection Frequencies

Project Priority	Minimum Inspection Frequency	Inspection Prioritization Criteria
Low	Twice during wet season	▪ The project disturbed area boundary is less than one acre, the project is not exempt per section 4.2.2, and the project does not meet the criteria for a high- or medium-priority project as specified below.
Medium	Monthly during wet season	▪ The project requires a PDS Minor Grading permit as specified in the County of San Diego Grading Ordinance; or ▪ The project disturbed area boundary is (1) greater than or equal to one acre, but is not (2) a high TTWQ as defined by Table 4.1.
High	Every two weeks during wet season	▪ The project is a single-family dwelling constructed under a PDS residential model or production phase building permit; or ▪ The project disturbed area boundary is (1) greater than or equal to one acre, and (2) is a high TTWQ as defined by Table 4.1.

4.5.2 Capital Improvement Program (CIP)

WPO and 2013 MS4 Permit compliance for CIP projects are accomplished through three main County departments: the Department of General Services (DGS), Department of Public Works (DPW), and the Department of Parks and Recreation (DPR). Requirements for CIP maintenance projects are included in the Municipal section of the Existing Development Component.

In DPW CIP, MS4 and CGP program implementation roles and responsibilities are primarily spelled out in DLI ES-N. Implementation of 2013 MS4 Permit and CGP requirements begins in the early phases of project development and continues throughout the life of the project. The roles and responsibilities are identified in an implementation matrix attached to DLI ES-N. DPW staff involved with development and construction administration of DPW CIP projects are responsible for compliance with the various permit requirements and must attend stormwater training classes provided by DPW. Additionally, DPW staff responsible for implementation of the CGP requirements must become a Qualified SWPPP Developer (QSD) and/or Qualified SWPPP Practitioner (QSP). All DPW CIP projects fill out a Standard or Priority Development Project SWQMP, with larger projects requiring preparation of hydrology/drainage studies.

4.5.2.1 Program Planning and Administration

To ensure compliance with the 2013 MS4 Permit, WPO, and implementation plans, County staff routinely reviews project inventories, BMP requirements, and implementation strategies. The DPW Watershed Protection Program may assist in coordinating meetings with other County staff in PDS and DPW to update and administrate these implementation plans (including the JRMP) when necessary.

4.5.2.1.1 Staff training

Designated County staff with implementation responsibilities must be trained in accordance with JRMP Section 7.2.

The following sections describe the different activities associated with the facilitation of the project review process, education on stormwater requirements, and BMP implementation.

4.5.2.1.2 Construction Planning Process and Contract Specifications

Department of Public Works CIP

The Engineering Services Division is responsible for the implementation of policies, procedures, and activities for CIP projects. This includes ensuring compliance with all applicable elements of the 2013 MS4 Permit. The CIP process consists of three distinct implementation phases:

1. Project planning and design;
2. Contract development and contractor selection; and
3. Contract management of the construction project.

DPW CIP Project Planning and Design

Project planning is initiated for projects that are part of a five-year plan or that are identified as necessary to protect public health and safety. Engineering Services Project Managers develop the project plan and

design and evaluate it against the BMP Design Manual criteria and the WPO as detailed in the Land Use Planning Component (Section 3). A scope of work is then completed to include the required post-construction BMPs. After this, a conceptual Water Pollution Control Plan (WPCP) is created by a CIP Design Unit to provide initial construction BMP guidance for inclusion in the necessary contract scope of work. The contractor develops the SWPPP or WPCP depending on the area of soil disturbance.

DPW CIP Contract Development and Contractor Selection

Project contract documents are developed by design engineers using established standard plans and specifications. Within each contract document, special provisions and conditions are defined for the project. Water Pollution Control Specifications and Erosion Control Specifications are developed to augment specifications in the Caltrans Standards. Once the contract document is completed, a notice to invite bids for the contract is sent to prospective contractors and posted on County websites. The bid proposals are reviewed and the contract is awarded to the lowest responsible bidder. Pre-Advertise and Pre-Award checklists are available and should be completed as part of the contract development and contractor selection process.

DPW CIP Contract Management and Inspection of Construction Projects

Contract administration and monitoring is conducted by Construction Engineering staff (Resident Engineers). The Resident Engineer makes decisions regarding the acceptability of material furnished and work performed and exercises contractual authority to direct the contractor. The Resident Engineer may impose sanctions if the contractor fails to take appropriate actions specified in the contract to correct deficiencies.

Construction BMPs and self-monitoring are part of every contract requirement. The contractor must develop a WPCP for projects that are less than one acre or a SWPPP for projects greater than one acre. The Resident Engineer reviews and accepts the WPCP or SWPPP prior to the commencement of construction activities. If amendments are needed, the Resident Engineer will review and accept them. The SWPPP and amendments are submitted into the State Water Resource Control Board's Stormwater Multiple Application and Report Tracking System (SMARTS) Database after acceptance. Roles and responsibilities for implementation of CGP and construction-related MS4 permit requirements to CIP projects are described further within DLI-ES-N, *Implementation of Stormwater Construction Permit and Municipal Separate Storm Sewer Permit Requirements on Capital Improvement Program Projects.* DLI-ES-N addresses various implementation tasks before and after the Notice to Proceed through the end of construction, acceptance of the Notice of Termination, post-project bioassessment monitoring, and final project acceptance. DLI-ES-N also addresses roles and responsibilities associated with reporting NPDES violations associated with CIP projects.

Department of Parks and Recreation CIP

Project Managers develop the project scope of work based on needs identified as part of the five-year plan. Depending on the scope of work and the project needs, construction project management may occur directly in the DPR, or by DGS or DPW. Project contract documents are prepared to include Stormwater Specifications to ensure that project implementation includes the necessary construction BMPs and is

compliant with the CGP, if applicable. Once the plans, specifications, and contract documents are completed, a notice to invite bids or proposals for the project is sent to prospective contractors, trade newspapers, and newspapers for general circulation and is posted on the County website. Project contractors are selected according to purchasing and contracting procedures.

Contract administration and monitoring is conducted by the staff of the implementing department. For projects managed by DGS or DPW, the DPR Project Manager provides additional project oversight, inspects the project, and makes decisions regarding the acceptability of material furnished and work performed. The Construction Project Manager administering the contract may impose sanctions if the contractor fails to take appropriate actions specified in the contract to correct deficiencies.

Construction BMPs and self-monitoring are part of every contract requirement. For projects that are one acre in size, a WPCP is developed and projects greater than one acre, a SWPPP is developed. The Construction Project Manager ensures that a SWPPP (or WPCP) is developed and in place prior to the commencement of construction activities.

Department of General Services CIP

Project Contract Managers develop the project scope of work based on needs identified as part of the five-year plan. Construction project contract management is conducted by a Project Manager in the Facilities Management Division. Project contract documents are prepared to include Stormwater Specifications to ensure that project implementation includes the necessary construction BMPs and is compliant with the CGP, if applicable. Once the contract document is completed, a notice to invite bids or proposal for the contract is sent to prospective contractors and posted on the County website. Project contractors are selected according to purchasing and contracting procedures.

Contract administration and monitoring is conducted by the Stormwater Inspector. If a deficiency is observed, the Stormwater Inspector will provide a written warning to the contractor, the construction supervisor, and the project manager. The Construction Project Manager administering the contract may impose sanctions if the contractor fails to take appropriate actions specified in the contract to correct deficiencies.

Construction BMPs and self-monitoring are part of every contract requirement. For projects that are one acre in size, a WPCP is developed and projects greater than one acre, a SWPPP is developed. The Construction Project Manager ensures that a SWPPP (or WPCP) is developed prior to the commencement of construction activities.

4.5.2.2 Feedback and Verification

The following sections describe the different activities associated with the municipal feedback and verification processes including inspections and enforcement.

4.5.2.2.1 Inspection Process

DPW CIP Inspections

Prior to the start of the construction project, the Resident Engineer conducts a site visit to verify that the contractor has BMPs in place per the approved WPCP or SWPPP and the BMP material necessary for a

weather triggered action plan. The Resident Engineer conducts Quality Assurance (QA) inspections to ensure proper installation and maintenance of BMPs, overall implementation of the approved WPCP or SWPPP, and to determine if the contractor is practicing self-monitoring inspections as required in the contract. As part of the QA inspection, the Resident Engineer is inspecting for, reporting, and, under certain circumstances, directing the cleanup or removal of illegally dumped material or spills or discharges through illicit connections within the limits of the construction site, and forwarding inspection reports on a weekly or monthly basis to the Construction Stormwater Coordinator. All issues of non-compliance are identified via the QA inspection reports and summary of findings. Reports are forwarded to the DPW-CIP Construction Engineering office and compiled in a summary with a compliance code assigned (1 = In Compliance, 2 = Substantial Compliance-Minor Deficiencies Noted, 3 = Non-Compliance-Major Deficiencies or Discharge(s) Noted). This QA inspection summary is then forwarded to office staff and other relevant departments (e.g., Watershed Protection Program). The Resident Engineer tracks open items and provides the status of corrections on subsequent QA inspection reports. In addition, the Resident Engineer is responsible for ensuring annual certification of compliance for projects that require a SWPPP. The annual report is submitted into SMARTS upon acceptance. Upon completion of the project, the Resident Engineer will verify that all contract requirements have been met and that all post-construction BMPs are in place and in proper working condition. For some DPW Priority Development Projects (PDPs), appropriate steps must be taken to transfer permanent maintenance of structural BMPs to the appropriate section: Transportation (Field Operations), the Flood Control District (FCD), Wastewater, or Airports. Applicability and detailed guidance can be found in the Director's Letter of Instruction (DLI) ES-G.

DPR CIP Inspections

Project Managers make sure that the BMPs are in place before the start of construction and make routine inspections until project completion. Records of inspections are kept in each project file. If a Project Manager finds deficiencies, he/she immediately notifies the contractor and instructs them that compliance is required, and a follow up inspection is scheduled to ensure all issues of non-compliance have been corrected. All issues of non-compliance are tracked using field inspection reports.

DGS CIP Inspections

DGS staff conducts stormwater inspections. If any issues of noncompliance are observed, DGS staff is required to inspect the site within 10 days after a correction notice has been issued or at the next scheduled site meeting. If a Notice of Violation is issued, then the correction is required to be completed within 24 hours. These reports are issued via email to the contractor, Project Manager, and site stormwater officer (if the site has one). The reports are then filed in the project folder and electronically saved in a stormwater folder located on the DGS internal drive. For some DGS PDPs, appropriate steps must be taken to transfer permanent maintenance of structural BMPs to the Facilities Operation Group. Applicability and detailed guidance for both scenarios can be found within separate DGS written procedures that are available for review.

4.5.2.2.2 Inspection Frequencies

DPW CIP Inspection Frequency

Table 4.4 lists the minimum inspection frequencies for DPW CIP projects. The inspection frequency should be increased, if necessary, as dictated by CGP requirements. Additional inspections should also be conducted, as necessary, to confirm that the site reduces the discharge of pollutants to the maximum extent practicable (MEP) and effectively prohibits non-stormwater discharges. During phase(s) of the project in which there is no potential for stormwater, non-stormwater, or sediment discharge from the development area, the County may choose to reduce or completely suspend site inspections.

Table 4.4 - Department of Public Works, Capital Improvement Program Projects, Construction Inspection Frequencies

Project Priority	Minimum Inspection Frequency	Inspection Prioritization Criteria
Medium	Monthly	▪ Project boundary is less than one acre (WPCP projects).
High	Weekly	▪ Project boundary greater than or equal to one acre (SWPPP projects); or ▪ Project presents a high Threat to Water Quality*.
* The determination of the TTWQ is described in Section 4.2.4.		

DPR CIP Inspection Frequency

Most DPR CIP projects are small projects restricted to very small areas such as playgrounds. Project Managers make every effort to inspect active construction sites prior to rain events, and after rain events all active projects are inspected to ensure adequate BMP implementation. For projects of short duration, less than a week, projects are inspected at the beginning and end of the project. Table 4.5 lists the minimum inspection frequency for these projects. The inspection frequency may be increased, if necessary, as dictated by CGP requirements. Additional inspections may also be conducted, as necessary, to confirm that the site reduces the discharge of pollutants to the MEP and effectively prohibits non-stormwater discharges. During phase(s) of the project in which there is no potential for stormwater, non-stormwater, or sediment discharge from the development area, the County may choose to reduce or completely suspend site inspections.

Table 4.5 - Department of Parks and Recreation, Capital Improvement Program Projects, Construction Inspection Frequencies

Project Priority	Minimum Inspection Frequency	Inspection Prioritization Criteria
Low	As needed	▪ Project boundary is less than one acre
Medium	Monthly	▪ Project boundary is greater than or equal to one acre and is not tributary to an environmentally sensitive area
High	Weekly	▪ Project boundary with active grading and planned grading greater than 5,000 cubic yards; or ▪ Project presents a high TTWQ.

DGS CIP Inspection Frequency

The Department of General Services CIP projects are categorized as high, medium, or low priority. Projects that are less than one acre are either classified as low or medium priority depending on the scale

of construction activity and soil disturbance occurring onsite. Table 4.6 below lists the minimum inspection frequency for these projects. The inspection frequency may be increased, if necessary, as dictated by CGP requirements. Additional inspections may also be conducted, as necessary, to confirm that the site reduces the discharge of pollutants to the MEP and effectively prohibits non-stormwater discharges. During phase(s) of the project in which there is no potential for stormwater, non-stormwater, or sediment discharge from the development area, the County may choose to reduce or completely suspend site inspections.

Table 4.6 - Department of General Services, Capital Improvement Program Projects, Construction Inspection Frequencies

Project Priority	Minimum Inspection Frequency	Inspection Prioritization Criteria
Low	As Needed	▪ Project boundary is less than one acre in size and short duration or minimum soil disturbance. ▪ Project site is inactive
Medium	Monthly	▪ Project boundary is less than one acre (WPCP projects).
High	Weekly	▪ Project boundary greater than or equal to one acre (SWPPP projects); or ▪ Project presents a high TTWQ.

Section 4 Attachments

Attachment 4.1: Construction Site BMPs for Typical Construction Activities

Attachment 4.1 – Typical Construction Site BMPs

CONSTRUCTION SITE BMPS FOR TYPICAL CONSTRUCTION ACTIVITIES

	Typical Construction Activities																											
Best Management Practices	Demolish Pavement/Structures	Clear and Grub	Construct Access Roads	Grading (inc. cut and fill slopes)	Channel Excavation	Channel Paving	Trenching/ Underground Drainage	Underground Drainage Facility Installation	Drainage Inlet Modification	Utility Trenching	Utility Installation	Subgrade Preparation	Base Paving	AC Paving	Concrete Paving	Saw Cutting	Joint Sealing	Grind/Groove	Structure Excavation	Erect Falsework	Bridge/Structure Construction	Remove Falsework	Striping	Miscellaneous Concrete Work	Sound Walls/Retaining Walls	Planting and Irrigation	Contractor Activities	Treatment BMP Construction
Temporary Sediment Control																												
Silt Fence	X	X	X	X	X		X			X		X							X		X					X		X
Sandbag Barrier	X	X	X	X	X		X			X		X							X		X					X		X
Straw Bale Barrier	X	X	X	X	X		X			X		X							X		X					X		X
Fiber Rolls	X	X	X	X	X		X			X											X					X		X
Gravel Bag Berm	X	X	X	X	X		X			X											X					X		X
Check Dam	X	X		X	X		X																					X
Desilting Basin	X	X	X	X	X																X					X		X
Sediment Trap	X	X	X	X	X		X			X		X							X		X					X		X
Sediment Basin		X		X	X																X					X		X
Temporary Soil Stabilization																												
Hydraulic Mulch	X	X		X	X																X					X		X
Hydroseeding	X	X		X	X																X					X		X
Soil Binders	X	X		X	X														X		X					X		X
Straw Mulch	X	X	X	X	X		X	X		X		X							X		X					X		X
Geotextiles, Mats/Plastic Covers and Erosion Control Blankets	X	X	X	X	X		X	X		X		X							X		X					X		X
Scheduling	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X
Preservation of Existing Vegetation		X		X			X	X		X									X	X		X			X			
Temporary Concentrated Flow Conveyance Controls																												
Earth Dikes/Drainage Swales & Lined Ditches		X	X	X																	X							
Outlet Protection/Velocity Dissipation Devices		X	X	X																	X							
Slope Drains				X																	X							
Temporary Stream Crossing			X				X	X		X	X									X	X	X		X				
Clear Water Diversion	X		X		X	X														X	X	X			X			X
Wind Erosion Control		X	X	X	X		X			X		X	X	X	X											X		X
Sediment Tracking Control	X	X	X	X	X		X	X		X	X	X	X	X	X	X		X	X		X				X	X	X	X
Street Sweeping and Vacuuming	X	X	X	X	X		X	X		X	X	X	X	X	X	X		X	X		X				X	X	X	X
Stabilized Construction Roadway		X	X	X																								
Entrance/Outlet Tire Wash		X	X	X																						X	X	

X=BMP may be applicable to activity

CONSTRUCTION SITE BMPS FOR TYPICAL CONSTRUCTION ACTIVITIES

	Typical Construction Activities																										
Best Management Practices	Demolish Pavement/Structures	Clear and Grub	Construct Access Roads	Grading (inc. cut and fill slopes)	Channel Excavation	Channel Paving	Trenching/ Underground Drainage	Underground Drainage Facility Installation	Drainage Inlet Modification	Utility Trenching	Utility Installation	Subgrade Preparation	Base Paving	AC Paving	Concrete Paving	Saw Cutting	Joint Sealing	Grind/Groove	Structure Excavation	Erect Falsework	Bridge/Structure Construction	Remove Falsework	Striping	Miscellaneous Concrete Work	Sound Walls/Retaining Walls	Planting and Irrigation	Contractor Activities	Treatment BMP Construction
Waste Management																												
Spill Prevention and Control	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Solid Waste Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hazardous Waste Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Contaminated Soil Management	X	X		X			X	X		X	X									X								
Concrete Waste Management	X		X			X		X			X		X		X	X		X	X		X			X	X	X	X	X
Sanitary/Septic Waste Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Liquid Waste Management														X		X	X		X		X		X				X	X
Materials Handling																												
Material Delivery, and Storage	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Material Use	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle and Equipment Operations																												
Vehicle and Equipment Cleaning	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle and Equipment Fueling	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle and Equipment Maintenance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Paving Operations			X			X			X				X	X	X	X	X	X			X							
Stockpile Management	X		X					X		X	X		X	X	X			X										
Water Conservation Practices	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X		X			X		X	X	X
Potable Water/Irrigation																												
Dewatering Operations	X			X	X	X	X	X	X	X	X								X		X			X	X	X		X
Illicit Connection/Illegal Discharge Detection and Reporting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Non-storm Water Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Active/Passive Sediment Treatment Systems, where applicable	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Storm Drain Inlet Protection	X	X	X	X	X		X	X	X	X		X	X			X	X	X	X								X	X
Stabilized Construction Entrance/Exit		X	X	X																						X		X

X=BMP may be applicable to activity

5.0 EXISTING DEVELOPMENT COMPONENT 1

5.1 REQUIREMENTS FOR ALL EXISTING DEVELOPMENT 1
5.1.1 Inventory 1
5.1.2 Best Management Practice Requirements 1
5.1.3 Inspections 2

5.2 INDUSTRIAL AND COMMERCIAL 4
5.2.1 Introduction 4
5.2.2 Inventory 4
5.2.3 Best Management Practice Requirements 4
5.2.4 Inspections 6
5.2.5 Agriculture Water Quality Program 6

5.3 MUNICIPAL 9
5.3.1 Introduction 9
5.3.2 Roads, Streets, Highways, and Parking Facilities Element 12
5.3.3 Municipal Separate Storm Sewer System (MS4) Element 19
5.3.4 Solid Waste Facilities Element 24
5.3.5 Wastewater Facilities Element 30
5.3.6 Road Stations Element 35
5.3.7 Fleet Maintenance Element 40
5.3.8 Municipal Airfields Element 43
5.3.9 Parks and Recreational Facilities Element 47
5.3.10 Office Buildings and Other Municipal Facilities Element 52
5.3.11 Pesticides, Herbicides and Fertilizer Management Element 56
5.3.12 Non Emergency Fire Fighting and Related Activities Element 60
5.3.13 Special Events Element 66

5.4 RESIDENTIAL 70
5.4.1 Introduction 70
5.4.2 Inventory 70
5.4.3 Best Management Practice Requirements 77
5.4.4 Program Implementation 78

5.5 RETROFIT AND REHABILITATION 83
5.5.1 Background 83
5.5.2 Identification of Candidate Areas of Existing Development 83
5.5.3 Identification of Candidate Projects 83
5.5.4 Development of Strategies to Facilitate the Implementation of Identified Candidate Projects 85

Table 5.2-1 AWM Focused Activities for the Rainbow Creek Watershed 8
Table 5.3-1 General Inventory of County Roads (As of March 2015) 12
Table 5.3-2 TTWQ Criteria for Roads, Streets and Highways 14
Table 5.3-3 Overview of Program Activities Associated with Roads, Streets and Highways 14
Table 5.3-4 DPW Implementation Roles and Responsibilities for the Roads Element 16
Table 5.3-5 TTWQ Criteria for MS4 Structures 20
Table 5.3-6 Inventory of MS4 Elements within the County Unincorporated Area 20
Table 5.3-7 DPW Implementation Roles and Responsibilities for the MS4 Element 21
Table 5.3-8 Overview of the County's Solid Waste Facilities Inventory 24
Table 5.3-9 DPW Implementation Roles and Responsibilities for the Solid Waste 27
Table 5.3-10 Overview of the Wastewater Facilities Inventory 30
Table 5.3-11 DPW Implementation Roles and Responsibilities for the Wastewater 32
Table 5.3-12 Overview of the County's Road Facilities Inventory 35

Table 5.3-13 DPW Implementation Roles and Responsibilities for the Road Facilities Element.....37
Table 5.3-14 Overview of the County's Fleet Facilities Inventory 40
Table 5.3-15 DGS Implementation Roles and Responsibilities for Fleet 41
Table 5.3-16 Overview of the County's Airports Inventory 43
Table 5.3-17 Program Implementation Roles and Responsibilities for Airports.....44
Table 5.3-18 Overview of the County's Parks and Recreational Facilities.....47
Table 5.3-19 DPR Implementation Roles and Responsibilities for Parks and Recreation.....49
Table 5.3-20 Overview of Office Buildings & Municipal Facilities.....52
Table 5.3-21 Implementation Roles and Responsibilities for Other Municipal Facilities.....53
Table 5.3-22 AWM Implementation Roles and Responsibilities for the Pesticides, Herbicides, and Fertilizer Element.....57
Table 5.3-23 Fire Protection Organizations in County Unincorporated Area 61
Table 5.3-24 SDCFA Implementation Roles and Responsibilities for the Non-emergency Fire Fighting Element 63
Table 5.3-25 Summary of Discharge Prohibitions and BMP Requirements.....65
Table 5.4-1 Residential Pollutant-Generating Activities.....73
Table 5.4-2 Potential Pollutants of Concern and Waste Streams.....75
Table 5.4-3 Description and General Focus of Residential Stormwater Programs.....78
Table 5.4-4 Residential Stormwater Program Implementation Roles.....80

Figure 5.1-1 Existing Development Flow Chart 3
Figure 5.2-1 Industrial and Commercial Facilities in the County Unincorporated Area..... 5
Figure 5.3-1 General Map of County Roads Network 13
Figure 5.3-2 Solid Waste Facilities in the County Unincorporated Area.....26
Figure 5.3-3 Wastewater Facilities in the County Unincorporated Area.....31
Figure 5.3-4 Road Stations and Related Facilities.....36
Figure 5.3-5 Parks and Recreational Facilities in the County Unincorporated Area 48
Figure 5.4-1 Location of Residential Management Areas.....71

Attachment 5.1: Commercial, Industrial, and Municipal Sources Profiles
Attachment 5.2: BMP Requirements for Specific Industrial, Commercial, and Municipal Sources
Attachment 5.3: Mobile Sources Profiles
Attachment 5.4: Description of Pollutant-Generating Activities for Municipal Sources
Attachment 5.5: Threat to Water Quality Questionnaire (for Municipal Facilities)
Attachment 5.6: BMP Requirements and Recommendations for Residential Sources
Attachment 5.7: Industrial and Commercial Facilities Inventory
Attachment 5.8: Municipal Facilities Inventory
Attachment 5.9: Residential Management Area Map
Attachment 5.10: Municipal PGA/POC Tables

5.0 EXISTING DEVELOPMENT COMPONENT

5.1 REQUIREMENTS FOR ALL EXISTING DEVELOPMENT

The 2013 MS4 Permit establishes requirements for all existing development, including industrial, commercial, municipal, and residential facilities. The requirements in this section relate to inventory and tracking, Best Management Practices (BMPs) implementation and maintenance, and inspections. This section discusses general requirements that are applicable to all existing development, while subsequent sections provide additional detail based on development type (i.e., Industrial/Commercial, Municipal, or Residential). All sources of pollutants, including irrigation runoff, are prohibited from leaving a property and entering the streets or storm drains. Figure 5.1-1 shows the relationships between the different over-arching existing development requirements.

5.1.1 Inventory

The County must keep an inventory of all existing development. The inventories are watershed based and are updated at least annually, including maps. The inventory must include the following information for each facility or area:

- Name and location
- Description of facility
    - Industrial, Commercial, Municipal, or Residential
    - Status (active or inactive)
    - Identify if mobile or stationary
    - SIC Code or NAICS Code (if applicable)
    - Industrial General Permit Notice of Intent (NOI) and/or Waste Discharge Identification (WDID) number (if applicable)
    - Pollutants generated or potentially generated
    - Whether the facility is adjacent to an Environmentally Sensitive Area (ESA)
    - Whether the facility is tributary to an impaired water body

As shown in Figure 5.1-1, the information from the inventory, specifically pollutant-generating activities (PGAs) and pollutants of concern (POCs), is used to establish Threat to Water Quality as well as identify minimum required BMPs.

5.1.2 Best Management Practice Requirements

Each facility has the potential to discharge pollutants into the municipal separate storm sewer system (MS4) and impact local water quality. Pollution prevention methods are typically used as

an initial mechanism for reducing discharges of pollutants into regional MS4s. Often, the most cost effective and simple solution to reducing pollution is to implement pollution prevention techniques at the source. The County also requires minimum site and activity specific BMPs to be implemented, and inspections and enforcement procedures are conducted to verify compliance and, in some cases, to provide more site-specific direction for BMP implementation.

Minimum BMP requirements for each type of PGA are provided in Attachments 5.2 and 5.6 based on the requirements in the Watershed Protection Ordinance (WPO). The specific application of BMPs is determined on a site-by-site basis to address the specific PGAs applicable to each facility. As shown in Figure 5.1-1, potential sources for additional site specific BMPs include Stormwater Pollution Prevention Plans (SWPPPs), Facility Pollution Prevention Plans (F3Ps), and California Stormwater Quality Association (CASQA) Handbooks.

5.1.3 Inspections

5.1.3.1 Threat to Water Quality (TTWQ)

Threat to Water Quality is a metric used by the County to determine appropriate inspection frequency and/or inspection type. The specific criteria for determining TTWQ varies between industrial/commercial, municipal, and residential facilities, and is discussed in greater detail in the following sections.

5.1.3.2 Inspection Frequency

As required by the 2013 MS4 Permit, inventoried existing development will be inspected, at a minimum, once every five years, with an equivalent of at least 20 percent of the inventoried industrial, commercial, and municipal facilities undergoing onsite inspections annually. The inspections performed on the 5-year cycle can be onsite inspections, drive-by inspections, or visual inspections (publicly accessible) by trained volunteers. The frequency of inspections may need to increase if the site is specifically identified as a priority in the Water Quality Improvement Plan (WQIP), in response to a valid public complaint, or in cases of continued non-compliance. The frequency must also be appropriate to confirm that BMPs are being implemented to reduce the discharge of pollutants and prohibit non-stormwater discharges.

5.1.3.3 Inspection Content

Inspections must include an assessment of the presence of non-stormwater discharges, potential discharge of pollutants, and potential illicit connections. The inspection should also confirm that the description of the facility has not changed from what is recorded in the current inventory.

Onsite inspections are intended to be more detailed and should assess the implementation of BMPs and verify coverage under the Industrial General Permit (if applicable).

5.1.3.4 Inspection Tracking and Records

Records of all inspection and re-inspections will be kept and retained in an electronic database. The records must include the following information:

- Name and location

- Date
- Inspection method (i.e., drive-by, onsite)
- Observations and findings
- Descriptions of any problems or violations
- Descriptions of any enforcement actions
- Date that problems or violations were resolved

Inspection results and records, in conjunction with monitoring results, will be considered as part of the ongoing adaptive management process, as shown in Figure 5.1-1.

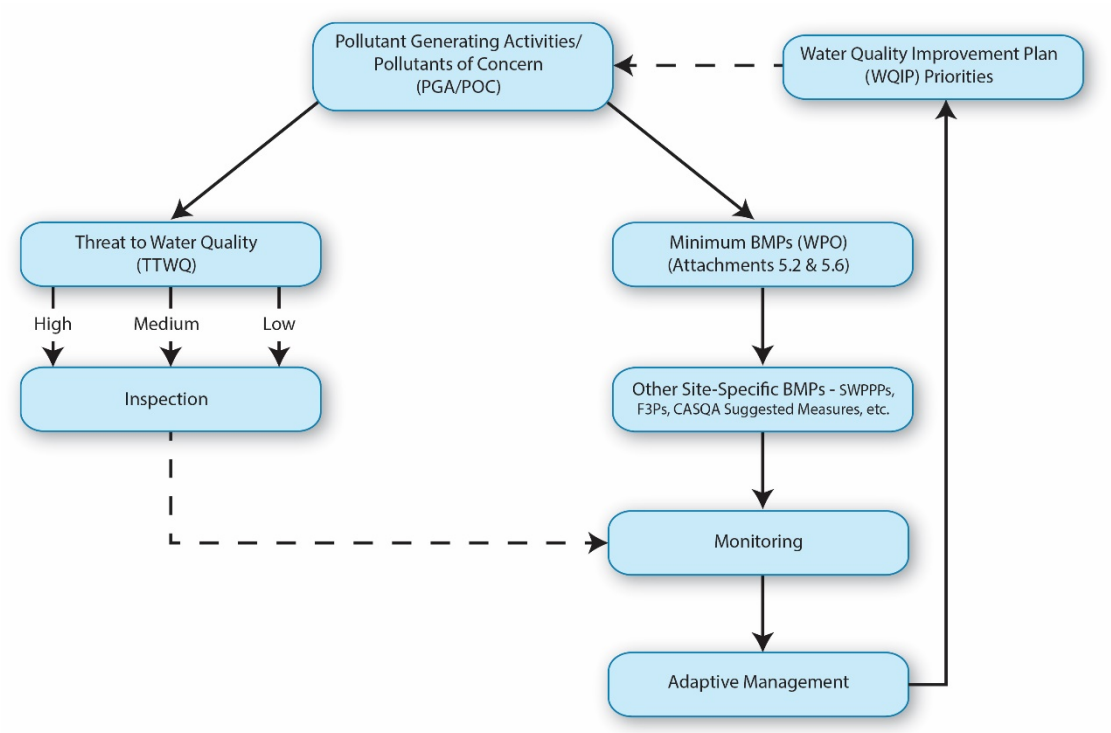


Figure 5.1-1 Existing Development Flow Chart

5.2 INDUSTRIAL AND COMMERCIAL

5.2.1 Introduction

The overall goal of the Industrial and Commercial section is to establish a programmatic framework for the implementation of activities to minimize or eliminate the impact of discharges from industrial and commercial businesses.. Two departments share responsibility for the oversight of business facilities and activities in the County Unincorporated area. The Department of Agriculture, Weights, and Measures (AWM) educates operators, inspects facilities, and oversees BMP implementation at agricultural businesses such as nurseries, and greenhouses. (see Section 5.2.5). The Department of Public Works (DPW) provides similar oversight for other commercial and industrial businesses in the County's inventory.

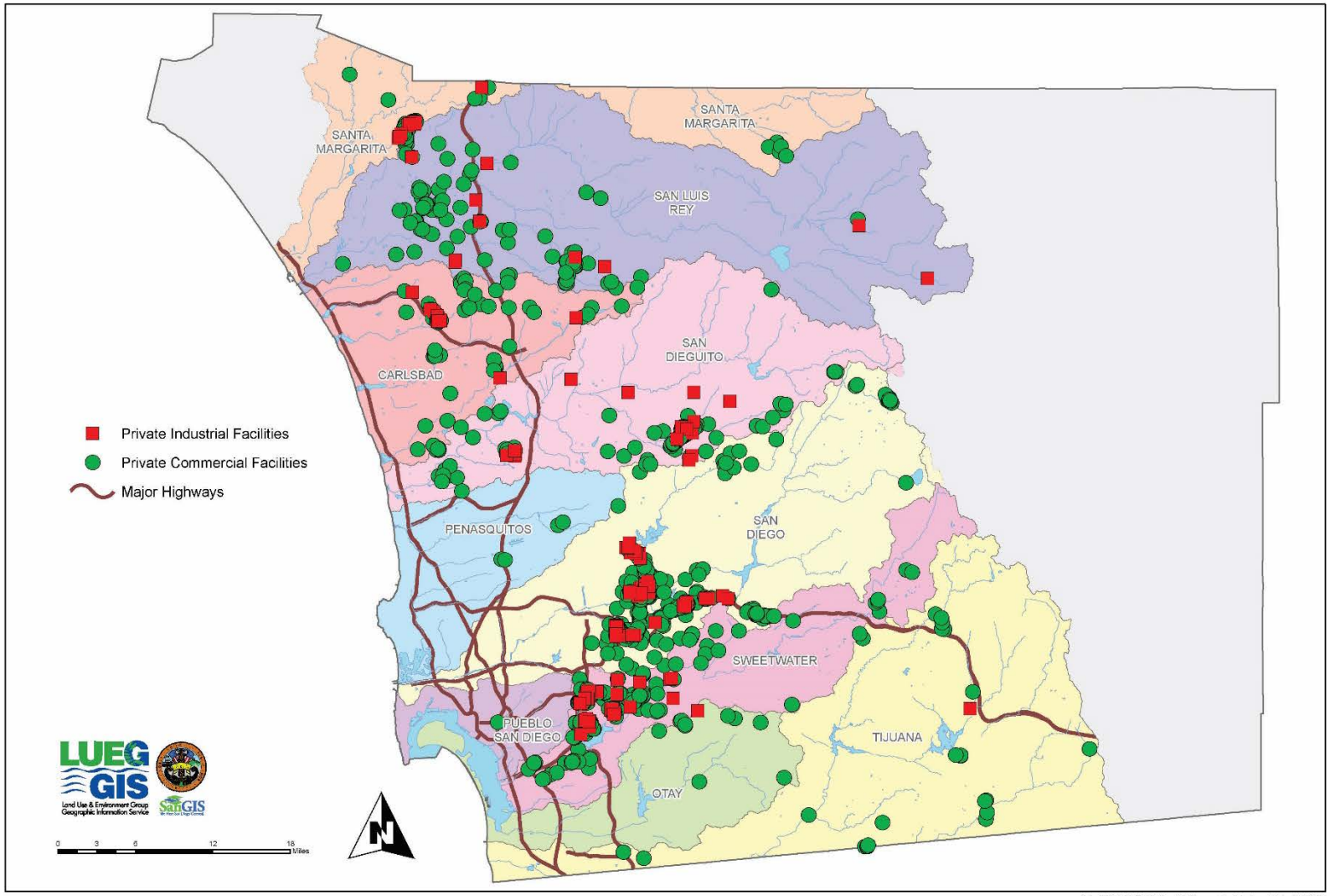
The framework in this section considers the fact that watershed-based WQIPs have been created to prioritize pollutants and develop reduction strategies that consider likely pollutant sources and associated land uses.

5.2.2 Inventory

The County's industrial and commercial inventories include commercial businesses and industrial facilities. Examples of industrial facilities include manufacturing facilities and fleet maintenance businesses. Commercial facilities include auto repair shops, restaurants, equine facilities, and wholesalers. Mobile business operations also are included in the commercial inventory. These facilities are mapped in Figure 5.2-1.

5.2.3 Best Management Practice Requirements

Industrial and commercial sites / sources must meet the applicable requirements set out in the WPO. These include operating practices and structural controls to reduce or eliminate the discharge of pollutants in runoff. The use of pollution prevention (P2) practices is always encouraged, and, where applicable, will be required to address the priorities and strategies in the WQIPs. BMP requirements and options for each type of PGA are provided in Attachment 5.2. The specific application of BMPs is determined on a site-by-site basis to address the specific PGAs applicable to each facility. The BMP requirements for industrial and commercial sites / sources are reviewed annually and updated as necessary.



Path: P:\20141218_JRMP_update\Comm_indust_facil.mxd Date: 2/11/2015

Figure 5.2-1 Industrial and Commercial Facilities in the County Unincorporated Area

5.2.4 Inspections

All industrial and commercial facilities must be inspected, at a minimum, once every five years, with an equivalent of at least 20 percent of the inventoried facilities undergoing onsite inspections annually. The inspections performed on the 5-year cycle can be onsite inspections, drive-by inspections, or visual inspections (publicly accessible) by trained volunteers. The frequency of inspections may need to increase if the site is specifically identified as a priority in the WQIP, in response to a valid public complaint, or in cases of continued non-compliance. The frequency must also be appropriate to confirm that BMPs are being implemented to reduce the discharge of pollutants and prohibit non-stormwater discharges.

TTWQ should be used when selecting facilities for onsite inspections. The following items should be considered in determining TTWQ:

- Proximity to a Clean Water Act (CWA) section 303(d) impaired water body segment (that generates pollutants for which the water body segment is impaired).
- Proximity to coastal lagoons or other sensitive receiving waters or areas, and operations pose significant potential of discharging pollutants.
- Potential to discharge pollutants (from stormwater or non-stormwater) to the MS4, i.e., site design and construction, pollutant-generating activities, irrigation, and material and waste handling.
- Facility compliance history (for BMP deficiencies).
- Degree of management oversight, as determined by the inspector's observation of the shop operations and review of stormwater-related documents.

Other factors that influence the TTWQ determination include prioritization tools (e.g., GIS applications and various resource databases), knowledge of pollutant-generating activities and associated BMPs, and best professional judgment. The County continually provides refresher training and discussion in staff meetings to maintain inspector consistency in prioritization.

5.2.5 Agriculture Water Quality Program

AWM's Agriculture Water Quality Program provides storm water oversight for commercial facilities with agricultural activities, such as nurseries and greenhouses. AWM maintains and annually updates an inventory of commercial facilities for which it completes stormwater inspections; the inventory includes all the Permit-required information listed in Section 5.1.1 above. Inventoried facilities are assigned TTWQ priorities as described in Section 5.2.4.

Commercial agricultural facilities must meet the applicable requirements set out in the WPO. Minimum BMP requirements and options for each type of PGA are provided in Attachment 5.2.

The specific application of BMPs is determined on a site-by-site basis to address specific PGAs applicable to each facility.

Education and outreach, including partnering with organizations trusted in the agricultural community, is an important part of AWM's program. AWM works with several organizations that provide guidance on BMP implementation at commercial agricultural operations, such as the Mission Resource Conservation District, the Natural Resource Conservation Service, and the University of California Cooperative Extension Office (UCCE). For example, in coordination with UCCE, AWM assists in distributing information about the State Water Efficiency & Enhancement Program (SWEEP). The County's AWM website provides information to the regulated community about BMP materials and resource contacts. During inspections, AWM inspectors provide educational materials to assist business owners in addressing PGAs observed and in response to questions. .

Facilities inventoried as part of the Agriculture Water Quality Program are inspected, at a minimum, once every five years, with an equivalent of at least 20 percent of the inventoried facilities undergoing onsite inspections annually. Facilities with a recent history of non-compliance are prioritized for more frequent inspections.

AWM inspections assess compliance with the WPO, including checking for non-stormwater discharges, potential illicit connections, and BMP implementation deficiencies that could result in a discharge of pollutants. Common activities or types of BMPs evaluated during inspections include fertilizer and pesticide use and storage, tailwater management and non-stormwater discharge prevention (including irrigation runoff), and erosion and sediment control.

When non-compliance is identified, AWM works with the responsible party to correct violations. Escalating enforcement is used where necessary to achieve compliance, as described in the Enforcement Response Plan (Section 9.0). AWM's goal is to resolve violations within 30 days, as noted in the Enforcement Response Plan.

In addition, AWM inspectors notify agricultural businesses within the County Unincorporated area of the requirement to enroll in the San Diego Regional Water Quality Control Board Agricultural Order (Order No. R9-2016-0004 and Order No. R9-2016-0005) as they are discovered during inspection, new inventory evaluations, and/or complaint investigations. AWM reports all potential Agricultural Order non-filers to the Regional Board.

5.2.5.1 Focused Strategies for the Rainbow Creek Watershed

A Total Maximum Daily Load (TMDL) for nutrients has been established for Rainbow Creek, which is located in the Santa Margarita WMA. Nutrient loading in Rainbow Creek is also a Highest Priority Water Quality Condition in the Santa Margarita WQIP.

Outreach to and inspections of agricultural facilities are part of the County's overall approach to addressing nutrient loading in the Rainbow Creek Watershed. The Rainbow Creek Nutrient Reduction and Management Plan (NRMP) was enhanced in 2016 and outlines best practices for property managers to implement. In addition to the strategies described in Section 5.2.5 above

and NRMP management practices for irrigation, nutrient control, erosion, and stormwater runoff recommended for agricultural operations, the County has identified additional strategies to help achieve water quality improvement goals in the Rainbow Creek Watershed. The additional strategies that AWM implements to help address nutrients in the Rainbow Creek Watershed are described in Table 5.2-1 below.

Table 5.2-1 AWM Focused Activities for the Rainbow Creek Watershed

Strategy	Implementation Notes
Increase inspection frequency for High TTWQ commercial agricultural facilities to up to four (4) inspections per year, depending on the facility's compliance history.	• Increase the total number of inspections, which will also establish a larger regulatory presence in the area and convey the importance of nutrient load reduction to local agricultural operators.
Annually review commercial agricultural facilities in the Rainbow Creek watershed that may discharge pollutants to the County MS4 and add any newly identified facilities to the inventory.	• Assess non-inventoried existing commercial agricultural facilities by using the TTWQ Questionnaire in Attachment 5.2 of the JRMP.
Focus investigative efforts on identifying significant sources of nutrients.	• AWM regularly reviews nutrient monitoring results and conducts focused investigations to determine potential nutrient sources.

5.3 MUNICIPAL

5.3.1 Introduction

In compliance with the 2013 MS4 Permit, the following sections establish a programmatic framework to identify and characterize municipal pollution sources and recommend BMPs to minimize the impact of illegal discharges on receiving waters.

The County owns and operates a wide assortment of facilities. Facilities range from general office buildings to large-scale operations such as airports, wastewater treatment plants, and closed landfills. Attachment 5.8 presents a watershed-based list of County-owned and operated facilities. Linear infrastructure like streets and stormwater conveyance systems are also included within the County's municipal program. The County also participates in a variety of activities that are not associated with a fixed location. These activities include "Pesticide, Herbicide, and Fertilizer application," "Non-emergency Fire Fighting," and "Special Events." Attachment 2.1 illustrates the organization relationship of the departments and groups primarily responsible for implementing the Municipal Component.

The remainder of this section is organized according to the following municipal source types:

- Roads, Streets, and Highways (section 5.3.2);
- Municipal Separate Storm Sewer System (MS4; section 5.3.3);
- Solid Waste Facilities (section 5.3.4);
- Wastewater Facilities (section 5.3.5);
- Road Stations (section 5.3.6);
- Fleet Maintenance (section 5.3.7);
- Municipal Airfields (section 5.3.8);
- Parks and Recreational Facilities (section 5.3.9);
- Office Buildings and Other Municipal Facilities including Household Hazardous Waste Collection Facility (section 5.3.10);
- Pesticide, Herbicide, and Fertilizer Management (section 5.3.11);
- Non-emergency Fire Fighting Activities (section 5.3.12); and
- Special Events (section 5.3.13).

5.3.1.1 Regulatory Requirements

Under 2013 MS4 Permit Section E.1.a., Legal Authority Establishment and Enforcement, the County "must establish, maintain, and enforce adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 through statute, ordinance, permit, contract, order, or similar means." The County's WPO regulates the protection of water resources and

water quality by controlling polluted run-off discharges from entering receiving waters and the waters of the state (see Attachment 2.2). Municipal Facilities must meet the requirements set out in the WPO.

5.3.1.2 Facility Threat to Water Quality and Prioritization

Many of the County's facilities and sites conduct activities in their ongoing operations which have the potential to generate pollutants. These areas include streets, parking facilities, MS4s, landfills, water and wastewater treatment plants, solid waste transfer facilities, land application sites, maintenance and storage yards, household hazardous waste facilities, airfields, parks and recreation facilities, and special events. Some of these are located in areas tributary to impaired water bodies. In order to proactively reduce the chances of pollutants impacting local waters, the County has developed a system of assessing its facilities and activities, and applying BMPs suitable to address the types of associated pollutants.

The first step is to assess the risk to water quality. For this purpose, the County has established a Threat to Water Quality (TTWQ) questionnaire, Attachment 5.5, to determine each municipal facility or property's potential TTWQ. For County-owned and operated linear facilities, such as roads and MS4 elements, a separate TTWQ assessment is made which is described in further detail in the corresponding sections below. Information generated from this questionnaire is used to determine the self-audit and formal inspections frequencies. The questionnaire helps to determine the TTWQ by asking questions about onsite activities with a focus on PGAs and their associated POCs, proximity to an ESA, and previous compliance history. Upon review of the questionnaire, each site or facility is assigned a TTWQ rating of low, medium, or high.

In support of the TTWQ determination and BMP selection, Table 5.1.17 is included in Attachment 5.1 to provide a list of PGAs that are typically associated with work performed within each of the municipal departments/divisions. Each of these municipal PGAs is described in detail in Attachment 5.4. The PGAs and related POCs for each Department and group of the County, whose operations are subject to the existing development requirements, are outlined for each subsection of the Municipal Component in tables included in Attachment 5.10.

5.3.1.3 Inspections

5.3.1.3.1 Municipal Self-Inspections

The County prioritizes self-inspections of its municipal inventory based on a site's TTWQ. Sites or facilities with the lowest threat level are required to annually conduct a self-inspection and maintenance as required. The moderate level threat establishes a medium priority and requires quarterly self-inspection and maintenance. Sites with the highest TTWQ are considered the highest priority and must perform monthly self-inspections and maintenance.

5.3.1.3.2 Stormwater Protection Program Audits

Audits are performed by the Watershed Protection Program (WPP) staff independent of the site's self-inspections. The TTWQ of a site determines the audit frequency by WPP. Sites determined to have the highest TTWQ are audited annually, while sites with a moderate threat are audited

twice per permit cycle, and sites with a low threat are audited once per permit cycle. Audits ensure periodic review of stormwater practices and self-audit documentation at County facilities and properties. The audit process validates compliance with minimum BMP requirements and reinforces the need for appropriate BMPs to meet the requirements of the 2013 MS4 Permit and WPO. Audits also ensure that water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These audits are also conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. Additionally, audits provide a mechanism to evaluate program effectiveness through annual reviews and inter-departmental reporting. These audits are counted toward the County's compliance with the 2013 MS4 Permit's minimum inspection frequency requirements.

Regardless of the priority, the County inspects 20 percent of its existing development inventory annually to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections are maintained within a database used to track compliance and determine re-inspection progress where needed. These existing development audits and inspections include visual inspections for the presence of non-stormwater discharges, discharge of pollutants, illicit connections, and also a determination that the condition of the facility has not changed. Where appropriate, the State's stormwater Industrial General Permit coverage and BMP requirements are verified and enacted as required.

5.3.1.4 Minimum Best Management Practices

The County is required to designate, implement and maintain various types of BMPs for all of its existing development and those BMPs must be specific to the PGAs of that facility or area. The BMP requirements are outlined per the corresponding WPO Sections for each PGA in Section C of Attachment 5.2. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. All facilities and sites classified as high TTWQ must establish and maintain either a SWPPP or a F3P to document the selection of designated BMPs appropriate for each site's PGAs. All other sites and facilities must implement the appropriate minimum BMPs as referenced in Attachment 5.2. Maintenance for BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

This TTWQ determination and the resulting frequency of inspections for municipal facilities goes above and beyond the requirements of the permit, and is emblematic of the County's commitment to protecting local water quality.

5.3.2 Roads, Streets, Highways, and Parking Facilities Element

5.3.2.1 Background

DPW road crews work in areas all over the County Unincorporated area, from bustling towns to scenic county roads, and are responsible for maintaining nearly 2,000 miles of roads. This County-maintained system serves approximately 400,000 residents each day. Many segments of roads in the County are maintained by other agencies. For example, freeways and state highways (SR 52, 76, 78, 94, etc.) are maintained by Caltrans, and private roads are maintained by adjacent property owners.

5.3.2.2 Inventory

The County operates an inventory of 1,939 miles of road surfaces. Table 5.3-1 provides a general inventory of roads, streets, and highways maintained by the County of San Diego and confined within the County limits. Due to its size, a more detailed roads inventory is not included in this report, but can be provided on request.

Table 5.3-1 General Inventory of County Roads (As of March 2015)

Type of Road Surface	Miles of Roads
Paved Roads	1,808
Unpaved Roads	104
Concrete Roads	27
Total	**1,929**

Figure 5.3-1 illustrates the general distribution of the County's road network. Detailed maps can also be accessed directly on-line at:

http://www.sandiegocounty.gov/content/sdc/dpw/roads/crs.html.

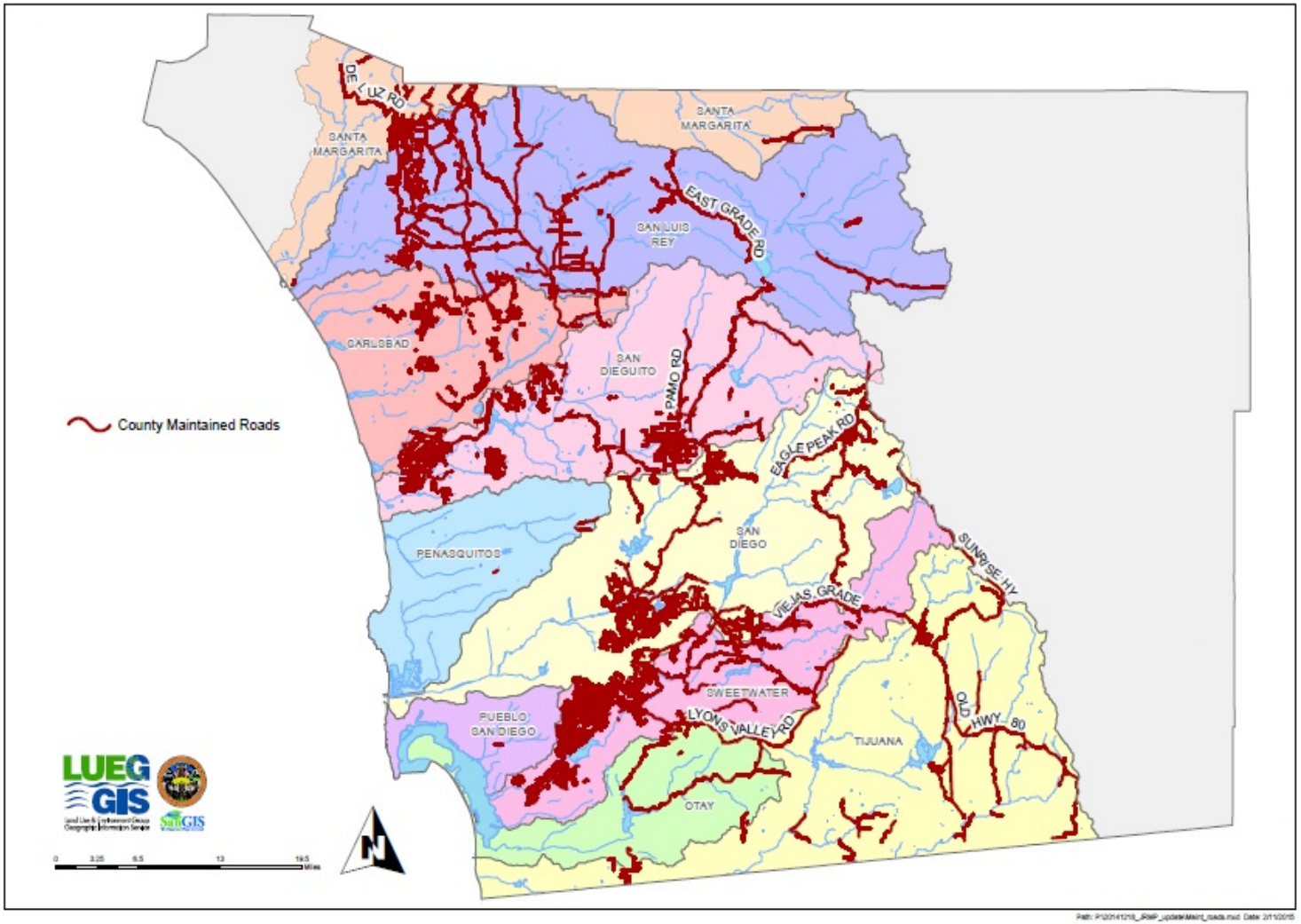


Figure 5.3-1 General Map of County Roads Network

Roads are among the highest priority sources of pollutants in the County Unincorporated area. Because waste generation for individual road segments tends to be highly variable, the County uses the Average Daily Traffic (ADT) as an indicator of the potential volume of trash and/or debris that may be generated. The table below presents the criteria used to prioritize roads, streets, and highways for sweeping. Individual roads, streets, and highways may also be re-prioritized as appropriate based on historical data, field observations, or other relevant factors.

Table 5.3-2 TTWQ Criteria for Roads, Streets and Highways

TTWQ	Category Description	Average Daily Traffic (ADT) Criterion
High	Roads, streets, highways, and parking facilities identified as consistently generating the highest volumes of trash and/or debris	ADT of more than 20,000 vehicles
Moderate	Roads, streets, highways, and parking facilities identified as consistently generating moderate volumes of trash and/or debris	ADT between 20,000 and 15,000 vehicles
Low	Roads, streets, highways, and parking facilities identified as generating low volumes of trash and/or debris	ADT of less than 15,000 vehicles

Parking facilities are assessed and reported individually in relation to the property or building in which it is associated. For example, parking-lots associated with road stations are assessed, maintained, and reported under the Road Stations Element (Section 5.3.2), as are lots associated with Parks (Section 5.3.9), Buildings (Section 5.3.10), etc.

Table 5.3-3 Overview of Program Activities Associated with Roads, Streets and Highways

Activity	Definition	Examples
Sweeping	Sweeping of roads provides two primary benefits to the County of San Diego. The more obvious benefit is the collection and removal of paper, leaves, and other visible debris in the gutters. Debris can block the catch basins and other stormwater facilities, causing localized flooding during heavy rains. An equally important, but less visible benefit is the removal of metal particles, and other toxic waste products left by passing vehicles.	▪ Sweeping inspection ▪ Scheduled sweeping ▪ Sweeping reports
Maintenance	One of the responsibilities of the County of San Diego, Roads Division is the maintenance of roads, streets and highways. The goal of this service is to effectively and economically preserve the County's 1,929 miles of roads infrastructure. Roads generally break up because preventive maintenance work was not done in a timely manner, there is more and heavier traffic on the roadway than it was built to handle, or the soil beneath the roadway fails. In addition to other maintenance activities, such as weed abatement and striping.	▪ Pothole repair ▪ Resurfacing ▪ Striping ▪ Weed abatement ▪ Pavement preventative maintenance

Activity	Definition	Examples
Public Service Requests	Besides presenting a poor appearance, litter and trash can cause traffic hazards and affect drainage. Each year DPW crews remove more than 1,300 tons of litter along County-maintained roads. Driving hazards and large items are their first priority for removal. The public can help by reporting trash.	▪ Graffiti toll free hotline (1-877-684-8000) ▪ Trash Help Line (858-874-4040)
Other Programs	Other programs require public assistance from businesses, or community commitment to implement new activities that can help to keep roads litter-free.	▪ Adopt-A-Road program: Designates certain road sections (two miles) for private assistance with litter removal.

5.3.2.3 Activities and Pollutants

The operation and maintenance of roads, streets, and highways involves a variety of activities with the potential to contribute to stormwater pollution. Table 5.3-3 above provides a general overview and description of key program activities. Attachment 5.10 lists the PGAs potentially associated with the operation of roads, streets, and highways, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with Roads, Streets, and Highways vary depending on their actual uses and operations, and may therefore differ from those presented. Attachment 5.4 presents and defines a comprehensive listing of PGAs applicable to municipal operations and program implementation

Attachment 2.1 shows the organizational relationship of DPW staff with primary responsibility for administering and implementing the Roads, Streets, and Highways element. Key roles and responsibilities are also summarized in Table 5.3-4.

Table 5.3-4 DPW Implementation Roles and Responsibilities for the Roads Element

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Roads Supervisors ▪ Equipment Operators
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Road Superintendents ▪ Asst. Road Superintendents ▪ Senior Civil Engineers
Staff and Contractor Training: DPW- road staff and contractors with runoff management responsibilities must receive training as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ Roads Supervisors
BMP Implementation	
BMP Implementation: BMPs are implemented by DPW- road staff and contractors as needed to address the specific activities and pollutants identified.	▪ Roads Supervisors ▪ Equipment Operators ▪ Construction Technicians
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of urban runoff within their areas of defined responsibility.	▪ Roads Supervisors ▪ Senior Civil Engineers
Inspections: Inspections are conducted to assess maintenance and cleaning requirements. The frequency of inspections is appropriate to confirm that BMPs are being implemented to reduce the discharge of pollutants in stormwater from the MS4 to the MEP and effectively prohibit non-stormwater discharges to the MS4 (Permit Section II.E.5.c.[1][a]ii)	▪ Equipment Operators

Program Activity	Responsible Staff
Special Investigations: Special studies and investigations are occasionally needed to evaluate BMP options or to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Management

5.3.2.4 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

The most important BMP for roads, streets, and highways is sweeping. The County has previously established an annual street sweeping target as a minimum standard for all paved roads regardless of location, infrastructure improvements, or proximity to watercourses. In addition, regular inspections are conducted to assess specific sweeping needs. By ensuring minimum sweeping frequencies, and progressively increasing effort where needed, the County ensures an appropriate level of cleaning for all its roads. Paved roads in urbanized areas or with infrastructure improvements are swept, on average, three times annually. Additionally, roadways with bike lanes are swept at least monthly to remove bicycle hazards such as glass.

Sweeping data are collected by DPW road crews. Sweeping frequency and amounts of material collected vary by area, which may indicate regional variability in road conditions or may simply be a reflection of the size and characteristics of the road crew territory itself. Other variables include weather, linear feet of curb/gutter and sidewalk (more in urban station areas), unique occurrences (fire, flood, etc.), and contractor performance.

Roads, Streets, and Highways must also meet the applicable requirements set out in the WPO, municipal facilities must meet the BMP standards established by the County for equivalent operations conducted at commercial and industrial businesses. The use of pollution prevention (P2) practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous at Roads, Streets, and Highways should be implemented. Specific BMP requirements are determined on a site-by-site basis to address the pollutant generating activities applicable to each facility. These requirements are reviewed annually and updated as necessary.

5.3.2.5 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the 2013 MS4 Permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum, the County inspects 20

percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.3 Municipal Separate Storm Sewer System (MS4) Element

5.3.3.1 Background

DPW flood control and road maintenance crews share responsibility for the maintenance of existing stormwater drainage structures and the construction of new County MS4 structures. Flood control personnel build and maintain flood protection structures and flood warning systems, collect hydrologic data, assure projects meet flood control requirements, and comply with Federal Emergency Management Agency (FEMA) guidelines for the National Flood Insurance Program. Road maintenance crews are responsible for monitoring and maintaining portions of the MS4 that are affiliated with the maintenance of roads, streets, and highways in the County Unincorporated area. They are responsible for the curb and gutter systems, culverts, and storm drain structures that are part of these roads, streets, and highways. They are also responsible for some portions of the MS4 that are easily accessible by road personnel such as flood control channels immediately adjacent to a road or highway system and within the County right-of-way. Flood control personnel are responsible for all other MS4 structures that are not associated with a road, street, or highway system.

5.3.3.2 Inventory

The County maintains approximately 4 miles of open channel, 2,065 miles of linear MS4 systems, 18,973 drainage inlets, and 13 flood detention structures in the County Unincorporated area. Flood control and roads maintenance crews work in conjunction to inspect, repair, and clean the MS4 to ensure that the system is working correctly and that stormwater is diverted away from populated areas. Inventories are maintained and recorded by road and flood control personnel in individual databases that are later combined for reporting purposes. Table 5.3-5 identifies the County's inspection prioritization criteria. Table 5.3-6 provides a summary of MS4 structure types and a brief description of each.

In order to ensure full compliance with the 2013 MS4 Permit, the County has established a TTWQ questionnaire to determine each municipal facility or property's potential threat and subsequent inspection priority rating. The questionnaire determines the TTWQ by asking questions about onsite activities, proximity to an ESA, and previous compliance history. The TTWQ of a site determines the audit frequency. Sites determined to have the highest TTWQ are inspected annually, while sites with a low threat are inspected every other year.

Table 5.3-5 TTWQ Criteria for MS4 Structures

TTWQ	Description	Inspection Criteria
High	MS4 structures that are inspected annually	▪ All new structures added to the MS4 inventory ▪ MS4 structures prone to flooding ▪ MS4 structures subject to Regional General Permit 53 standards (inspected annually between May 1 and September 30) ▪ MS4 structures subject to excessive amounts of trash and debris (accumulates trash and debris greater than 33 percent design capacity annually) ▪ MS4 structures that do not have a minimum of 2 years inspection data reflecting a low accumulation of trash and debris
Low	MS4 structures that are inspected at least every other year	▪ MS4 structures that do not meet the criteria for high priority and have 2 years of inspection data reflecting a low accumulation of trash and debris

Table 5.3-6 Inventory of MS4 Elements within the County Unincorporated Area

Flood Control Device / Structure	Description	Linear Miles	Number
MS4 Open Channels (Self Cleaning)	Lined concrete flood control channels are inspected and maintained by County Flood Control personnel. Inlets to flood control channels prevent trash and debris from entering and are considered self-cleaning.	4	Not applicable
Linear MS4 Systems (Non-Self Cleaning)	Drainage systems located on public land or easements are primarily inspected and maintained by Road crews. Linear road drainage systems include curbed streets, gutters, and ditches that run along the road. Tracked by centerline miles.	2,061	Not applicable
Storm Drain Inlets	Any entrance to an enclosed underground storm drain system that, by design, accepts surface water. Storm drain inlets and outlets include culvert openings and storm drain inlet boxes and cleanouts. Inlets commonly have grates that prevent large pieces of debris from entering the storm drain system and/or have boxes to trap debris. Inlets have to be regularly inspected and cleaned of debris by both Road and Flood Control personnel.	Not applicable	18,960
Catch Basins	Above-ground, catch (detention) basins typically are open, dry, sometimes vegetated basins that utilize an outlet structure with a small orifice at the bottom to control the outflow of the water volume. Sediment, litter, and debris are typically captured at the inlet of the basin, or within the entire basin. Catch basins are primarily maintained by Flood Control personnel.	Not applicable	13
Total MS4		2,065	18,973

5.3.3.3 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the PGAs potentially associated with the operation and maintenance of MS4 structures, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual structures vary depending on their actual uses and operations, and may therefore differ from those presented. Descriptions of PGAs applicable to these and other municipal operations and activities are provided in Attachment 5.4.

5.3.3.4 Program Implementation

Attachment 2.1 shows the organizational relationship of DPW staff with primary responsibility for administering and implementing the MS4 element. Key roles and responsibilities are summarized in Table 5.3-7.

Table 5.3-7 DPW Implementation Roles and Responsibilities for the MS4 Element

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable MS4 inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Flood Control and Road Crew Supervisors
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation.	▪ DPW Contract Administrator
Staff and Contractor Training: DPW- flood control staff and contractors with runoff management responsibilities receive training as determined and prioritized by County staff and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training will either be provided by County staff or required as a contract condition.	▪ DPW Contract Administrator ▪ DPW Training Coordinator ▪ Stormwater Inspection Staff
BMP Implementation	
BMP Implementation: BMPs are implemented by DPW – flood control staff and contractors as needed to address the specific activities and pollutants identified.	▪ Flood Control and Road Crew Supervisors ▪ Equipment Operators ▪ Road Structures Workers
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of urban runoff within their areas of defined responsibility.	▪ Flood Control and Road Crew Supervisors and Staff

Program Activity	Responsible Staff
Inspection of MS4 structures: Flood Control and Road Crew Supervisors are responsible for managing and scheduling inspections of stormwater drainage systems and assessing the need for cleaning and maintenance of the MS4. The frequency of inspections must be appropriate to confirm that BMPs are being implemented to reduce the discharge of pollutants in stormwater from the MS4 to the MEP and effectively prohibit non-stormwater discharges to the MS4 (Permit Section II.E.5.c.[1][a]ii)	▪ Flood Control and Road Crew Supervisors and Staff
MS4 Cleaning and Maintenance	▪ Flood Control and Road Crew Supervisors and Staff ▪ Contractors
MS4 Capital Improvement and Retrofitting Activities	▪ Flood Control and Road Crew Supervisors and Staff ▪ Contractors
Maintenance to Prevent Sanitary Sewer Infiltration	▪ Wastewater, Flood Control and Road Crew Personnel
Special Investigations: Special studies and investigations are occasionally needed to evaluate BMP options or to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Management

5.3.3.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Operation and maintenance of MS4 structures must also be conducted in accordance with the applicable requirements set out in the WPO. The use of P2 practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous for MS4 structures should be implemented.

The operation and maintenance of County MS4s also involves other BMPs such as gabions, rip rap energy dissipaters, debris gates, grates, filter inserts and linear gross solids removal devices (“Lizard”). These devices are inspected and cleaned regularly with vactor trucks and manual methods to ensure that they are clear of debris to prevent system backup and flooding. Specific BMP requirements are determined on a site-by-site basis to address the pollutant generating activities applicable to the area. These requirements are reviewed annually and updated as necessary.

5.3.3.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit’s requirements are being met and water quality protecting BMPs are functioning as needed and are

reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.4 Solid Waste Facilities Element

5.3.4.1 Background

The County DPW - Landfill Management Unit manages the County's inactive landfills and former refuse burning sites (burn sites). Although these sites no longer accept municipal solid waste (trash), continued monitoring and maintenance is required to minimize impacts to the environment and to protect public health and safety. To that end, the County regularly monitors landfill gas generation and migration, groundwater quality, and stormwater runoff quality. The County also maintains various systems at the sites to control landfill gas emissions, mitigate impacts to groundwater, and to manage the flow and discharge of stormwater. On most of the sites, vegetation is used to control surface erosion. The County maintains inactive transfer stations that were previously used for collection of municipal solid waste in the rural communities of Campo, Dulzura, Alpine, and Julian.

5.3.4.2 Inventory

All County Solid Waste Facilities including inactive and closed landfills and burn sites are listed in the County's inventory of existing municipal development. Thus, they are treated like all other facilities in this inventory with applicable BMP and inspection requirements as mandated by the 2013 MS4 Permit. Several of the these sites including the closed landfills and burn sites have additional ongoing pollution prevention activities onsite which are regulated through permits and requirements outside of the 2013 MS4 Permit, these include State Waste Discharge Requirements, which cover numerous aspects of pollution prevention from these sites including stormwater. The burn sites are located on private and public property and are inspected by the Department of Environmental Health (DEH) Local Enforcement Agency (LEA) to ensure compliance with California solid waste regulations. Maintenance of cover soils and post closure land use activities are regularly inspected to ensure there is no disturbance that could pose a threat to public health or the environment. The County ensures that all of these requirements are met, and additional information is available from the County's Solid Waste Local Enforcement Agency.

The County uses its TTWQ questionnaire to determine each Solid Waste facility's or property's potential threat and subsequent inspection priority rating. The TTWQ of a site determines the audit frequency. Sites determined to have the highest TTWQ are audited annually, while sites with a moderate threat are audited twice per permit cycle, and sites with a low threat are audited once per permit cycle.

Table 5.3-8 provides a summary of the Solid Waste Facilities Inventory maintained by the County. A complete inventory may be found in Attachment 5.8; Figure 5.3-2 shows the geographical distribution of these facilities.

Table 5.3-8 Overview of the County's Solid Waste Facilities Inventory

Type of Property	Description
Burn Sites (Inactive)	Unauthorized areas formerly used to collect and burn wastes prior to the availability of public landfills and services. Known burn sites are generally capped with a soil barrier and monitored or may be remediated (removal of all debris & ash). Due to the accumulated burning of solid waste over time, these sites may contain heavy metals and chemicals of environmental concern.

Closed Landfills (Inactive)	Former solid waste disposal sites that have been capped and retired, but are routinely monitored to prevent any release of waste. These sites generally consist of slopes and fields with native vegetation and minimal activity.
Transfer Stations	A remote location where solid wastes and/or recyclables were collected and transferred to a larger permanent solid waste facility.
Mitigation Sites	Property preserved as open space for mitigation purposes. Remediated (clean closed) burn-sites may be used as mitigation lands.
Buffer Properties	County owned property adjacent to a solid waste facility. Generally open space areas with native vegetation.

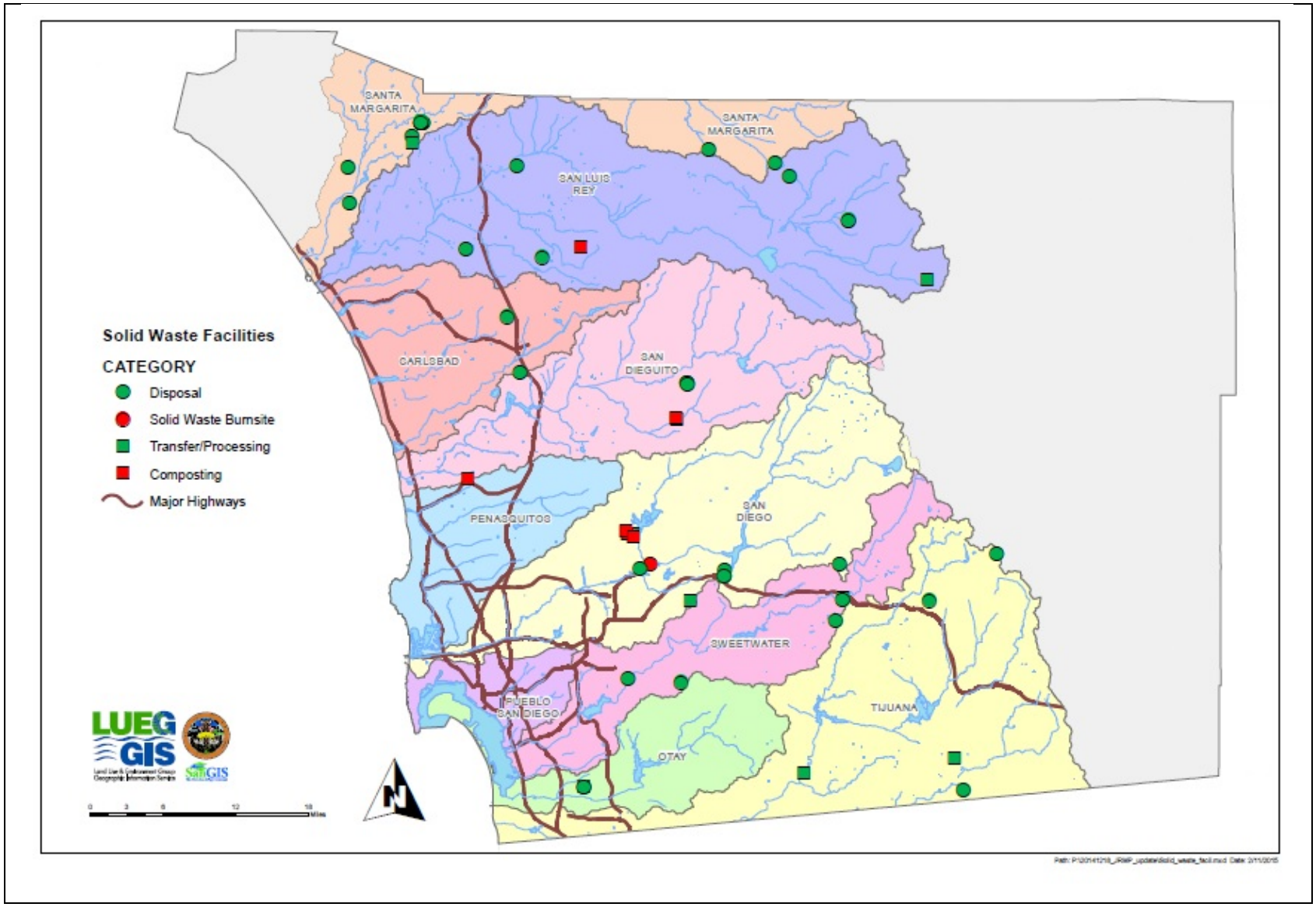


Figure 5.3-2 Solid Waste Facilities in the County Unincorporated Area

5.3.4.3 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the PGAs potentially associated with the operation of Solid Waste Facilities, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual use and operation, and may therefore differ from those presented.

5.3.4.4 Program Implementation

Attachment 2.1 shows the organizational relationship of DPW staff with primary responsibility for administering and implementing the solid waste facilities element. Key roles and responsibilities are also summarized in Table 5.3-9.

Table 5.3-9 DPW Implementation Roles and Responsibilities for the Solid Waste

Program Activity	Responsible Staff
ADMINISTRATIVE ACTIVITIES	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Unit Manager ▪ Sr. Civil Engineer ▪ Program Coordinator
Annual Pollution Prevention Plan Reviews: Stormwater pollution prevention plans (SWPPPs) are required for all industrial high priority facilities. Facility Pollution Prevention Plans (F3Ps) are required for those facilities that are not under the industrial permit, but covered under the municipal permit instead. Each SWPPP or F3P describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. SWPPPs and F3Ps are reviewed annually and updated as needed.	▪ Unit Manager ▪ Sr. Civil Engineer ▪ Program Coordinator ▪ Engineer Technician
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Unit Manager ▪ Sr. Civil Engineer ▪ Program Coordinator
Staff and Contractor Training: DPW- solid waste facility staff and contractors with runoff management responsibilities must receive training as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition	▪ Unit Manager ▪ Sr. Civil Engineer ▪ Program Coordinator
BMP IMPLEMENTATION	
SWPPP/F3P/BMP Implementation: BMPs are implemented by DPW – solid waste facilities staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified. Minimum BMP requirements and options are provided in required facility's SWPPP or F3P.	▪ Solid Waste Site Supervisors ▪ Engineer Technician ▪ Equipment Operators

Program Activity	Responsible Staff
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
COMPLIANCE VERIFICATION	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of urban runoff within their areas of defined responsibility.	▪ Sr. Civil Engineer ▪ Program Coordinator ▪ Engineer Technician
Facility Self-Inspection: Facility inspections are conducted regularly based on TTWQ priority frequency to assess compliance with runoff management requirements. The frequency of inspections are appropriate to confirm that BMPs are being implemented to reduce the discharge of pollutants in stormwater from the MS4 to the MEP and effectively prohibit non-stormwater discharges to the MS4 (Permit Section II.E.5.c.[1][a]ii) These typically consist of observations and records reviews.	▪ Sr. Civil Engineer ▪ Engineer Technician
Facility Auditing: Auditing of solid waste facilities is conducted by the DPW WPP Existing Development Group. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Varies

5.3.4.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Solid waste facilities must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous at solid waste facilities should be implemented.

Specific BMP requirements are determined on a site-by-site basis in each F3P or SWPPP to address the pollutant generating activities applicable to the facility. BMPs are implemented by Landfill Management and staff. BMP requirements are reviewed annually and updated as necessary.

5.3.4.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.5 Wastewater Facilities Element

5.3.5.1 Background

The DPW Wastewater Management Program operates an extensive wastewater collection system consisting of approximately 432 miles of gravity and transmission force mains, pump stations, and water pollution control facilities. The DPW Wastewater Management Program operates and maintains these facilities to prevent any adverse impact to surface and groundwater, health hazards, property damage and service interruptions resulting from accidental Sanitary Sewer Overflows (SSO).

5.3.5.2 Inventory

The Wastewater Management Program manages a variety of facilities including publicly owned treatment works, pump stations, conveyance structures, and an office headquarters. Table 5.3-10 provides an updated overview of the types of facilities maintained and operated by the County. These facilities are also mapped in Figure 5.3-3; a complete inventory of wastewater facilities is included in Attachment 5.8.

Table 5.3-10 Overview of the Wastewater Facilities Inventory

Type of Property	Description
Publicly Owned Treatment Works	A wastewater processing facility that removes waste and toxins from the water in order to meet standards for human health and the environment prior to discharge.
Pump Station	Pumping facilities used to pressurize the waste so that it can be transferred to a wastewater processing facility. The remote areas of land are generally unmanned and fenced off from the public.
Gravity/Force Mains/Manholes	Wastewater structures designed and operated to convey wastewater from sources to a treatment plant or similar facility.
Headquarters	Base of operations for DPW Wastewater personnel. Office building only.

Each Publicly Owned Treatment Works (POTW) has a discharge permit issued by the Regional Water Quality Control Board (Regional Board).

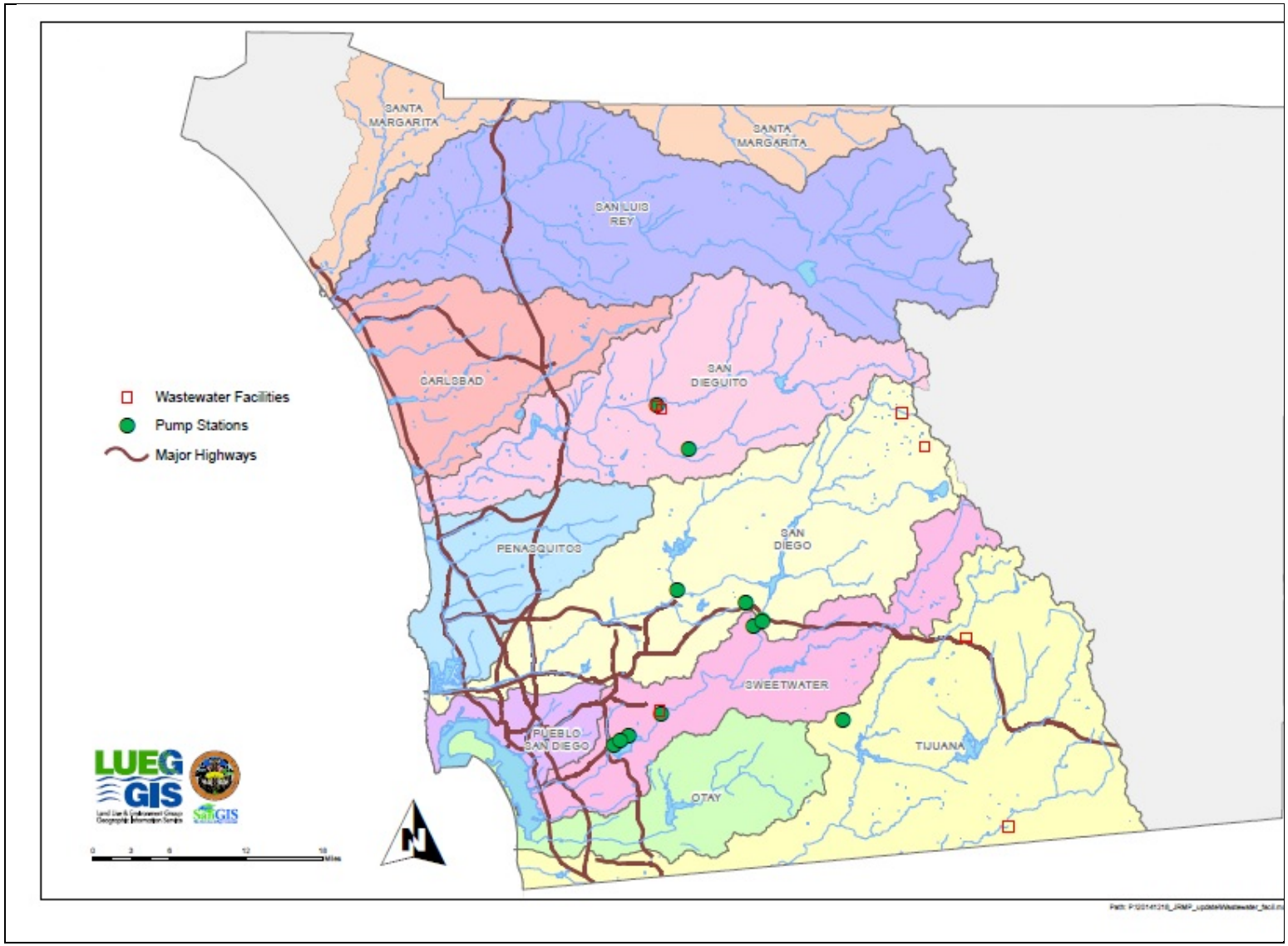


Figure 5.3-3 Wastewater Facilities in the County Unincorporated Area

5.3.5.3 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the PGAs potentially associated with the operation of wastewater facilities, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Descriptions of PGAs applicable to these and other municipal operations and activities are provided in Attachment 5.4.

5.3.5.4 Program Implementation

Attachment 2.1 shows the organizational relationship of DPW staff with primary responsibility for administering and implementing the wastewater facilities element. Key roles and responsibilities are also summarized in Table 5.3-11.

Table 5.3-11 DPW Implementation Roles and Responsibilities for the Wastewater

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews**:** To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Collections Engineering & Operations Senior Civil Engineer ▪ Wastewater Facilities Supervisors ▪ Sanitation Supervisors ▪ Facility Engineering & Operations Unit Manager
Annual Facility Pollution Prevention Plan (F3P) Reviews: F3Ps are required for all high priority facilities. Each F3P describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. F3Ps are reviewed annually and updated as needed.	▪ Civil Engineers ▪ Facility Engineering & Operations Unit Manager
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ CIP Project Manager ▪ District Admin. Unit Manager ▪ Facility Engineering & Operations Unit Manager ▪ Collection Engineering & Operations Senior Civil Engineer
Staff and Contractor Training: DPW - Wastewater Management facilities staff and contractors with runoff management responsibilities must receive training as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ Collection Engineering & Operations Manager ▪ District Admin. Unit Manager ▪ CIP Project Manager ▪ Facility Engineering & Operations Unit Manager ▪ Wastewater Facilities Supervisors ▪ Sanitation Supervisors

Program Activity	Responsible Staff
BMP Implementation	
F3P/ BMP Implementation: BMPs are implemented by DPW - Wastewater Management facilities staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified for each site or facility. Minimum BMP requirements and options are provided in required facility's F3P.	▪ Wastewater Facilities Supervisors ▪ Sanitation Supervisors ▪ Equipment Operators ▪ Wastewater Plant Operators
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of runoff within their areas of defined responsibility.	▪ Collection Engineering & Operations Manager ▪ Sanitation Supervisors ▪ Wastewater Facilities Supervisor
Facility Self-Inspection: Quarterly and monthly facility inspections are conducted to assess compliance with runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed.	▪ Wastewater Facilities Supervisors ▪ Wastewater Plant Operators
Facility Auditing: Auditing of DPW - Wastewater Management facilities is conducted by the DPW WPP Existing Development Group. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Varies

5.3.5.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Wastewater facilities must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous at wastewater facilities should be implemented.

Specific BMP requirements are determined on a site-by-site basis in each facility's F3P to address the pollutant generating activities applicable to the facility. BMPs are implemented by Wastewater Management and staff. BMP requirements are reviewed annually and updated as necessary.

5.3.5.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.6 Road Stations Element

5.3.6.1 Background

The DPW oversees the Roads Division, which manages road facilities servicing almost 2,000 miles of San Diego County public roads. The road station crews in bright orange vests, shirts and hard hats, are the most visible part of DPW, responding to requests for services including improvement projects, street sweeping, pothole repair, tree trimming, etc.

5.3.6.2 Inventory

The County operates a number of road facilities and oversees additional County-owned properties leased by third parties for commercial business. Roads Division crews oversee the operation of the following types of facilities: road stations, closed road stations, borrow pits, excess right-of-ways, and leased properties. The TTWQ of a site determines the audit frequency. Sites determined to have the highest TTWQ are audited annually, while sites with a moderate threat are audited twice per permit cycle, and sites with a low threat are audited once per permit cycle. The County has designated "Corporate yards" as high TTWQ and individual road facilities are assessed further for TTWQ by WPP. Attachment 5.8 provides a watershed-based inventory of the road facilities owned or operated by the County, and Table 5.3-12 provides a description of the major types of facilities. Figure 5.3-4 shows the geographical distribution of these facilities.

Table 5.3-12 Overview of the County's Road Facilities Inventory

Type of Property	Description
Road Stations	County-owned and operated staging areas for County Road Maintenance. Facilities generally include DPW and DGS operations such as buildings for equipment and material storage, crew offices, garages for vehicle and equipment maintenance, vehicle wash rack, and fueling station.
Closed Road Stations	Vacant County-owned parcels of land that were once used as road stations.
Borrow Pits	Parcels of land used as temporary storage of raw materials during road maintenance.
Excess Right of Way	Open space area adjacent to roads for future expansion and clearance from private lands. May be used temporarily as a road maintenance staging area.
Leased Properties	County-owned properties leased by third parties for commercial business.

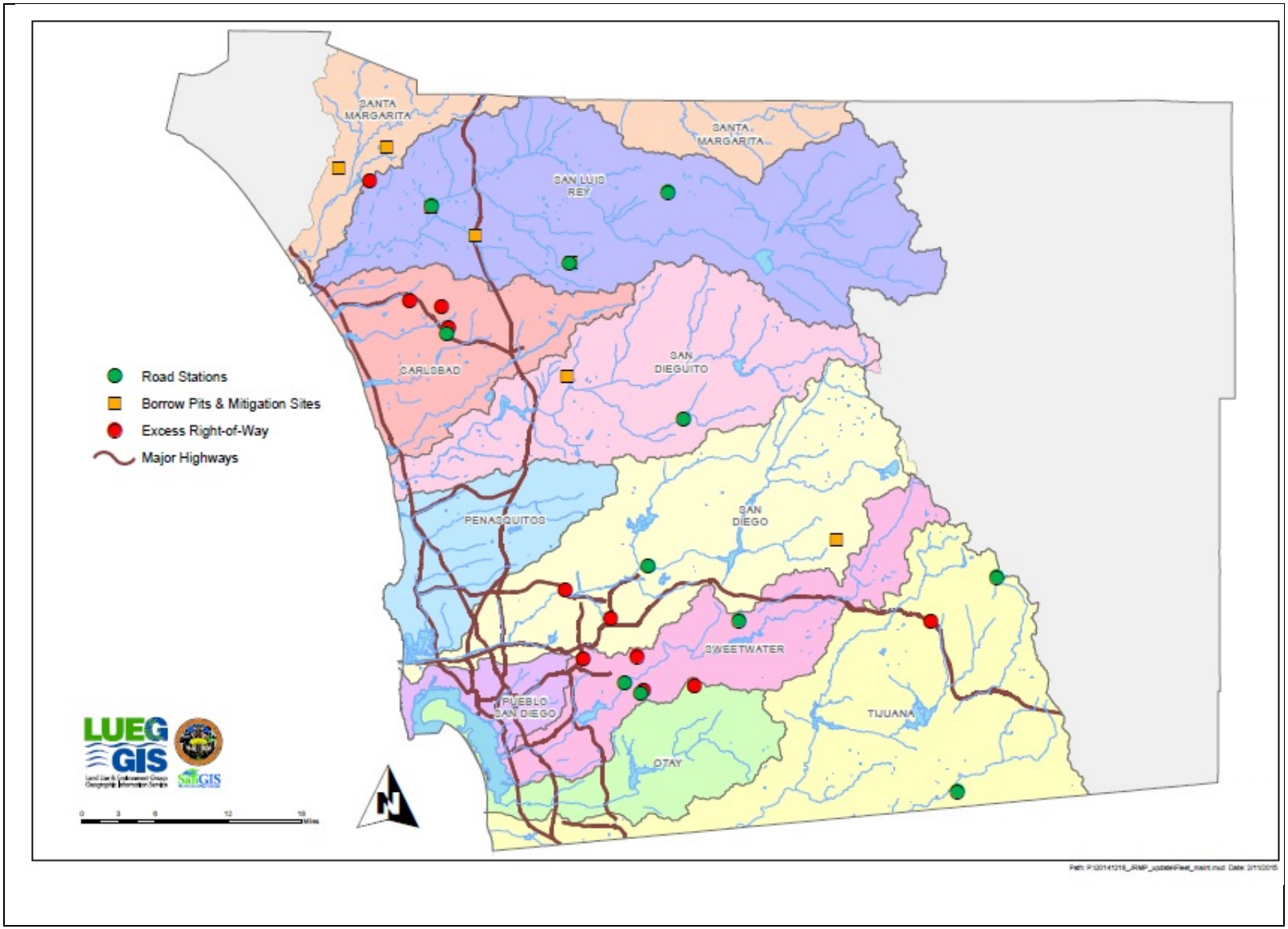


Figure 5.3-4 Road Stations and Related Facilities

5.3.6.3 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the PGAs potentially associated with the operation of each major category of road facility, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Descriptions of PGAs applicable to these and other municipal operations and activities are provided in Attachment 5.4.

5.3.6.4 Program Implementation

Attachment 2.1 shows the organizational relationship of DPW staff with primary responsibility for administering and implementing the road facilities element. Key roles and responsibilities are also summarized in Table 5.3-13.

Table 5.3-13 DPW Implementation Roles and Responsibilities for the Road Facilities Element

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Road Stations Supervisors ▪ Equipment Operators ▪ Roads Workers
Annual Facility Pollution Prevention Plan (F3P) Reviews: F3Ps are required for all high priority facilities. Each F3P describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. F3Ps are reviewed annually and updated as needed.	▪ Road Stations Supervisors, Equipment Operators, and Roads Workers
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Transportation Division, ▪ Road Stations Managers
Staff and Contractor Training: DPW- Road Stations staff and contractors with runoff management responsibilities must receive training as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ Road Stations Supervisors ▪ Equipment Operators ▪ Roads Workers ▪ Contractors staff
BMP Implementation	
F3P/ BMP Implementation: BMPs are implemented by DPW- Road Stations staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified for each site or facility. Minimum BMP requirements and options are provided in required facility's F3P.	▪ Road Stations Equipment Operators ▪ Roads Workers ▪ Stormwater Teams

Program Activity	Responsible Staff
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of urban runoff within their areas of defined responsibility.	▪ All staff
Facility Self-Inspection: Monthly facility inspections are conducted to assess compliance with urban runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed..	▪ Equipment Operators ▪ Roads Workers
Facility Auditing: Auditing of Road Station facilities is conducted by the DPW WPP Existing Development Group. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Varies

5.3.6.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Road facilities must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous at road facilities should be implemented.

Specific BMP requirements are determined on a site-by-site basis in each facility's F3P to address the pollutant generating activities applicable to the facility. BMPs are implemented by road management and staff. BMP requirements are reviewed annually and updated as necessary.

5.3.6.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.7 Fleet Maintenance Element

5.3.7.1 Background

The Department of General Services (DGS) oversees the Fleet Management Division which provides support, repair and preventive maintenance services for County-owned vehicles and equipment. Fleet Management maintains a part shop, manages the County's vehicle replacement program, supervises operations of the fueling station facilities, and manages yearly vehicle registration, licensing, emissions and safety inspection processes.

5.3.7.2 Inventory

The County of San Diego Fleet Management Division operates the County's garage facilities and oversees the fuel stations. The TTWQ of a site determines the audit frequency. Sites determined to have the highest TTWQ are audited annually, while sites with a moderate threat are audited twice per permit cycle, and sites with a low threat are audited once per permit cycle. "Corporate yards" are designated as high TTWQ by the County and individual fleet facilities are assessed further for TTWQ by WPP. Table 5.3-14 provides a description of the types of facilities. Attachment 5.8 provides a watershed-based inventory of all of the garage facilities and fuel stations.

Table 5.3-14 Overview of the County's Fleet Facilities Inventory

Type of Property	Definition
Garage	An establishment where cars are repaired, serviced, or parked. Commonly co-located with DPW Road Stations.
Fuel Station	A facility equipped to dispense fuel and lubricants for motor vehicles. Commonly co-located with DPW Road Stations.

5.3.7.3 Activities and Pollutants

Attachment 5.10 lists the PGAs potentially associated with the operation of each major category of Fleet Management Division facilities, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Attachment 5.4 presents and describes a comprehensive listing of PGAs applicable to municipal operations and activities.

5.3.7.4 Program Implementation

Attachment 2.1 shows the organizational flow chart for DGS staff with primary responsibility for administering and implementing the Fleet Management element. Key roles and responsibilities are also summarized in Table 5.3-15.

Table 5.3-15 DGS Implementation Roles and Responsibilities for Fleet

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Director Fleet ▪ Fleet Manager ▪ Fleet Team Leaders
Annual Facility Pollution Prevention Plan (F3P) Reviews: F3Ps are required for all high priority facilities. Each F3P describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. F3Ps are reviewed annually and updated as needed.	▪ Director Fleet ▪ Fleet Manager ▪ Fleet Team Leaders
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Staff and Contractor Training: DGS- fleet management facilities staff and contractors with runoff management responsibilities must receive training as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ Fleet Manager ▪ Fleet Team Leaders ▪ Fleet Technicians
BMP Implementation	
F3P/ BMP Implementation: BMPs are implemented by DGS – fleet management facilities staff and contractors as needed to address the specific activities and pollutants identified for each site or facility. Minimum BMP requirements and options are provided in required facility's F3P.	▪ Fleet Team Leaders ▪ Fleet Technicians ▪ Fuel Specialist
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of runoff within their areas of defined responsibility.	▪ Fleet Manager ▪ Fleet Team Leaders ▪ Fleet Technicians ▪ Fuel Specialist

Program Activity	Responsible Staff
Facility Self-Inspection: Monthly facility inspections are conducted to assess compliance with runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed..	▪ Fleet Coordinators ▪ Fleet Technicians ▪ Fleet Parts Specialists ▪ Fleet Support Specialist ▪ Fuel Specialist
Facility Auditing: Auditing of DGS – fleet management facilities staff is conducted by the DPW WPP Existing Development Group. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Varies

5.3.7.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Fleet Management locations must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged, as practicable. P2 practices that are generally recognized as being effective and economically advantageous at Fleet Management locations should be implemented.

Specific BMP requirements are determined on a site-by-site basis in each facility's F3P to address the PGAs applicable to the facility. BMPs are implemented by fleet management and staff. BMP requirements are reviewed annually and updated as necessary.

5.3.7.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.8 Municipal Airfields Element

5.3.8.1 Background

The County owns and operates four municipal airports within Region 9. These airports are located in the communities of Fallbrook, El Cajon, Carlsbad, and Ramona. Although all County airports share the basic similarity of providing flight and transportation services, each has unique surroundings and distinctive characteristics.

The DPW Transportation Division operates airports where activities typically include the maintenance of runways, ramps, terminals, hangars, and access roads. Airport operations also include leasing hangars, aircraft tie down space, and other areas of the airport property. Lessee's are required to comply with the "Rules and Regulations" for County Airports, which includes stormwater and water quality requirements.

5.3.8.2 Inventory

Table 5.3-16 is a summary inventory of County Airports. Attachment 5.8 contains a complete inventory of the municipal airfields. The TTWQ of a site determines the audit frequency. Sites determined to have the highest TTWQ are audited annually, while sites with a moderate threat are audited twice per permit cycle, and sites with a low threat are audited once per permit cycle.

Table 5.3-16 Overview of the County's Airports Inventory

Airport	Address	Acreage
Fallbrook Community Airport	2100 S. Mission Road, Fallbrook	290
Gillespie Field Airport	1960 Joe Crosson Drive, El Cajon	775
McClellan-Palomar Airport	2198 Palomar Airport Road, Carlsbad	487
Ramona Airport	2450 Montecito Road, Ramona	378

5.3.8.3 Activities and Pollutants

Attachment 5.10 provides a list of PGAs typically conducted at Airport Facilities. It also shows the POCs generally associated with each PGA type.

Aircraft maintenance, fueling and repair are the primary activities that occur at airports. Secondary activities such as ramp and runway inspection and maintenance are required due to safety and maintaining compliance with the Federal Aviation Administration (FAA) regulations. Many of these activities already incorporate effective BMPs that assist with the facilitation of water quality protection.

Specific BMP requirements are determined on a site-by-site basis in each SWPPP to address PGAs applicable to the facility. BMPs are implemented by airports management and staff. BMP requirements are reviewed annually and updated as necessary.

5.3.8.4 Program Implementation

Attachment 2.1 shows an organizational flow chart for DPW staff with primary responsibility for administering and implementing the Airports element.

Two County airports are within the jurisdictional boundaries of incorporated cities: Gillespie Airport in the city of El Cajon and Palomar-McClellan Airport in the City of Carlsbad. Stormwater facility inspections may be coordinated with the County Airport representatives and stormwater inspectors from El Cajon and Carlsbad, respectively, to ensure compliance with water quality laws and regulations. Leases and contracts for fixed base operators, lessees, tenants, permit holders, and other airport users require each to abide by the "County of San Diego Airports Rules and Regulations," which includes general and specific provisions for airport activities, as well as stormwater and water quality prohibitions.

Table 5.3-17 describes the designation of responsibilities and minimum frequencies for the program planning, facilitation activities, BMP implementation and feedback and verification review for Airport Facilities elements.

Table 5.3-17 Program Implementation Roles and Responsibilities for Airports

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, sources, BMP requirements, policies and procedures, and implementation strategies.	▪ Airport Managers ▪ Civil Engineer ▪ Contracted Airport Manager
Annual Stormwater Pollution Prevention Plan (SWPPP) Reviews: SWPPPs are required for all high priority facilities. Each SWPPP describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. SWPPPs are reviewed annually and updated as needed.	▪ Airport Managers ▪ Civil Engineer ▪ Contracted Airport Manager ▪ Airport Technicians ▪ Airport Assistant Manager
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Staff and Contractor Training: DPW – airport facilities staff and contractors with runoff management responsibilities must receive training as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ Airport Managers ▪ Civil Engineer ▪ Contracted Airport Manager ▪ Airport Technicians ▪ Airport Assistant Manager ▪ Airport Coordinators ▪ Airport Operators

Program Activity	Responsible Staff
BMP Implementation	
F3P/ BMP Implementation: BMPs are implemented by DPW – airport facilities staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified for each site or facility. Minimum BMP requirements and options are provided in required facility's SWPPP.	▪ Airport Managers Civil Engineer ▪ Contracted Airport Manager ▪ Airport Technicians ▪ Airport Assistant Manager ▪ Airport Coordinators ▪ Airport Operators
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of runoff within their areas of defined responsibility.	▪ Airport Managers ▪ Civil Engineer ▪ Contracted Airport Manager ▪ Airport Technicians ▪ Airport Assistant Manager ▪ Airport Coordinators ▪ Airport Operators
Facility Self-Inspection: Quarterly facility inspections are conducted to assess compliance with urban runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed..	▪ Airport Managers ▪ Contracted Airport Manager ▪ Airport Technicians ▪ Airport Assistant Manager
Facility Auditing: Auditing of airport facilities is conducted by the DPW WPP Existing Development Group. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Varies

5.3.8.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which

ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

County Airports must meet the requirements set forth in the WPO.

Airports are designated as industrial facilities under the Standardized Industrial Classification: 4581. This designation requires airports to comply with the Industrial General Permit. SWPPPs and annual reports are completed for each airport and updated annually. The County Airports program participates in group monitoring to fulfill monitoring requirements for the Industrial General Permit.

All airport BMPs are implemented to the maximum extent practicable, however they do not take precedence over federal and state safety regulations and associated requirements.

5.3.8.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.9 Parks and Recreational Facilities Element

5.3.9.1 Background

Parks and Recreational Facilities enhance the quality of life in San Diego County by providing open space and recreational opportunities for residents and visitors. The Department of Parks and Recreation (DPR) manages many park locations totaling over 47,000 acres. A comprehensive program of maintenance, acquisition, and development of recreation facilities includes local and regional parks, fishing lakes, community centers, special use facilities, ecological preserves, and open spaces. Facilities are open year-round and are operated and maintained by County staff, volunteers, and service contracts.

5.3.9.2 Inventory

DPR crews oversee the operation and maintenance of open space parks, regional parks, local parks, sport parks, community centers, historical sites, and operation centers. Attachment 5.8 provides a watershed-based inventory of all of the Parks and Recreational facilities owned or operated by the County. Table 5.3-18 provides a description of each facility type. Figure 5.3-5 shows the geographical distribution of these facilities.

Table 5.3-18 Overview of the County's Parks and Recreational Facilities

Type of Property	Description
Open Space Parks	Open Space Parks are areas generally free from development or developed with low intensity uses that respect natural environmental characteristics. Open Space Parks preserve natural resources and allow passive outdoor recreation and scenic enjoyment.
Regional Parks	Regional Parks are typically larger park facilities that can accommodate multiple uses or activities. These parks serve a population within a five-mile radius or greater.
Local Parks	Local Parks are typically smaller park facilities that serve a population within a 1-mile radius.
Sports Parks	These park lands commonly include sport fields, courts, and/or tracks.
Community Centers	Community Centers are facilities that meet the recreational, educational, and social needs of the local residents by offering services such as classes, events, and recreational activities.
Historic Sites	Buildings and property with historical significance have been preserved in the County as Historical Sites. Historical Sites offer the public recreational and educational opportunities through exhibits, collections, demonstrations, and activities.
Operations Centers	These facilities act as a base of operations for DPR personnel and provide storage for equipment and materials.

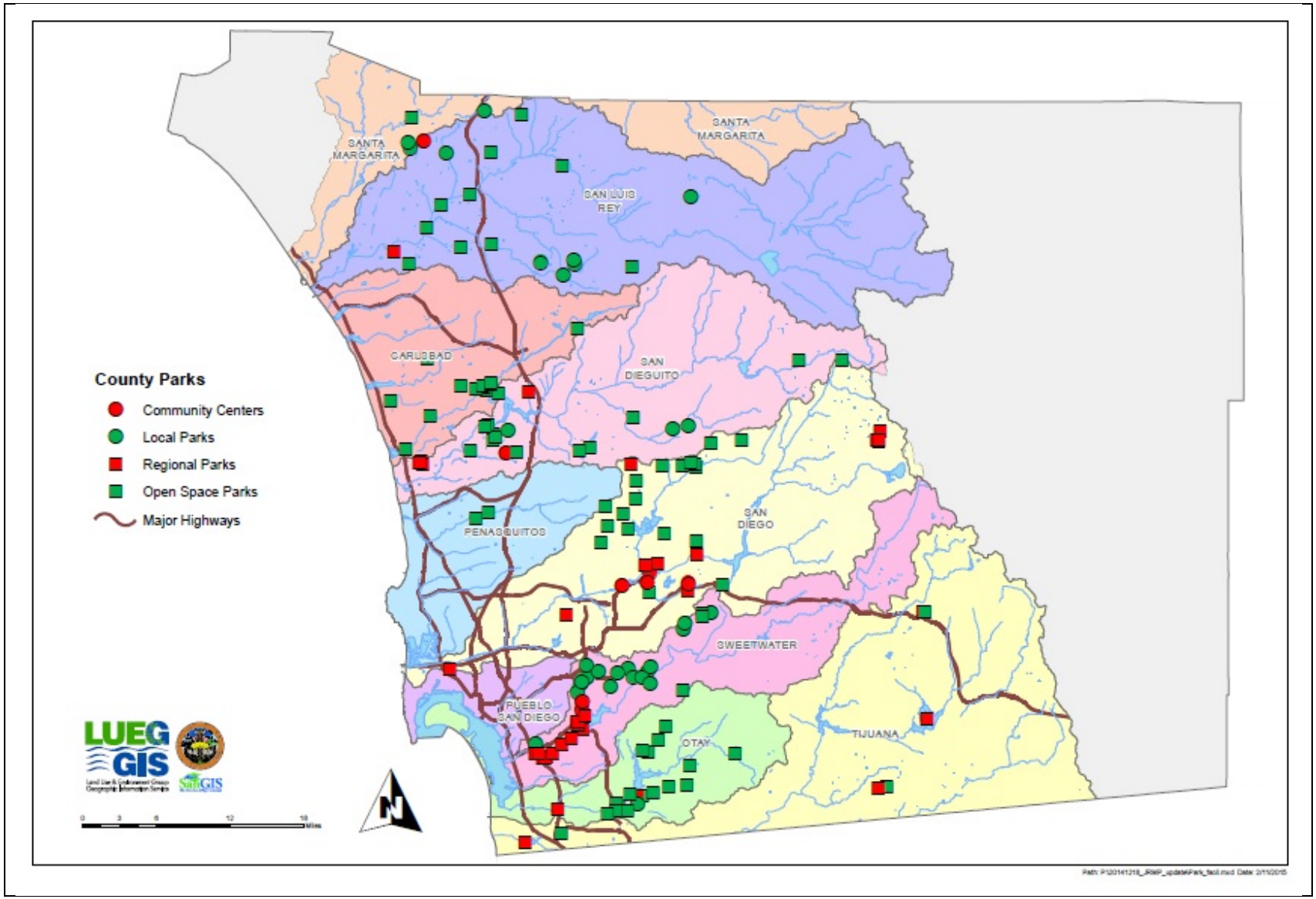


Figure 5.3-5 Parks and Recreational Facilities in the County Unincorporated Area

5.3.9.3 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the PGAs potentially associated with the operation of each major category of parks and recreational facilities, and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Descriptions of PGAs applicable to these and other municipal operations and activities are provided in Attachment 5.4.

5.3.9.4 Program Implementation

Attachment 2.1 shows the organizational relationship of staff with primary responsibility for administering and implementing the Parks and Recreational Facilities Element. Key roles and responsibilities are also summarized in Table 5.3-19.

Table 5.3-19 DPR Implementation Roles and Responsibilities for Parks and Recreation

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Deputy Director ▪ Chief, Departmental Operations (North County) ▪ Chief, Departmental Operations (South County) ▪ District Managers
Annual Facility Pollution Prevention Plan (F3P) Reviews: F3Ps are required for all high priority facilities. Each F3P describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. F3Ps are reviewed annually and updated as needed.	▪ District Managers ▪ Supervising Rangers ▪ Senior Park Rangers ▪ Senior Park Maintenance Workers ▪ Parks Recreational Supervisors
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ District Managers
Staff and Contractor Training: DPR staff and contractors with runoff management responsibilities must receive training as determined appropriate and prioritized by County jurisdiction and/or watershed, to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ District Managers ▪ Contractors ▪ Park Rangers ▪ Parks Recreational Supervisors ▪ Park Attendants ▪ Park Maintenance Workers ▪ Equipment Operators

Program Activity	Responsible Staff
BMP Implementation	
F3P/ BMP Implementation: BMPs are implemented by DPR staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified for each site or facility. Minimum BMP requirements and options are provided in required facility's F3P.	▪ Parks Recreational Supervisors ▪ Park Rangers ▪ Recreation Program Coordinators ▪ Contractors ▪ Park Attendants ▪ Park Maintenance Workers ▪ Equipment Operators
Contract Work: DPR, through the County's Purchasing and Contracting Department, has incorporated legal language in its contracts to notify consultants and contractors about their obligations regarding stormwater regulations. Contracts for work (construction, maintenance, repair, or other work with the potential to release pollutants to the MS4) include provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of runoff within their areas of defined responsibility.	▪ All staff
Facility Self-Inspection: Quarterly facility inspections are conducted to assess compliance with runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed..	▪ District Park Managers ▪ Recreation Program Managers ▪ Park Rangers ▪ Parks Recreational Supervisors ▪ Equipment Operators ▪ Park Attendants ▪ Park Maintenance Workers
Facility Auditing: Auditing of Parks and Recreational Facilities is conducted by the DPW WPP Existing Development Group. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis.	▪ Varies

5.3.9.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing

development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Parks and Recreational facilities must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous at Parks and Recreational facilities should be implemented.

Specific BMP requirements are determined on a site-by-site basis in each facility's F3P to address the pollutant generating activities applicable to the facility. BMPs are implemented by DPR management and staff. BMP requirements are reviewed annually and updated as necessary.

5.3.9.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.10 Office Buildings and Other Municipal Facilities Element

5.3.10.1 Background

The County owns and operates a variety of offices buildings and other municipal facilities throughout the San Diego Region. As part of the County's municipal obligation, these facilities are inspected and monitored internally. Due to the general nature of these offices and facilities many are inspected and maintained by the County DGS. While DGS monitors and inspects a majority of these facilities, other County departments such as DEH, Health and Human Services Agency (HHSA), DPW, AWM, Clerk of the Board (COB), Probation (DOP), Sheriff's Department, and the Controller and Assessors Office are obligated to meet stormwater standards for the activities they perform in respect to the facilities they occupy or use.

5.3.10.2 Inventory

The County operates a large inventory of office buildings and other municipal facilities. "Other municipal facilities" include all remaining miscellaneous facilities that are not easily categorized. Many of these facilities are occupied by a variety of County departments, but are maintained by DGS. Attachment 5.8 provides a watershed-based inventory of facilities that have the potential to affect the MS4 and receiving waters. Table 5.3-20 provides a description of each facility type.

Table 5.3-20 Overview of Office Buildings & Municipal Facilities

Type of Property	Description
Agriculture Weights and Measures Facilities	The Department of Agriculture, Weights and Measures operates a satellite location in Chula Vista with staff, vehicles, and chemicals.
Animal Shelters	Animal shelters are operated by County Department of Animal Services Control. These facilities temporarily house animals and serve as operational centers for Animal Control Services personnel.
Courthouses	Courthouses are operated by a multitude of County and State employees who provide legal services and civil protection.
Detention Facilities	Facilities operated by the County of San Diego Probation or Sheriff's Department that house those suspected or convicted of a crime and/or provide monitoring and outreach for offenders.
Libraries	Facilities primarily operated by the County Library Department that distribute books and other media information to the general public.
General Offices	Office buildings where County workers perform work tasks, documentation, etc.
Household Hazardous Waste (HHW) Collection Facilities	DEH Community Health Division oversees collection facilities providing services for approximately 169,000 households in the County Unincorporated area. The facilities provide residents with a responsible way to dispose or recycle their HHW. HHW collection occurs outdoors, however HHW is stored in containers under cover.

Type of Property	Description
HHSA Facilities	Facilities operated by the Health and Human Service Agency include health centers, family resource centers, children housing centers, psychiatric hospitals, senior citizen assistance centers, drug rehabilitation assistance centers, and other health related facilities. Some of these facilities act as housing for their clients.
Regional Operations Centers	Regional and operations centers usually contain various County departmental offices and/or operations within a business park like campus. Many of the activities that occur at these facilities are common, which make it difficult to assign responsibilities to individual departments.
Sheriff's Facilities	Facilities operated by the County of San Diego Sheriff's Department which include communication centers, crime labs, stations and substations used to store sheriff equipment and offices for personnel.

5.3.10.3 Activities and Pollutants

Attachment 5.10 lists the PGAs potentially associated with the operation of each major category of office buildings and other municipal facilities and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Attachment 5.4 presents and describes a comprehensive listing of PGAs applicable to municipal operations and activities.

5.3.10.4 Program Implementation

Table 5.3-21 summarizes key roles and responsibilities in implementing this element.

Table 5.3-21 Implementation Roles and Responsibilities for Other Municipal Facilities

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ DGS Facility Analyst ▪ DGS Facility Support Managers ▪ DGS Project Manager/Coordinator ▪ Other Dept. Management
Annual Facility Pollution Prevention Plan (F3P) Reviews: F3Ps are established for all high priority facilities. Each F3P describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. F3Ps are reviewed annually and updated as needed.	▪ DGS Facility Analyst ▪ DGS Facility Support Managers ▪ DGS Project Manager/Coordinator ▪ Other Facility staff
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ DGS Facility Contract Manager ▪ DGS Safety Coordinator ▪ DGS Facility Analyst ▪ Other Dept. Management

Program Activity	Responsible Staff
Staff and Contractor Training: DGS - offices buildings and other municipal facilities staff and contractors with urban runoff management responsibilities as determined and prioritized by County jurisdiction and/or watershed to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ DGS Facility Contract Manager ▪ DGS Safety Coordinator ▪ DGS Facility Analyst ▪ Dept. Training Coordinators
BMP Implementation	
F3P/BMP Implementation: BMPs are implemented by DGS - offices buildings and other municipal facilities staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified for each site or facility. Minimum BMP requirements and options are provided in required facility's F3P.	▪ DGS Facility Support Managers ▪ Other Facility Staff ▪ Building Maintenance Supervisors
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of runoff within their areas of defined responsibility.	▪ DGS Facility Analyst ▪ DGS Facility Support Managers ▪ Building Maintenance Supervisors ▪ Other Facility Staff
Facility Self-Inspection: Quarterly or monthly facility inspections are conducted to assess compliance with urban runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed..	▪ DGS Facility Analyst ▪ DGS Facility Support Managers ▪ Building Maintenance Supervisors ▪ Other Facility Staff
Facility Auditing: Auditing of offices buildings and other municipal facilities is conducted by the DPW WPP Existing Development Section. Auditing schedules and frequencies are determined based on TTWQ and compliance history.	▪ DPW WPP Inspectors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis, and as funding is available.	▪ Varies

5.3.10.5 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Office buildings and other municipal facilities must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged where practicable. P2 practices that are generally recognized as being effective and economically advantageous at offices buildings and other municipal facilities should be implemented.

Specific BMP requirements are determined on a site-by-site basis in each facility's F3P to address the pollutant generating activities applicable to the facility. BMPs are implemented by DGS or other assigned county staff. BMP requirements are reviewed annually and updated as necessary.

5.3.10.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum, the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.11 Pesticides, Herbicides and Fertilizer Management Element

5.3.11.1 Background

All pesticide, herbicide, and fertilizer applications conducted by county staff are performed consistent with the laws and regulations set forth in the California Food and Agricultural Code, the California Code of Regulations, and the State General Permit for aquatic pesticide application to waters of the United States. Environmental and atmospheric conditions are considered prior to a pesticide application. Pesticide applications are monitored through inspections conducted by the County Department of Agriculture's Pesticide Regulatory Program (PRP). Required permits for the application of Restricted Use Pesticides are obtained through the PRP program that conducts an assessment of environmental factors as part of the permitting process. The County requires the implementation of all required BMPs associated with the application, storage, and disposal of pesticides, herbicides and fertilizers to reduce their exposure to stormwater to the maximum extent practicable. These BMPs include educational activities, permits, certifications, and other measures for applicators and distributors as appropriate.

Pesticide applicators employed by the County are required to obtain and maintain Qualified Applicator Certification (QAC) in categories consistent with the scope of pesticides applications they perform. Certification is obtained through the California Department of Pesticide Regulation and maintenance of certification includes fulfillment of continuing education credit requirements. The County of San Diego also employs Integrated Pest Management (IPM) methodology. IPM assesses the entire life cycle of a pest and its interaction with the environment and determines the most suitable techniques to reduce pest populations to acceptable levels while minimizing the use of pesticides and herbicides thus reducing their potential impact upon humans and the environment.

The management of pesticides, herbicides and fertilizers in parks as well as all other County-owned open spaces is the responsibility of the respective department. The Department of Parks and Recreation has certified applicators within their personnel and other departments, such as General Services, have certified contractors that provide the service on behalf of the County. AWM has certified applicators that provide support and oversee the proper use of pesticides, herbicides, and fertilizers along County paved and unpaved roads, excess right of ways, grounds landscaping, etc.

5.3.11.2 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the PGAs potentially associated with the application of pesticides, herbicides, and fertilizers and indicates the POCs typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Descriptions of PGAs applicable to these and other municipal operations and activities are provided in Attachment 5.4.

5.3.11.3 Program Implementation

Attachment 2.1 shows the organizational flow chart for AWM staff with primary responsibility for administering and implementing the Pesticides, Herbicides, and Fertilizer Element. Key roles and responsibilities are also summarized in Table 5.3-22.

Table 5.3-22 AWM Implementation Roles and Responsibilities for the Pesticides, Herbicides, and Fertilizer Element

Program Activity	Responsible Staff
Administrative Activities	
Annual Program Reviews: To ensure continued compliance with the permit and implementation plans, program managers annually review applicable facilities inventories, BMP requirements, policies and procedures, and implementation strategies.	▪ Agricultural Commissioner ▪ Assistant Director ▪ AWQ/Stormwater Deputy ▪ Pest Detection Program Coordinator ▪ Pesticide Regulation/HazMat Deputy ▪ Information Technology Principle
Annual SWPPP Reviews: An SWPPP is required for all high priority facilities. The SWPPP describes the facility location, identifies and describes onsite PGAs, describes BMP requirements, and identifies implementation roles and responsibilities. The SWPPP is reviewed annually and updated as needed.	▪ DGS Facility Analyst ▪ DGS Facility Support Managers ▪ DGS Project Manager/Coordinator
Contract Administration: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Assistant Director ▪ Deputy Director
Staff and Contractor Training: AWM staff and contractors with runoff management responsibilities must receive training as determined and prioritized by the County and/or to address the highest priority water quality conditions identified in the WQIP. Contractor training may either be provided by County staff or required as a contract condition.	▪ Pest Detection Program Coordinator ▪ Pesticide Regulation/HazMat Deputy ▪ AWQ/Stormwater Deputy ▪ Information Technology Principal
BMP Implementation	
F3P/BMP Implementation: BMPs are implemented by AWM staff and contractors as needed to address the specific activities (paving a trail, painting a building, etc.) and pollutants identified for each site or facility.	▪ AWQ/Stormwater Deputy ▪ Pest Detection Program Coordinator
Contract Work: For any construction, maintenance, repair, or other work with the potential to release pollutants to the MS4, contracts should include applicable provisions to prohibit releases and ensure BMP implementation. Regardless of the likelihood of discharging pollutants, contractors are responsible for meeting all applicable stormwater requirements.	▪ Contractors

Program Activity	Responsible Staff
Compliance Verification	
Compliance Documentation and Reporting: All staff is responsible for ensuring adequate documentation of runoff within their areas of defined responsibility.	▪ AWQ/Stormwater Deputy ▪ Pest Detection Program Coordinator
Facility Self-Inspection: Quarterly facility self-inspections are conducted to assess compliance with urban runoff management requirements. These typically consist of visual inspections for the presence of actual non-stormwater discharges; visual inspections for the presence of actual or potential discharge of pollutants; visual inspections for the presence of actual or potential illicit connections; and verification that the description of the facility or area in the inventory, required pursuant to Provision E.5.a.(2), has not changed..	▪ DGS Facility Analyst ▪ DGS Facility Support Managers ▪ Building Maintenance Supervisors
Special Investigations: Special studies and investigations are occasionally needed to gather data and information necessary for program planning or assessment. These activities are determined on an as-needed basis and as funding is available.	▪ Varies

5.3.11.4 Best Management Practice Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Examples of pesticide-application BMPs include the following:

- Use IPM to reduce pesticide and herbicide use and avoid runoff or leaching from excess chemical applications.
- Track pesticide applications by maintaining required pesticide application records.
- If rain or excessive wind is in the forecast, pesticide applications should be re-scheduled to avoid unnecessary runoff as required and in accordance with appropriate regulations.
- Storm drains in the immediate vicinity of pesticide application must be covered during treatment and all other required BMPs will be implemented.

Pesticide, herbicide, and fertilizer management must meet the applicable requirements set out in the WPO.

BMP requirements are reviewed annually and updated as necessary.

5.3.11.5 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum, the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.3.12 Non Emergency Fire Fighting and Related Activities Element

5.3.12.1 Background

On June 25, 2008, the Board of Supervisors created the San Diego County Fire Authority (SDCFA) as a zone within County Service Area (CSA) 135 (Regional Communications). The SDCFA zone includes approximately 1.57 million acres of County Unincorporated area. The SDCFA was formed as the administrative agency to implement policy decisions, budgeting processes and integrate fire agencies into CSA 135. Additionally, the Fire Authority manages contracts with cooperative partners for fire services. The SDCFA sets the service standards and monitors the ability of each cooperative partner to comply, and develops, in cooperation with them, remediation plans as required.

The Fire Warden provides Executive Management-level direction to SDCFA. The Fire Warden acts as a liaison between local Chiefs and County land use officials. Day-to-day, direct leadership for the program is performed by the Program Manager. The mission of the SDCFA is to implement the building and fire codes in the County Unincorporated area and to assist fire agencies and organizations with equipment, training and apparatus in the protection of life, property and the environment. The County of San Diego is unique within the State of California in having 13 fire protection districts within its boundaries. Responsibility for the prevention and suppression of fire and emergency services in the County Unincorporated area is vested in a number of local, federal, state, and volunteer agencies. Generally, each local agency is responsible for structural fire protection and emergency medical response within their area of responsibility. Wild-land fires are the responsibility of the State (CAL FIRE) on state, Bureau of Indian Affairs land, BIA, and private lands and the federal government (U.S. Forest Service, Bureau of Land Management, BLM, etc.) on federally owned lands. However, mutual and automatic aid agreements enable non-lead fire agencies to respond to fire emergencies outside their district boundaries[1]. Since most fire fighters are Emergency Medical Technician (EMT) certified, the County generally relies on fire departments, local districts and service areas to provide first responder medical service in the County Unincorporated area. Advanced life support and basic life support ambulance services are provided by various public and private agencies.

5.3.12.2 Inventory

In the County Unincorporated area, fire and emergency services outside of state and federally owned lands are provided by 13 fire protection districts, three County Service Areas, and five Municipal Water Districts (see Table 5.3-23). Tribal Lands Reservations also have fire departments that provide mutual fire service assistance to County Unincorporated areas that are near or bordering tribal lands. Fire and municipal water districts are also responsible for the enforcement of fire regulations as they relate to planning, construction and development.

The California Department of Forestry and Fire Protection (CAL FIRE) provides wild-land fire protection services for state owned and private lands outside of incorporated cities and designated by the State as State Responsibility Areas (SRA). CAL FIRE operates 18 fire stations and one Air Attack Base. Stations are open year-round with winter staffing funded by the state for a number of stations and the County up to an

[1] In San Diego County, most fire protection agencies are agency signatory to the State Master Mutual Aid Agreement, which enables non-lead agencies to respond to a fire emergency if requested. Independent fire districts may also choose to participate in automatic aid agreements, intended to have the closest fire station respond at the time of the call.

additional ten fire stations. Additional engines are funded by the state during the fire season (normally May through November). They respond to structural and vehicular fires and medical emergencies as well as wild-land fires. CAL FIRE provides structural fire protection services under contract to some local agencies.

The United States Forest Service (USFS) is responsible for fire protection, prevention and land management on federal lands within the boundaries of the Cleveland National Forest. USFS operates a total of 13 wild-land fire stations in San Diego County. The United States Fish and Wildlife Service (FWS) is responsible for fire protection, prevention and land management on federal preserve lands. FWS operates one wild-land fire station in San Diego County. The Bureau of Land Management contracts with CAL FIRE for suppression of fires on BLM land. Private land within or adjacent to federal land may be protected by the federal agencies under an agreement with CAL FIRE.

Table 5.3-23 Fire Protection Organizations in County Unincorporated Area [2]

District	Services
Fire Protection Districts	
Alpine	▪ Fire protection, rescue, emergency medical, fire prevention
Bonita-Sunnyside	▪ Fire protection, rescue, emergency medical, fire prevention
Borrego Springs	▪ Fire protection, rescue, emergency medical, Local Responsibility Area (LRA) wild-land, Fire Prevention provided by the SDCFA
Deer Springs	▪ Fire protection, rescue, emergency medical, fire prevention
Julian-Cuyamaca	▪ Fire protection, rescue, emergency medical, fire prevention. Fire Prevention provided by the SDCFA
Lakeside	▪ Fire protection, rescue, emergency medical, fire prevention. Fire Prevention provided by the SDCFA
Lower Sweetwater	▪ Fire protection, rescue, emergency medical, fire prevention. Fire Prevention provided by the SDCFA
North County	▪ Fire protection, rescue, emergency medical, fire prevention, LRA wild-land
Rancho Santa Fe	▪ Fire protection, rescue, emergency medical, fire prevention
San Marcos	▪ Fire protection, rescue, emergency medical, fire prevention
San Miguel	▪ Fire protection, rescue, emergency medical, fire prevention
Valley Center	▪ Fire protection, rescue, emergency medical, fire prevention
Vista	▪ Fire protection, rescue, emergency medical, fire prevention
Municipal Water Districts[3]	
Mootamai	▪ Part of the Yuima Joint Powers Authority, JPA, for fire services. Fire protection, rescue, emergency medical, fire prevention
Pauma	▪ Part of the Yuima Joint Powers Authority, JPA, for fire services. Fire protection, rescue, emergency medical, fire prevention

[2] All provide fire protection, rescue, and emergency medical response. Fire protection districts provide fire prevention services. The County Fire Authority provides fire prevention services for the unincorporated portions of the county outside of fire protection districts with some contracts within existing Fire Protection Districts. This table does not include the 18 CDF or 12 USFWS operated Fire Departments.

[3] Source: County of San Diego, Consolidated Fire Code November 16, 2001 p.3; LAFCO: Profiles of Special Districts (2000).

District	Services
Ramona	▪ Fire protection, rescue, emergency medical, fire prevention, LRA wild-land
Rincon Del Diablo	▪ Fire protection, rescue, emergency medical, fire prevention
Yuima	▪ Fire protection, rescue, emergency medical, fire prevention provided by SDCFA.
County Service Areas[5]	
Elfin Forest/Harmony Grove	▪ Fire protection, rescue, emergency medical
CSA-135	▪ SDCFA made up of Mt. Laguna, Palomar Mountain, Boulevard, Campo, and San Pasqual areas
Pepper Drive	▪ Fire protection, rescue, emergency medical. Fire Prevention provided by the SDCFA and under contract with the Santee FD.

The phrase "Fire Departments," as defined by the Consolidated Fire Code, refers to any regularly organized fire department, fire protection district, a legally formed volunteer fire department, or fire company regularly charged with the responsibility of providing fire protection to the jurisdiction. The term emergency, describes a situation that, in the opinion of the incident commander, is declared to be an emergency, and exists from the receipt of an alarm notification until the emergency has concluded and equipment is returned to service.

Fire fighting flows originating during emergency operations are exempted from discharge requirements as articulated by the 2013 MS4 Permit. However, other discharges related to fire agency activities (non-emergency) must be conducted in a manner consistent with stormwater management requirements.

5.3.12.3 Activities and Pollutants

Attachment 5.10 lists the PGAs potentially associated with the typical operations and responsibilities of each Fire Department. Specific PGAs occurring at individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. A complete listing of PGAs along with detailed descriptions of each is included in Attachment 5.4.

5.3.12.4 Program Implementation

Attachment 2.1 shows the organizational flow chart for staff with primary responsibility for administering and implementing the non-emergency fire fighting element. The County will continue to work with Fire Departments to identify, update, and provide guidance on implementation of the stormwater program. However, the ultimate responsibility for ensuring compliance with stormwater requirements will reside with the individual Fire Departments. Key roles and responsibilities are also summarized in Table 5.3-24.

Table 5.3-24 SDCFA Implementation Roles and Responsibilities for the Non-emergency Fire Fighting Element

Significant Activity	Description	Responsible Staff
Administrative Activities		
Source Characterization	Activities and pollutant sources should be evaluated to ensure that all potential pollutants are accounted for and sufficiently addressed.	▪ Fire Services Coordinator-Support Services
BMP Requirements and Recommendations	Regular review of BMPs will help identify improvement needs and corrective actions that should be taken. Where appropriate, BMPs should be revised to meet the MEP requirements.	▪ Contract CAL FIRE Deputy Chief assign to the SDCFA
Implementation Strategies and Tools	Strategies to include outreach and education for communities through partnerships with associations, member agencies, and fire districts.	▪ Contract CAL FIRE Deputy Chief assign to the SDCFA
Staff Training	Staff must receive training as determined and prioritized by the County and/or watershed to address the highest priority water quality conditions identified in the WQIP. Staff must be knowledgeable of stormwater requirements and be able to properly conduct their job responsibilities and implement BMPs.	▪ Contract CAL FIRE Deputy Chief assign to the SDCFA, Fire Services Coordinator-Support Services
Facilitation of Targeted Outcomes		
Formal Agreements	Contracted services needs to include stormwater language and requirements included within the document. Stormwater requirements should also be provided to ensure that contractor is aware of issues or any specific requirements such as use of specific BMPs.	▪ Fire Services Coordinator-Support Services
Permits	Where permits are required & issued by a County employee, language can be incorporated to include any applicable stormwater requirements.	▪ Fire Services Coordinator-Support Services
Inspections	Inspections conducted by Fire Departments or County staff, should also address any applicable stormwater requirements. Inspection types include, fire extinguishing systems, storage lots (wood chips, compost, yard waste, recycling, etc.), etc.	▪ Fire Services Coordinator-Fire Marshal/Fire Prevention Staff

Significant Activity	Description	Responsible Staff
Outreach	Community outreach will assist with customer acceptance and understanding of stormwater activities. Additionally, there are many considerations that home owners should make when implementing defensible space and maintaining surrounding vegetation. Opportunities include community events, association meetings, and fire station open house events.	▪ All program staff
Training (municipal staff or contractors; "target audience")	All County staff will receive annual stormwater training which is tailored to their specific job responsibilities. Since fire personnel are not employed by the County, the Fire Departments within the County Unincorporated area in Region 9 will receive a stormwater training presentation and handout materials.	▪ All program staff
Partnerships (professional and industry organizations, etc.)	Partnerships with organizations help facilitate acceptance and implementation of stormwater requirements by the fire community. Partnerships provide a venue to provide training and outreach to the community as well as Fire Department personnel. Organizations that should be considered include: CDF, DFG, USFWS, Fire Chief Assoc., Fire District Assoc., SD County Fire Protection Districts (16), community groups and clubs, etc.	▪ All Program Staff
Compliance Verification		
Internal Tracking by Program Staff	Document review/verification, and post activity observations via random sampling are means in which staff can verify that program responsibilities are appropriately implemented.	▪ Contract CAL FIRE Deputy Chief assign to the SDCFA, Fire Services Coordinator-Support Services
Complaint Investigations	Complaints received regarding fire department discharges will be investigated as necessary to ensure compliance with stormwater regulations. Customer complaints, complaint referrals, and coordination with the WPP are methods which can provide feedback on the effectiveness of the program.	▪ Contract CAL FIRE Deputy Chief assign to the SDCFA, Fire Services Coordinator-Support Services and WPP Inspectors

5.3.12.5 Best Management Practice Requirements

Fire Departments must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged, and required where applicable and feasible. Specific application of BMPs is determined on a site-by-site basis to address the specific PGAs applicable to each activity. BMP requirements are to be reviewed annually by the SDCFA, and updated as necessary.

The WPO requires all Fire Departments to comply with two inter-related sets of directives: (1) compliance with applicable discharge prohibition requirements, and (2) implementation of BMPs to prevent non-stormwater discharges and to reduce contaminants in stormwater discharges. The County will generally consider failure to comply with applicable discharge prohibitions as evidence of inadequate BMPs, staff training, and/or outreach and education. Applicable discharge prohibitions and BMP requirements are further described below.

Table 5.3-25 Summary of Discharge Prohibitions and BMP Requirements

Activity Type
E.2.a.(5)(a)(i) To be treated as illicit discharges unless BMPs prevent discharge of pollutants associated with such discharges to the MS4
1. Discharges associated with fire suppression system testing or maintenance (e.g., hydrant testing, fire sprinkler testing or flushing, tank flushing)
E.2.a.(5)(a)(ii) Must be addressed by program to reduce or eliminate pollutants in such discharges from entering the MS4
1. Discharges Associated with Post-Emergency Fire Fighting Activities
2. Discharges Associated with Fire-related Field Training
E.2.a.(5)(b) County should develop and encourage implementation of BMPs to reduce or eliminate pollutants in emergency firefighting discharges to the MS4.
1. Emergency firefighting

5.3.13 Special Events Element

5.3.13.1 Background

Within the County of San Diego, a large and diverse array of temporary community events are held at a variety of venues. Special events include festivals, fairs, cultural events, parades, sporting events, charity runs, and carnivals. These events showcase unique aspects of the community or rural area, and represent one of the few opportunities when residents and businesses can come together to celebrate what makes their community special. Special events may generate significant trash and litter, and therefore, event organizers are required to implement BMPs to prevent non-stormwater and stormwater discharges.

Special events are held at a wide variety of venues throughout the County including parks, recreational facilities, parking lots, streets and highways, airports, and places of worship and community centers. Venues typically include those that are located at fixed facilities as well as remote locations.

The County's diverse events frequently have a targeted community or special interest groups. Event categories include: landscape or agricultural, aviation or automobile, antiques, cultural, holidays, arts, and environmental. Some events are held annually and draw attendees from all parts of the County and beyond. They include: the Fallbrook Avocado Festival; the Quail Botanical Garden Insect and Garden Festival; the Ramona Air Fair; the Lakeside Rodeo; and the Julian Apple Days Harvest Festival.

There are two distinguishing classifications of events: County-permitted events and events held at County facilities.

County permitted events. These events are defined as: temporary community events that occur within the County Unincorporated area; are sponsored by either a for-profit or non-profit organization; and are planned for a time period of between four hours to four days. Organizers of events which meet this criteria must obtain a permit by the appropriate permitting County department(s) depending on the activities being planned.

Events held at County facilities. These temporary community events occur at a County parks or recreational facility or on a County road that is closed for the event, such as a parade, bicycle road race, street fair, neighborhood block party, or other activity. County employees may host and sponsor special events at County facilities. Parks and other recreational facilities may be reserved for events such as corporate events, team building programs, wedding receptions, or family reunions. The County hosts various types of events for its employees for informational, educational, cultural, or celebratory reasons. Examples of events held for County employees include: employee benefits fairs; health and wellness fairs; earth day celebrations; energy conservation fairs; and department meetings.

5.3.13.2 Inventory

Temporary community events occur both regularly (e.g. monthly or annually), although some occur on a one-time only basis. Due to the fluctuating nature of special events there isn't a pre-event inventory, but a list of potential special events can be drafted based on the previous year's temporary community events. Therefore a complete inventory of temporary community events can usually only be generated post-event at the completion of the reporting period. Since events held at County facilities have onsite staff responsible for regular grounds and housekeeping, these events have continuous oversight and ongoing stormwater BMP

implementation and maintenance. Compliance is incorporated into regular facility activities and reporting, and therefore, is not reported separately from the permitted events inventory.

5.3.13.3 Activities and Pollutants

Attachment 5.10 provides a comprehensive listing of the significant pollutant generating activities (PGAs) which may be associated with Special Events, and indicates the pollutants of concern (POCs) typically associated with each. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. The pollutants most commonly associated with special events are trash and litter. Descriptions of each PGA applicable to Special Events and other municipal operations and activities are provided in Attachment 5.4 . Special Events must consider all PGAs taking place at the event and must apply the BMPs appropriate for those activities.

5.3.13.4 Program Implementation

The temporary Community Events Permit (CEP) program is implemented by multiple County departments involved directly in the review of the CEP application, but is dependent on the type of activities being planned. Departments and programs include:

- Department of Environmental Health (DEH) for Food and Housing Division;
- Department of Planning and Development Services (DPDS), Zoning, Noise Abatement, and Building Inspection;
- Department of Human Resources (DHR) Risk Management Division;
- Sheriff's Department Licensing;
- Alcohol Beverage Control (ABC);
- Department of Parks and Recreation (DPR);
- Department of Public Works (DPW) for Roads;
- DPW Recycling Program;
- Animal Services; and
- San Diego County Fire Authority (SDCFA) and contract Fire Protection Districts

<u>County Permitted Events</u>

The County of San Diego requires event organizers to apply for a County Permit for any event meeting the definition of County Permitted events. Event organizers submit an application (available online at http://www.sandiegocounty.gov/content/sdc/deh/fhd/food/cep.html) that gets routed for approval from each department having jurisdiction over the various aspects of the event. The permit and guidance provided addresses numerous concerns including issues related to: animal services, food and beverage, risk management, waste management and recycling, public health and safety, and transportation. Stormwater BMPs are incorporated into the permit requirements, requiring event coordinators to comply with CEP permit conditions. There is significant coordination between County departments and external agencies such as the California Highway Patrol, State Board of Equalization, and Alcoholic Beverage Control.

The application requires the event organizer to prepare a clean-up plan, which is approved prior to issuing the permit. The development of a clean-up plan particularly addresses post-event cleanup. Recycling, composting, and waste minimization are also important targets for special events clean-up plans. County Permitted Events can occur anywhere throughout the County, therefore, event organizers are required to complete an application which includes BMP implementation during and after the event to ensure proper event set-up and clean-up. For Special Events which "are expected to generate significant trash and litter," additional documentation detailing specific BMPs to prevent stormwater discharges may be required in the form of a recycling and waste management plan.

The current program addresses litter enforcement, waste reduction, and recycling, which all directly relate to preventing litter and trash from entering the storm drains.

Current stormwater considerations for special events include the following, when applicable:

- Provide waste hauler information contracted for solid waste cleanup;
- Increase number of trash containers and recycling bins provided for the event (as well as additional pick ups by the hauler, if needed for multiple day events);
- Clean-up plan to ensure post-event cleanliness and preservation of event area;
- Designated responsibility for cleaning up after animals during and after the event;
- Portable toilet availability, maintenance and spill response;
- Fuel handling;
- Parking considerations;
- Provide equipment or utensil washing facilities for food booth operations and proper disposal of wastewater to the sanitary sewer;
- Provide a special event waste management plan which describes:
    - Garbage/trash disposal;
    - Collection of recyclables;
    - Amount recycled and disposed; and
    - Description of materials and a waste plan for recycling or disposal (e.g. cardboard, paper, beverage containers, food waste, plastics, other);
- For athletic events, water/feed areas must be established in permeable areas where possible, or the area must be cleaned immediately post event;
- Non-hazardous wastewater must drain to sanitary sewer. No wastewater may be discharged to ground or storm drains; and
- Street sweeping for cleaning up streets and gutters, as needed.

Applicable County departments review the applications for the special event permits for the issues and topics that each is responsible for. During the permit application review process, if the applicant is unable or

unwilling to comply with any of the stated requirements or if the applicant has had poor compliance history in the past, the permit application will be denied. After careful review, department staff either approve or deny the permit application.

At the conclusion of the event, if it is determined that the CEP clean-up has not been sufficiently completed, appropriate crews are dispatched to conduct the clean-up at the event organizers expense. Should the clean-up plan not be implemented as approved, the event organizer/manager may be required to provide a cash deposit or surety bond, to ensure the clean-up funding is available if needed for future events.

5.3.13.5 Best Management Practices Requirements

2013 MS4 Permit Section II.E.5.b.(1) requires the implementation, use and maintenance of pollution prevention methods via BMPs at municipal facilities and areas. These BMPs are being implemented, operated and maintained by the County on all municipal facilities and areas within its inventory of existing development within its jurisdiction. Maintenance for its BMPs follows a schedule which ensures the ongoing operation of these facilities and structures and follows intervals specific to each BMP category needed to minimize the discharge of pollutants.

Special Events must meet the applicable requirements set out in the WPO. The use of P2 practices is always encouraged, and required where applicable and feasible. Specific application of BMPs is determined on a site-by-site basis to address the specific PGAs applicable to each event. Special Event related BMP handouts are distributed to event organizers prior to obtaining a permit. Event organizers are required to complete a certification form to ensure they have a full understanding of the BMP requirements for their specific event and to acknowledge that they are fully responsible for post-event clean-up.

5.3.13.6 Inspections

The County inspects all of its existing municipal inventory in order to ensure that the 2013 MS4 Permit's requirements are being met and water quality protecting BMPs are functioning as needed and are reducing the discharge of pollutants from the MS4 and helping to eliminate non-stormwater discharges. These inspections are conducted to pay particular attention to locations with the potential to discharge pollutants prioritized by each watershed's WQIP. At a minimum, the County inspects 20 percent of its existing development inventory annually by utilizing visual inspections to determine compliance with ordinance and permit requirements as well as the condition of onsite BMPs. The data recorded during these inspections is maintained within a database used to track compliance and determine re-inspection progress where needed.

5.4 RESIDENTIAL

5.4.1 Introduction

The overall goal of this section is to establish a programmatic framework for the implementation of activities that will minimize the impact of discharges from residential areas to receiving waters and other environmental resources in the County of San Diego. Nearly half a million people live and work in the County Unincorporated area. To varying degrees, each of them can contribute to existing water quality problems and therefore plays a role in the solution.

5.4.2 Inventory

The County Unincorporated area consists of more than 3,500 square miles. While residential land use comprises less than 5 percent of this total area, this relatively small area supports an estimated population of 486,604[4]. Residential areas are thought to be a prevalent source of pollution from runoff within the County Unincorporated area. Where possible, the County tailors program implementation to the specific characteristics of individual communities and water quality priorities of their designated watersheds. In general, urban communities receive more of the County educational and compliance resources due to the higher number of residential housing units. Efforts are made to direct program activities and expenditures aimed at key water quality issues, contributing sources, and common pollutant-generating activities.

5.4.2.1 County Unincorporated Area Residential Management Areas

Provision E.5.a of the 2013 MS4 Permit requires each Copermittee to maintain and update a watershed-based inventory of the existing development within its jurisdiction that may discharge a pollutant load to and from the MS4. The County has developed a GIS-based residential inventory to track Residential Management Areas (RMAs) by hydrologic subarea. Each RMA represents a complete drainage basin. This structure is consistent with the watershed-based approach of the 2013 MS4 Permit, and with the County's water quality approach. The County has 112 hydrologic subareas; however, two of them are located within the San Juan Watershed and are under the jurisdiction of Camp Pendleton. Of the remaining 110, eight do not currently contain residential land uses at this time. As such, the County's residential inventory contains 102 RMAs at this time. The RMAs and their locations within the region's watersheds are shown in Figure 5.4-1. Figure 5.4-1 also includes the locations of known Common Interest Areas, Homeowners Association (HOAs), and Mobile Home Parks. The GIS inventory contains the applicable information for RMAs that is specified in Provisions E.5.a.2.a-i of the 2013 MS4 Permit, and is updated annually.

[4] Source: SANDAG, Current Estimates (2010) : www.sandag.org.

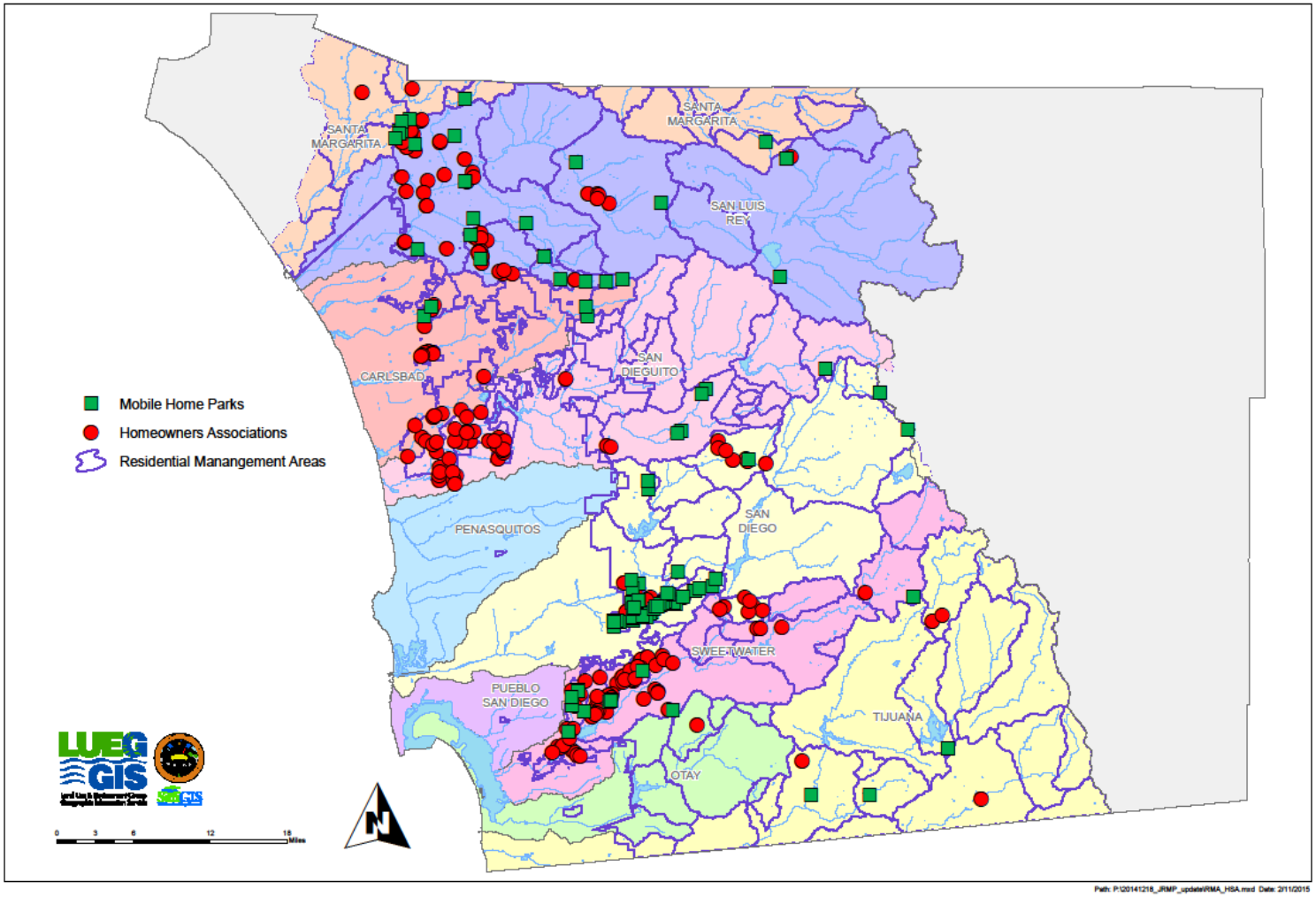


Figure 5.4-1 Location of Residential Management Areas

5.4.2.2 Residential Activities

2013 MS4 Permit Provision E.5.a.2.g requires the County to identify pollutants generated or potentially generated by RMAs. The County identified its highest priority water quality conditions (HPWQC) for each watershed with a WQIP. The County has considered the residential activities and areas within its jurisdiction and established program priorities and requirements to address the HPWQCs, in addition to other pollutants previously identified as threats to water quality under the 2007 MS4 Permit. In accordance with these pollutants, the County has established programmatic requirements which address the following types of residential activities:

- Lawn and Garden Care Activities and Product Use;
- Household and Home Care and Maintenance;
- Automobiles and Boats (parking, storage, maintenance, repair, and cleaning);
- Pet Waste Management; and
- Livestock and Large Animals Waste Management.

In addition, the County considers the following sources to be high priority:

- Any other residential source that the Copermittee determines may contribute a significant pollutant load to the MS4;
- Any residential areas tributary to a CWA section 303(d) impaired water body, where the residence generates pollutants for which the water body is impaired; and
- Any residential areas within or directly adjacent to or discharging directly to a coastal lagoon or other receiving waters within an environmentally sensitive area.

A comprehensive list of residential PGAs is presented in Table 5.4-1.

Table 5.4-1 Residential Pollutant-Generating Activities

Pollutant-Generating Activity	Description
Lawn and Garden	
Over-irrigation	Watering after rain events leads to excess run-off because the soil is too soaked to hold additional water. Using too much water leads to excess run-off, which often carries pollutants. Leaks in irrigation systems or improperly adjusted sprinklers can cause irrigation water to enter the stormwater conveyance system. All sources of pollutants, including irrigation runoff, are prohibited from leaving a property and entering the streets or storm drains.
Chemical product use (fertilizers, pesticides, and herbicides)	Overuse of fertilizer, pesticide, and herbicide can cause polluted run-off. Use of spray pesticides increases the likelihood of stormwater pollution. Spraying pesticides on sidewalks or impervious surfaces allows chemicals to wash into storm drains more readily. Spraying pesticides before rain events increases the chance that they will be washed into nearby storm drains. Dumping leftover pesticides in the storm drain or conveyance system causes stormwater pollution. Improper storage and disposal of pesticides may allow them to enter storm drain.
Materials and waste storage	Storage of hazardous materials that are inappropriately contained or covered has the potential to be washed into the stormwater conveyance system.
Waste management and disposal	Improper disposal of lawn and garden materials or waste into waste receptacles may enter the stormwater conveyance system.
Household and Home	
Painting	Home painting involves hazardous materials such as paints and solvents. Improper containment, storage, cleaning of painting equipment and disposal of the wash water can contribute polluted runoff to the stormwater conveyance system.
Repair and maintenance	Home repair and maintenance projects may involve hazardous materials and waste. Improper containment, storage, cleaning of equipment and disposal of the wash water can contribute polluted runoff to the stormwater conveyance system.
Outdoor cleaning	Cleaning outdoor areas such as sidewalks, driveways, and exterior of home, as well as outdoor furniture by power washing or use of hazardous chemicals. Improper containment and disposal of the wash water can contribute polluted runoff to the stormwater conveyance system.
Pool, spa, and fountain care	Maintenance of swimming pools, spas, and ornamental water fixtures require chemical application and the discharging of polluted water and wash water. Improper disposal of wash water can contribute polluted runoff to the stormwater conveyance system.
Septic system maintenance	Proper operation and maintenance of septic systems to prevent inadequately treated domestic waste from reaching the groundwater and stormwater conveyance system.
Materials and waste storage	Storage of materials and waste that are improperly contained and have the potential to be washed into the stormwater conveyance system.
Waste management and disposal	Improper disposal of household hazardous material or waste into waste receptacles may enter the stormwater conveyance system.

Pollutant-Generating Activity	Description
Automobiles and Boats	
Parking and storage	Parking or long-term storage of vehicles can cause accumulations or discharges of grease, oils, and trash.
Maintenance and repair	Repair and maintenance performed on the street or driveway with hazardous materials that have the potential to leak or spill onto surfaces.
Washing and cleaning	Cleaning and washing can cause detergent and wash waters with pollutants to run directly into the stormwater conveyance system.
Material and waste storage	Materials and waste that are improperly contained and covered have the potential to be washed into the stormwater conveyance system.
Waste management and disposal	Improper disposal of household hazardous material or waste into waste receptacles may enter the stormwater conveyance system.
Pets	
Pet waste disposal	Pet waste left around yards, left behind during walks, or disposing of pet waste inappropriately, can contribute to pollution of the stormwater conveyance system or receiving waters when it is carried away by water from storm events or irrigation.
Pet cleaning	Pet cleaning and washing can cause detergent and wash waters with pollutants, to run directly into the stormwater conveyance system.
Livestock and Large Animals	
Manure management	Exposed manure from livestock, horses, or other large animals can contribute to pollution of the stormwater conveyance system or receiving waters when it is carried away by water from storm events or over-irrigation.
Manure disposal	Improper disposal of manure may contribute to pollution of the stormwater conveyance system or receiving waters.
Composting	Improperly locating compost areas near stormwater conveyance systems or receiving waters and not properly containing composting material may contribute pollution runoff.

Table 5.4-2 Potential Pollutants of Concern and Waste Streams

Pollutant-generating Activity	Potential Pollutants of Concern								Material / Waste Stream										
	Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides	Auto Fluids & Parts	Animal	Construction & Demolition	Electronic	Green	Household Cleaners	Paint & Material	Sewage	U-Electronic	Lawn & Garden Products	Other
Automobiles and Boats																			
Parking and storage		⊙	⊙	⊙		⊙			⊙										
Maintenance and repair		⊙		⊙		⊙			⊙					⊙					
Washing and cleaning	⊙	⊙		⊙		⊙			⊙					⊙					
Material and waste storage						⊙			⊙					⊙					
Waste management & disposal						⊙			⊙					⊙					
Lawn and Garden																			
Over-irrigation	⊙	⊙			⊙		⊙	⊙										⊙	
Chemical product use (fertilizers, pesticides, and herbicides)		⊙					⊙	⊙										⊙	
Materials and waste storage	⊙							⊙					⊙					⊙	
Waste management & disposal	⊙				⊙			⊙					⊙					⊙	
Household and Home																			
Painting														⊙	⊙				
Repair and maintenance	⊙	⊙		⊙	⊙	⊙	⊙				⊙	⊙		⊙		⊙	⊙		
Outdoor cleaning	⊙	⊙				⊙	⊙				⊙			⊙					
Pool, spa, and fountain care	⊙	⊙	⊙	⊙	⊙		⊙							⊙					
Septic system maintenance		⊙		⊙	⊙	⊙	⊙							⊙		⊙			

Pollutant-generating Activity	Potential Pollutants of Concern								Material / Waste Stream										
	Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides	Auto Fluids & Parts	Animal	Construction & Demolition	Electronic	Green	Household Cleaners	Paint & Material	Sewage	U-Electronic	Lawn & Garden Products	Other
Materials and waste storage		⊙		⊙	⊙		⊙				⊙			⊙		⊙			
Waste management & disposal		⊙		⊙	⊙	⊙	⊙	⊙			⊙			⊙		⊙			
Pets																			
Pet waste disposal		⊙			⊙					⊙									
Pet care	⊙	⊙						⊙						⊙					
Livestock and Large Animals																			
Manure management		⊙			⊙					⊙									
Manure disposal		⊙	⊙		⊙					⊙									
Composting		⊙	⊙		⊙					⊙									

5.4.3 Best Management Practice Requirements

2013 MS4 Permit Provision E.5.b.2 provides the following four BMP requirements for residential areas:

a) Promote and encourage P2 practices;

b) Promote and encourage BMP Implementation;

c) Operate and maintain BMPs; and

d) Promote and encourage Pesticide, Herbicide, and Fertilizer BMPs.

The County has established, in its WPO, minimum BMP requirements that residential dischargers must meet. The BMP requirements in the WPO fulfill the 2013 MS4 Permit requirements listed above. Residential dischargers must meet the applicable requirements set out in the WPO. Attachment 5.6 contains a detailed matrix of BMP requirements organized by pollutant-generating activity. These requirements are reviewed annually and updated as necessary. Additional information and implementation guidance can be found in the BMP Guidance Handbook.

As shown in Attachment 5.6, the use of P2 practices is promoted and encouraged wherever possible. Residents are encouraged to use P2 methods through a variety of educational programs and activities. A primary objective of the County's runoff management programs is to promote the use of these practices by residents.

5.4.4 Program Implementation

This section describes the steps that will be taken to require implementation and proper operation and maintenance of designated BMPs at residential areas in its inventoried existing development (2013 MS4 Permit Provision E.5.b.2.c), as well as inspection of residential areas (2013 MS4 Permit Provision E.5.c). These standards are required within Region 9 of the County's jurisdiction for the activities to which they apply.

5.4.4.1 Departments and Programs

The County's DPW WPP is the lead in implementing a residential program to reduce residential discharges of pollutants from the MS4 to the maximum extent practicable (MEP) and prevent residential discharges from the MS4 from causing or contributing to a violation of water quality standards. Additionally, the County conducts a variety of programs across multiple departments that directly or indirectly reduce pollution or prevent discharges from residential areas in the County Unincorporated area. These programs emphasize changes in knowledge and awareness necessary to effect and sustain responsible behavior. However, applicable legal authorities are also enforced as necessary. The County tailors its programs to address the unique characteristics of the many diverse unincorporated communities and land uses.

The primary programs involved in implementation of the residential stormwater-related programs are summarized in Table 5.4-3. Each program is briefly described and classified by areas of activities commonly participated in. Additionally, several other County departments, such as the County Sheriff Department or Department of Planning and Development Services, Code Compliance , have a presence in the unincorporated residential areas regularly and their activities performed assist in preventing or reducing residential discharges and stormwater pollution. Through interdepartmental communication and training, WPP receives valuable information from these departments for implementation of the residential stormwater-related programs.

Table 5.4-3 Description and General Focus of Residential Stormwater Programs

Programs	Description	Sources Addressed				
		Automobiles & Boats	Lawn & Garden	Household & Home	Pets	Livestock & Large Animals
Department of Animal Services	The County's Animal Services provides animal-related public education, law enforcement, sheltering, medical services, and pet adoption services.				⊙	⊙
Department of Public Works Watershed	WPP is the lead in implementing a residential program to reduce residential discharges of pollutants from the MS4 to the MEP and prevent residential discharges	⊙	⊙	⊙	⊙	⊙

Programs	Description	Sources Addressed				
		Automobiles & Boats	Lawn & Garden	Household & Home	Pets	Livestock & Large Animals
Protection Program (WPP)	from the MS4 from causing or contributing to a violation of water quality standards. WPP maintains the inventory of RMAs, and conducts inspections of RMAs.					
Department of Public Works, Solid Waste Planning and Recycling (Recycling)	Recycling conducts public education, establishes recycling infrastructure, supports existing recycling operations, enforces solid waste hauler franchise agreements, operates residential composting programs contracted to the Solana Center, and reports local recycling and countywide waste disposal data.	⊙	⊙	⊙		⊙
Department of Environmental Health (DEH)	The DEH protects public health and environmental quality. It regulates public housing, small drinking water systems, mobile home parks, and onsite wastewater systems. The DEH Household Hazardous Waste (HHW) Program promotes safe household hazardous material use and disposal, and encourages the use of low-toxic substitutes.	⊙	⊙	⊙		
Planning and Development Services (PDS) Code Compliance	PDS Code Compliance responds to requests from residents to investigate concerns and educate the public about County codes in order to gain voluntary compliance.	⊙	⊙	⊙	⊙	⊙
University of California Cooperative Extension (UCCE)	The UCCE, San Diego County Extension Office promotes increased utilization of ecologically based integrated pest management programs by providing leadership, development of science-based pest management programs that are economically and environmentally sustainable and socially appropriate, and protecting human health.		⊙			

5.4.4.2 Program Implementation Categories

Program implementation for residential activities is divided into two main categories: Program Planning and Administration, and Program Activities. Detailed sub-categories and programs - involved with the implementation are displayed in Table 5.4-4 below.

Table 5.4-4 Residential Stormwater Program Implementation Roles

	Animal Services	WPP	Recycling	DEH	PDS	UCCE
Program Planning and Administration						
Source Characterization		⊙				
BMP Requirements		⊙				
Implementation Strategies & Tools		⊙				
Program Activities						
Inspections of Residential Areas		⊙			⊙	
Outreach & Education	⊙	⊙	⊙	⊙	⊙	⊙
Hotline & Website		⊙	⊙	⊙		
Waste Collection & Recycling			⊙	⊙		
Complaints & Enforcement		⊙		⊙	⊙	

5.4.4.2.1 Program Planning and Administration

The County's WPP is the lead in implementing a residential program to reduce residential discharges of pollutants contributing to violations of water quality standards. Source characterizations and priorities are assessed to maintain permit compliance with current and relevant data and information. BMP requirements are reviewed to ensure that recommended or required practices are correctly targeted to the pollutant-generating activities identified for all priority sources. Furthermore, implementation strategies and tools are analyzed to ensure that activities and requirements are properly targeted, and necessary modifications are made in response to ongoing implementation experience, effectiveness assessment, and other available information. All program planning and administration activities are reviewed at least annually.

The WPP is responsible for reporting all requirements in accordance with Section F of the 2013 MS4 Permit in the JRMP Annual Report. In collaboration with other programs, WPP compiles data to report in the JRMP Annual Report.

5.4.4.2.2 Program Activities

Inspections of Residential Areas

The County has structured its residential inspection program in compliance with 2013 MS4 Permit Provision E.5.c. Inspections are conducted as drive-by inspections by County or consultant staff, with onsite inspections as necessary. Every RMA will be inspected at least once every five years. Inspections, where possible, are drainage-based, and areas with major outfalls with known persistent flow are prioritized.

The inspections are education and outreach based, with targeted educational material distributed at residences in response to observations (e.g., promoting proper irrigation practices, trash

containment). In addition, the County is targeting outreach material towards common residential pollutant-generating activities. The County is working to establish relationships with HOAs, Mobile Home Parks, and Common Interest Areas and is developing outreach material specific to these sources.

Outreach and Education

Outreach is a central tenant of the residential stormwater program implementation strategy. Various types of outreach are used to bring about changes in knowledge or awareness in target populations. All residential programs use a wide variety of activities to reach residents throughout the year. Examples of consistently utilized outreach activities include material distribution, workshops, trainings, seminars, community and special events, news releases, and material displays (billboards, signs, kiosks, movie theatre slides, etc.). Specific program outreach and education activities are discussed in Sections 7 and 8 of the JRMP.

Waste Collection and Recycling

A variety of waste collection and recycling services are used to assist residents and businesses in properly disposing of wastes. The County is responsible for these services in the County Unincorporated area and holds numerous events throughout the year.

Recycling has curbside collection services, drop-off recycling centers, oil recycling services, tire recycling services and compost, yard waste, and animal waste management. In addition, Recycling holds specific one-day recycling events such as free composting workshops and tire recycling day.

The Household Hazardous Waste program supports waste collection from unincorporated residents at facilities located in Chula Vista, El Cajon, Miramar, and Ramona. Like recycling, one-day collection events are held and take place in residential areas such as local high schools, churches, and road stations.

Complaint Investigations

Complaint investigations are used to gather data and information as a response to reports of potential violations, through complaints received from the Stormwater Hotline, online or from staff referrals. Investigations typically consist of observations, record reviews, and sampling as needed. All reported incidents of pollution originating from residential areas will be investigated and resolved. The lead for the investigations of residential stormwater complaints is the WPP. The WPP collaborates with other departments and agencies as necessary to address stormwater issues. The Illicit Discharge Detection and Elimination program is described in Section 6 of the JRMP.

Compliance and Enforcement

The objectives of the County's residential enforcement program are to educate the community, promote compliance with applicable ordinances, and return violators to compliance. Although education is emphasized as the primary means of achieving compliance, the County has

established the necessary authority and programs to investigate and enforce all potential stormwater violations. The County may take necessary enforcement actions as described in the Enforcement Response Plan to obtain compliance from residential dischargers.

5.5 RETROFIT AND REHABILITATION

5.5.1 Background

2013 MS4 Permit Section E.5.e requires the County to develop programs to retrofit areas of existing development, and to rehabilitate streams, channels, and habitats. In addition to removing pollutant loads, these programs are intended to support the protection of downstream channels, reductions in flooding, and restoration of beneficial uses and natural hydrology. The primary focus of both program elements is to address HPWQCs identified in the WQIPs for each WMA, but it is expected that other water quality benefits will also be realized through their implementation. The County's approach to complying with its retrofit and rehabilitation program requirements is described below.

5.5.2 Identification of Candidate Areas of Existing Development

Prior to the identification of specific projects or project types, areas of existing development will be evaluated for their potential to contribute or mitigate pollutants or stressors that contribute to the HPWQCs identified in each WQIP. Candidate areas that support other implementation objectives (reductions in dry weather flows, mitigation of hydromodification impacts, targeted pollutant reductions, etc.) will also be identified and considered.

The selection and prioritization of candidate areas will reflect a variety of considerations such as the following:

- Identified WQIP priorities;
- Available monitoring results (wet and dry);
- Applicable regulatory drivers (TMDLs, 303(d) listings, etc.);
- Drainage area characteristics (existing or projected land uses, zoning, topography, drainage patterns, perviousness, vegetation, etc.);
- Source attributes (type, frequency, distribution, threat to water quality, etc.); and
- Opportunities for structural and non-structural interventions.

5.5.3 Identification of Candidate Projects

Following the identification of priority areas of existing development, candidate retrofit and rehabilitation projects will also be identified.

5.5.3.1 Development of Candidate Project Lists

Candidate project lists will form the basis for project identification and selection. These lists will be developed from a variety of sources as appropriate and available (e.g., public calls, GIS mapping, mitigation banks, project applicants, and reviews of existing documents such as Comprehensive Load Reduction Plans [CLRPs], Park Master Plans, Trails Management Plans,

and the County Multiple Species Conservation Program [MSCP]). Candidate projects may be identified individually or categorically. The selection and prioritization of projects will reflect a variety of considerations such as:

- Expected efficacy (pollutant or flow reductions, etc.);
- Community support (e.g., access, safety, and aesthetics);
- Potential for multiple benefits (pollutant or volume reduction, groundwater recharge, recreational use, education, etc.);
- Lifecycle costs (e.g., for acquisition, design, construction, maintenance, monitoring, and regulatory oversight), cost-effectiveness, and return on investment; and
- Potential funding opportunities (grants, foundations, program funding, etc.);

Project lists will be periodically reviewed and updated as new data and information become available.

5.5.3.2 Retrofit Projects

The primary purposes of implementing retrofit projects are to reduce pollutants or mitigate stormwater flows and durations from areas of existing development. Examples of potential project types include:

- Regional BMPs (e.g., detention, retention, wetland systems, or infiltration systems);
- Medium-scale distributed BMP retrofits (e.g., parking lot retrofits at businesses);
- Retrofits of existing infrastructure (e.g., LID conversions, inlet filters, green streets, or dry weather flow diversions);
- Groundwater recharge projects and infiltration systems;
- Water supply augmentation projects (e.g., capture and use of water, cisterns, and stormwater vaults); and
- Small-scale retrofits of residential properties (e.g., rain barrels, smart irrigation systems, turf replacement, and downspout redirects).

5.5.3.3 Stream, Channel, and Habitat Rehabilitation Projects

The primary purposes of implementing stream, channel, and habitat rehabilitation projects are to mitigate stormwater flows and durations from areas of existing development, rehabilitate channelized or hydromodified streams, restore wetland and riparian habitat, restore watershed functions, and restore beneficial uses of receiving waters. Examples of potential rehabilitation project types include:

- Restoration of streams and creeks;
- Restoration of wetland, riparian, and upland habitat;
- Acquisition, restoration, and preservation of open space;

- Invasive species removal; and
- Restoration and stabilization of channels.

5.5.4 Development of Strategies to Facilitate the Implementation of Identified Candidate Projects

The lead for the development and management of these program elements will reside with the DPW WPP. However, they will be implemented across multiple departments including DPW, DGS, and DPR. At a minimum, facilitation strategies will identify specific program functions, roles, and responsibilities that include the following:

- Identification, evaluation, and prioritization of candidate projects;
- Selection of projects for implementation;
- Project design and engineering;
- Coordination with regulatory agencies;
- Outreach and coordination with stakeholders and project partners;
- Acquisition and management of project funding;
- Monitoring and assessment of project and program effectiveness; and
- Regulatory reporting.

The detailed strategies needed to facilitate the implementation of priority candidate projects will ultimately depend on the results of the project selection and prioritization processes described above. These strategies will likely encompass a number of potential implementation pathways such as the following:

- County-funded projects;
- Agency-funded projects (e.g., through grants);
- Privately-funded projects (e.g., parking lot retrofits by businessses);
- Public-private partnerships (e.g., regional treatment controls);
- Compliance programs (e.g., through progressive enforcement);
- Incentive programs (e.g., rain barrel rebates);
- Voluntary initiatives (e.g., through education programs); and
- Offsite alternative compliance projects (to be considered only if the County elects to implement an Alternative Compliance Program).

In all cases, the implementation or construction of projects will be subject to the availability of funding or other equivalent means of requiring or incentivizing project completion. The County will continue to seek grants and other sources of funding to implement these program elements.

Attachment 5.1 – Industrial, Commercial, Municipal Source Profiles

Attachment 5.1 - Commercial, Industrial, and Municipal Source Profiles

1. **Automobile Repair, Maintenance, Fueling, and Cleaning**
2. **Airplane and Boat Repair, Maintenance, Fueling and Cleaning**
3. **Equipment Repair, Maintenance, Fueling, and Cleaning**
4. **Vehicle Body Repair and Painting**
5. **Parking Lots and Storage Facilities**
6. **Retail and Wholesale Fueling**
7. **Eating and Drinking Establishments**
8. **Pest Control Services**
9. **Nurseries and Greenhouses**
10. **Cemeteries**
11. **Golf Courses**
12. **Parks and Other Recreational Facilities**
13. **Equine Facilities**
14. **Pet-related Facilities**
15. **Building Material Retailers and Storage**
16. **Marinas**
17. **Municipal Development**

1. Automobile Repair, Maintenance, Fueling, and Cleaning

Applicable SIC Codes

4173 – Bus Terminals and Service Facilities
4231 – Terminal and Joint Terminal Maintenance Facilities for Motor Freight Transportation
7533 – Automotive Exhaust System Repair Shops
7534 – Tire Re-treading and Repair Shops
7537 – Automotive Transmission Repair Shops
7538 – General Automotive Repair Shops
7539 – Automotive Repair Shops, NEC
7549 – Automotive Services (wrecking, undercoating, rust proofing, lubrication)

Description

This category includes establishments engaged in the repair, maintenance, fueling and cleaning of automobiles or similar vehicles. General operations at these facilities consist of repairing engines, transmissions, suspensions, and other mechanical components of the vehicle not generally associated with the body or interior. Additional operations include the removal and replacement of vehicle fluids including fuel and the cleaning of automotive parts and equipment. This category includes but is not limited to service stations, auto mechanics, tire repair and replacement, lube and oil service facilities.

Table 5.1.1 lists the Pollutant-generating Activities potentially associated with automobile repair, maintenance, fueling and cleaning, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.1 – Pollutant-generating Activities and Associated Pollutants of Concern for Automobile Repair, Maintenance, Fueling, and Cleaning

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙	⊙		⊙		⊙	⊙	
	A.1.b	Storage of Materials	⊙	⊙	⊙			⊙	⊙	
	A.1.c	Outdoor Liquid Container Storage		⊙		⊙		⊙	⊙	
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙	⊙	
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙	⊙	
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	A.3.b	Solid Waste	⊙	⊙	⊙		⊙			
◆	A.3.e	Liquid Waste		⊙	⊙		⊙			
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
◆	B.1.a	Vehicle & Equipment Repair				⊙		⊙	⊙	
◆	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs								
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing		⊙		⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning		⊙		⊙		⊙	⊙	
◆	B.3	**VEHICLE AND EQUIPMENT FUELING**			⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.3	Automobile Painting			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING AND GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

2. Airplane and Boat Repair, Maintenance, Fueling and Cleaning

Applicable SIC Codes

4581 – Airports, Flying Fields, and Services (Aircraft Servicing, Maintenance and Cleaning)
3731 – Ship Building and Repairing
3732 – Boat Building and Repairing

Description

This category includes establishments primarily engaged in operating and maintaining airports and flying fields; in servicing, repairing (except on a factory basis), maintaining, and storing aircraft; and in furnishing coordinated handling services. Operations at these facilities generally consist of mechanical maintenance of the airplane, which may include engine repair, hydraulic repair, fluid removal/replacement and for this category could include body and interior components that are mechanical in nature.

It also includes establishments primarily engaged in the repair, maintenance fueling and cleaning of ships, barges, boats and lighters. Operations include boat and ship repairs not conducted in marinas, which usually consist mechanical maintenance of ships, boats etc., which may include engine repair, driveline repair, fluid removal/replacement and for this category could include body and interior components that are mechanical in nature.

Table 5.1.2 lists the Pollutant-generating Activities potentially associated with airplane and boat repair, maintenance, fueling, and cleaning, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.2 – Pollutant-generating Activities and Associated Pollutants of Concern for Airplane and Boat Repair, Maintenance, Fueling, and Cleaning

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
◆	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste								
	A.3.b	Solid Waste	⊙		⊙					

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
◆	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
◆	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
◆	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
	C.32	Welding				⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.3	**ROADS AND STREETS**								
	D.3.a	Road and Street Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.3.b	Road and Street Use	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

3. Equipment Repair, Maintenance, Fueling, and Cleaning

Applicable SIC Codes

7519 – Utility Trailer Rentals
7353 – Heavy Construction Equipment Rentals
7359 – Equipment Rental
7623 – Refrigeration Services and Repair (Refrigerator, HVAC, etc.)
7692 – Welding Repair
7699 – Equipment Repair
7623 – Refrigeration Service and Repair
7699 (Repair Shops and Related Services, Not Else Classified)

Description

Establishments primarily engaged in the repair, maintenance, fueling and cleaning of equipment. Operations generally include engine repair, driveline repair, fuel system maintenance and repair, fluid removal/replacement and degreasing of components and parts.

Table 5.1.3 lists the Pollutant-generating Activities potentially associated with equipment repair, maintenance, fueling and cleaning, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.3 – Pollutant-generating Activities and Associated Pollutants of Concern for Equipment Repair, Maintenance, Fueling and Cleaning

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste				⊙		⊙	⊙	
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
◆	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
◆	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
	C.32	Welding				⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

4. Vehicle Body Repair and Painting

Applicable SIC Codes

7532 – Top & body repair & paint shops
7536 – Automotive Glass Replacement Shops
7549 – Automotive Services (wrecking, undercoating, rust proofing, lubrication)

Description

Establishments primarily engaged in the repair of automotive tops, bodies, and interiors, or automotive painting and refinishing. Operations at these facilities generally include exterior, interior and frame repair of vehicles, which may include windshield removal/replacement, metal parts fabrication, and removing and replacing fluids to gain access to areas requiring repair.

Table 5.1.4 lists the Pollutant-generating Activities potentially associated vehicle body repair and painting, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.4 – Pollutant-generating Activities and Associated Pollutants of Concern for Vehicle Body Repair and Painting

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste								
◆	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.10	Dust & Particulate Generating Activities	⊙			⊙				
◆	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

5. Parking Lots and Storage Facilities

Applicable SIC Codes

4225 – General Warehousing and Storage
4226 – Special Warehousing and Storage, Not Elsewhere Classified
7521 – Automotive Parking

Description

Establishments provide storage and parking facilities for short term and long term automotive storage. Operations at these facilities generally consist of supplying a location for cars to be securely stored or parked, which may include preparing cars for long term storage by removing fluids parts or generally moth balling the vehicle.

Table 5.1.5 lists the Pollutant-generating Activities potentially associated with parking lots and storage facilities, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.5 – Pollutant-generating Activities and Associated Pollutants of Concern for Parking Lots and Storage Facilities

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste								
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

6. Retail and Wholesale Fueling

Applicable SIC Codes

5541 – Gasoline Service Stations
5172 – Petroleum and Petroleum Products Wholesalers, Except Bulk Stations and Terminals

Description

Establishments primarily engaged in selling fuels and lubricants for motor vehicles. Operations could include key card services and retail establishments that provide petroleum, ethanol, and other vehicle fueling as well as lubricant products.

Table 5.1.6 lists the Pollutant-generating Activities potentially associated with retail and wholesale fueling, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.6 – Pollutant-generating Activities and Associated Pollutants of Concern for Retail and Wholesale Fueling

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
◆	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste								
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
◆	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

7. Eating and Drinking Establishments

Applicable SIC Codes

5141 – Groceries, General Line
5149 – Groceries and related Products, Not Elsewhere Classified
5411 – Grocery Stores
5421 – Meat and Fish (Seafood) Markets, Including Freezer Provisioners
5499 – Miscellaneous Food Stores
5812 – Eating Places
5813 – Drinking Places (Alcoholic Beverages)
5999 – Miscellaneous Retail Stores, Not Elsewhere Classified

Description

Establishments primarily engaged in providing prepared or processed foods and beverages to the public. Operations usually including baking, frying, roasting and general preparation of food and the sell and distribution of processed beverages.

The County Department of Environmental Health Food and Housing Division (FHD) currently conducts inspections of food service Countywide. There are 18 cities within the County with more than 12,000 retail food facilities, including over 6,000 restaurants. In order to safeguard public health and to the environment most of these facilities are inspected an average of four times a year. Thus, any person operating a retail food facility (including vending vehicles or a catering business) is required by law to apply for and obtain a valid public health permit.

An eating and drinking establishment means an "operation that stores, prepares packages, serves, vends, or otherwise provides human consumption at the retail level." Overall, this category includes: restaurants, cafeterias, groceries stores, bakeries, delicatessens or all facility requiring a Health Department permit for food preparation. (COSD Food and Housing).

Table 5.1.7 lists the Pollutant-generating Activities potentially associated with eating and drinking establishments, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.7 – Pollutant-generating Activities and Associated Pollutants of Concern for Food Service Facilities

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙	⊙		⊙		⊙	⊙	
	A.1.b	Storage of Materials	⊙	⊙	⊙			⊙	⊙	
	A.1.c	Outdoor Liquid Container Storage		⊙		⊙		⊙	⊙	
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙	⊙	
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙	⊙	
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙	⊙	⊙		⊙			
◆	A.3.c	Food Grease And Oil		⊙	⊙		⊙	⊙		
	A.3.e	Liquid Waste		⊙	⊙		⊙			
	A.3.h	Recyclables / Reusables			⊙	⊙	⊙			
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning		⊙		⊙		⊙	⊙	
◆	B.2.c	Floors, Mats, and Surfaces	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.16	Food Preparation		⊙	⊙		⊙	⊙		
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.e	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2.f	Break Areas & Public Areas	⊙	⊙	⊙		⊙			
◆	D.2.g	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

8. Pest Control Services

Applicable SIC Codes
7342 – Disinfecting and Pest Control Services
0721—Crop Protection
0762—Farm Management Services
0782—Lawn & Garden Services

Description

This category includes establishments primarily engaged in providing pesticide application services. Pest control services conduct mixing and application of pesticides (herbicides, fungicides, or insecticides) using sprays, dusts, vapors, baits, or soil incorporation on trees, shrubs, lawns, botanical crops, or structures. Conducting pest control requires specific training and State or Federal certification to ensure a proper delivery of chemicals into the surrounding environment.

Table 5.1.8 lists the Pollutant-generating Activities potentially associated with pesticide application activities and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.8 – Pollutant-generating Activities and Associated Pollutants of Concern for Pest Control Services

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙	⊙	⊙		⊙			
◆	A.3.e	Liquid Waste	⊙	⊙						⊙
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	⊙
Category C: Specific Operations and Activities										
◆	C.23	Pesticide or Other Chemical Product Formulation.							⊙	⊙
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
◆	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
◆	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

9. Nurseries and Greenhouses

Applicable SIC Codes

0181 (Ornamental Floriculture and Nursery Products)
8422 (Botanical or Zoological Gardens)

Description

This category includes establishments that have collections of a wide variety of plants or animals for public display or categorized and documented for scientific purposes. The Department of Agriculture, Weights and Measures (AWM) regulates these facilities. Currently there are no botanical gardens in the AWM current inventory.

This category includes establishments primarily engaged in growing plants to offer for sale for planting, propagation, or ornamentation. Operations generally include the cutting, trimming and arrangement of plants and other ornamentals for sale to the public.

Table 5.1.9 lists the Pollutant-generating Activities potentially associated with Nurseries, Greenhouses, and Botanical Gardens, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.9 – Pollutant-generating Activities and Associated Pollutants of Concern for Nurseries and Greenhouses

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.b	Solid Waste	⊙	⊙	⊙		⊙			
◆	A.3.e	Liquid Waste	⊙	⊙						⊙
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	⊙
Category C: Specific Operations and Activities										
◆	C.23	Pesticide or Other Chemical Product Formulation.							⊙	⊙
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
◆	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

10. Cemeteries

Applicable SIC Codes

6553 – Cemetery Subdividers and Developers
0782 – Law and Garden Services
0783 – Ornamental Shrub and Tree Services

Description

This category includes establishments specifically designated areas set aside to bury the deceased. Operations that generally occur may include mowing, trimming, planting, watering, fertilizing, digging, raking, and sprinkler installation. Landscape activities are conducted to improve the appearance, health, and value of the cemetery scenery. The Department of Agriculture, Weights and Measures (AWM) regulates these facilities.

Table 5.1.10 lists the Pollutant-generating Activities potentially associated with cemetery activities and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.10 – Pollutant-generating Activities and Associated Pollutants of Concern for Cemeteries

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.23	Pesticide or Other Chemical Product Formulation.		⊙					⊙	⊙
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
◆	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

11. Golf Courses

Applicable SIC Codes

7992 (Public Golf Courses)
7997 (Membership Sports and Recreation Clubs)

Description

This category includes public and private golf and country clubs. Operations at these facilities generally consist of mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation and the general upkeep of water bodies used as ornamental landscaping. AWM currently conducts inspections to evaluate compliance within stormwater regulations.

Table 5.1.11 lists the Pollutant-generating Activities potentially associated with golf courses activities and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.11 – Pollutant-generating Activities and Associated Pollutants of Concern for Golf Courses

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.23	Pesticide or Other Chemical Product Formulation.							⊙	⊙
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
◆	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

12. Parks and Other Recreational Facilities

Applicable SIC Codes
7997 (Membership Sports and Recreation Clubs)

Description

This category includes establishments that specifically correspond to a bounded area of land, usually in its natural or semi-natural (landscaped) state, that was set aside for a sport or a recreational purpose for a fairly large group of people. The most prevalent recreational facility in the County other than golf courses are paint ball fields. Paint balling is a sport in which participants use liquid-paint that is captured within spherical gelatin capsules containing primarily non-toxic water-soluble substances and dyes. DPW currently conducts parks and other recreational facility inspections to evaluate compliance within stormwater regulations.

Table 5.1.12 lists the Pollutant-generating Activities potentially associated with recreational parks, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.12 – Pollutant-generating Activities and Associated Pollutants of Concern for Parks and Other Recreational Facilities

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

13. Equine Facilities

Applicable SIC Codes

0272 (Horses and other Equines)
0279 (Animal Specialties, Not Elsewhere Classified)
0291 (General Farms, Primarily Livestock and Animal Specialties)
0752 (Animal Specialty Services, Except Veterinary)
7948 (Services-Racing, Including Track Operation)
7999 (Amusement and Recreation Services, Not Else Classified)

Description

This category includes establishments primarily engaged in selling, transferring, adopting, breeding, boarding, training, grooming, sheltering, or rescuing pets, livestock, or large animals.

This category includes establishments primarily engaged in the operation of riding, training, breeding, boarding, or driving horses; it includes both use of horses for practical, working purposes as well as recreational activities and competitive sports. This category does not include veterinary services.

Table 5.1.13 lists the Pollutant-generating Activities potentially associated with equestrian activities and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.13 – Pollutant-generating Activities and Associated Pollutants of Concern for Equine Facilities

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.d	Pet Waste / Manure		⊙			⊙			
	A.3.e	Liquid Waste	⊙	⊙						
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
◆	B.2.d	Animal Grooming and Washing	⊙	⊙	⊙		⊙			⊙
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.2	Animal Feeding and Grazing	⊙	⊙			⊙			
◆	C.23	Pesticide or Other Chemical Product Formulation.							⊙	⊙
	C.28	Special Events	⊙	⊙	⊙		⊙	⊙		
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
◆	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

14. Pet-related Facilities

Applicable SIC Codes
0752 (Animal Specialty Services, Except Veterinary)

Description

This category includes establishments primarily engaged in pet grooming and washing, housing or refuge. Pet Grooming operations generally consist of washing and trimming of animals. Animal kennels are structures such as cages, gates, buildings or yards that house large amounts of cats or dogs and could include pet motels and dog training centers. Operations generally occurring at kennels include animal feeding, washing, clipping and disposal of animal waste.

Table 5.1.14 lists the Pollutant-generating Activities potentially associated with pet-related activities and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.14 – Pollutant-generating Activities and Associated Pollutants of Concern for Pet-related facilities

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.d	Pet Waste / Manure		⊙			⊙			
◆	A.3.e	Liquid Waste	⊙	⊙						
◆	A.3.g	Green Waste		⊙	⊙		⊙			⊙
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
◆	B.2.d	Animal Grooming and Washing	⊙	⊙	⊙		⊙			⊙
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.28	Special Events	⊙	⊙	⊙		⊙	⊙		
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.a	Landscaping Activities	⊙	⊙	⊙	⊙				⊙
	D.2.b	Pesticide, Herbicide, & Fertilizer Application							⊙	⊙
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.i	Erodible Surfaces & Areas Under Construction	⊙	⊙	⊙			⊙		⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

15. Building Material Retailers and Storage

Applicable SIC Codes
5031 – Wholesale Lumber, Plywood, Millwork & Wood panels 5039 – Construction Materials

Description

Retailers

This category includes establishments primarily engaged in the sale of general line of building materials. Materials may include but are not limited to lumber, flooring, molding, doors, sashes, frames, other millwork, roofing materials, stone, masonry materials, insulation, paint, brick, tile, cement, sand, and gravel.

Storage

This category includes businesses that store or house building materials and supplies short term or for extended periods of time before they are delivered to a buyer.

Table 5.1.15 lists the Pollutant-generating Activities potentially associated with retailers and storage facilities, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.15 – Pollutant-generating Activities and Associated Pollutants of Concern for Building Material Retailers and Storage

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
◆	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
◆	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste								
◆	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
◆	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

16. Marinas

Applicable SIC Codes
4493 – Marinas

Description

This category includes establishments primarily engaged in the repair, maintenance, and cleaning of ships and boats. Operations may include engine repair, driveline repair, fluid removal/replacement and for this category could include body and interior components that are mechanical in nature. The marina may also have re-fueling, washing and repair facilities, may offer out-of-water-storage, and may include ground facilities such as parking lots for vehicles and boat trailers.

Table 5.1.16 lists the Pollutant-generating Activities potentially associated with marinas, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs associated with individual facilities vary depending on their actual uses and operations, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.1.16 – Pollutant-generating Activities and Associated Pollutants of Concern for Marinas

Priority PGA (◆)	PGA Reference Number (see Attachment 5.2)	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.a	Outdoor Vehicle Storage				⊙		⊙		
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste								
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
	A.3.f	Sanitary Wastes		⊙	⊙		⊙			
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
◆	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
◆	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
	C.32	Welding				⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

17. Municipal Development

Table 5.1.17 – Pollutant Generating Activities for Municipal Development

Category (see Attachment 5.2)	Description	Roads, Streets, Highways	MS4 Element	Solid Waste Element	Wastewater Element	Road Stations Element	Fleet Maintenance Element	Muni Airports Element	Parks and Rec Element	Office Buildings Element	Pesticides, Herbicides, Fertilizers Element	Non-Emergency Firefighting	Special Events Element
Category A Management of Materials and Wastes													
A.1	Materials Management and Storage	x	x	x	x	x	x	x	x	x	x	x	x
A.1.a	Materials Loading and Unloading	x	x	x	x	x	x	x	x	x	x	x	x
A.1.b	Storage of Materials	x		x	x	x	x	x	x	x	x		x
A.1.c	Liquid Container Storage			x	x	x	x	x	x	x			x
A.2	Waste Handling, Storage and Disposal	x		x	x	x	x	x	x	x	x	x	x
A.2.a	Hazardous Waste	x		x	x	x	x	x	x	x	x		
A.2.b	Solid Waste	x		x	x	x	x	x	x	x	x	x	x
A.2.c	Food Grease And Oil							x	x	x			x
A.2.d	Pet Waste / Manure								x	x			x
A.2.e	Liquid Waste				x	x	x		x	x		x	x
A.2.f	Sanitary Wastes			x	x	x		x	x	x			x
A.2.g	Green Waste	x		x	x	x		x	x	x	x	x	x
A.2.h	Recyclables / Reusables	x				x	x	x	x	x	x		x
Category B Vehicle and Equipment Activities													
B.1	Vehicle and Equipment Storage			x	x	x	x	x	x	x			
B.1.a	Outdoor Vehicle Storage			x	x	x	x	x	x	x			

Category (see Attachment 5.2)	Description	Roads, Streets, Highways	MS4 Element	Solid Waste Element	Wastewater Element	Road Stations Element	Fleet Maintenance Element	Muni Airports Element	Parks and Rec Element	Office Buildings Element	Pesticides, Herbicides, Fertilizers Element	Non-Emergency Firefighting	Special Events Element
B.1.b	Outdoor Equipment and Parts Storage			x	x	x	x	x	x	x			
B.2	Vehicle and Equipment Repair, Maintenance, and Service	x	x	x	x	x	x	x	x	x	x	x	x
B.2.a	Vehicle and Equipment Repair			x	x		x	x	x	x			
B.2.b	Changing Vehicle Fluids						x	x	x				
B.2.c	Vehicle and Equipment Fueling	x	x	x	x	x	x	x	x	x			x
B.2.d	Vehicle Washing					x	x	x		x		x	
B.2.e	Equipment Cleaning			x	x	x	x	x	x	x	x	x	x
Category C Outdoor Area Maintenance													
C.1	Building and Grounds Maintenance	x	x	x	x		x	x	x	x	x	x	x
C.1.a	Parking Areas			x	x	x	x	x	x	x			x
C.1.b	Landscaping Activities	x		x	x	x	x	x	x	x	x		
C.1.c	Pesticide, Herbicide, and Fertilizer Application	x	x	x	x	x			x	x	x		
C.1.d	Pool, Spa, and Fountain Maintenance									x			
C.1.f	Sidewalks and Paved Areas	x			x	x	x	x	x	x			x
C.1.g	Break Areas and Public Areas							x	x	x			x
C.1.h	Pressure Washing					x	x	x	x	x			x
C.1.i	Fire Sprinkler Testing and							x		x			

Category (see Attachment 5.2)	Description	Roads, Streets, Highways	MS4 Element	Solid Waste Element	Wastewater Element	Road Stations Element	Fleet Maintenance Element	Muni Airports Element	Parks and Rec Element	Office Buildings Element	Pesticides, Herbicides, Fertilizers Element	Non-Emergency Firefighting	Special Events Element
	Maintenance												
C.1.j	Erodible Surfaces and Areas Under Construction	x	x	x	x	x		x	x	x		x	
C.2	Roads and Streets	x											x
C.2.a	Road and Street Maintenance	x											
C.2.b	Road and Street Use	x											x
C.3.a	Storm Drain Systems	x			x	x	x	x	x	x		x	x
C.3.b	Illicit Discharges and Connections	x	x		x	x	x	x	x	x		x	x
C.3.a	HVAC Maintenance												
Category D Specific Operations and Activities													
D.1	Accident and Medical Emergency Response							x					
D.2	Animal Grooming and Washing									x			
D.3	Animal Feeding and Grazing												
D.4	Blasting	x					x	x					
D.5	Casting, Forging, or Forming							x					
D.6	Chemical Treatment										x		
D.7	Control Burns											x	
D.8	Cutting, Trimming, or Grinding		x				x	x		x			
D.9	Differential Settling Maintenance												

Category (see Attachment 5.2)	Description	Roads, Streets, Highways	MS4 Element	Solid Waste Element	Wastewater Element	Road Stations Element	Fleet Maintenance Element	Muni Airports Element	Parks and Rec Element	Office Buildings Element	Pesticides, Herbicides, Fertilizers Element	Non-Emergency Firefighting	Special Events Element
D.10	Dust and Particulate-Generating Activities	x	x		x	x		x	x	x		x	x
D.11	Fabrication						x						
D.12	Field Training and Drills											x	
D.13	Fire Access Roads / Fire Breaks Maintenance / Creation											x	
D.14	Fire Hydrant, Tank, and Hose Testing and Maintenance											x	
D.15	Floors, Mats, and Surfaces				x	x	x	x	x	x	x		x
D.16	Food Preparation							x	x	x			x
D.17	Gas Extraction Well Installation and Destruction												
D.18	Leachate Collection System Maintenance												
D.19	Methane Recovery System Maintenance and Repair												
D.20	Mixing									x	x		
D.21	Painting or Coating Activities	x	x			x	x	x	x	x			
D.22	Pesticide or Other Chemical Product Formulation										x		

Category (see Attachment 5.2)	Description	Roads, Streets, Highways	MS4 Element	Solid Waste Element	Wastewater Element	Road Stations Element	Fleet Maintenance Element	Muni Airports Element	Parks and Rec Element	Office Buildings Element	Pesticides, Herbicides, Fertilizers Element	Non-Emergency Firefighting	Special Events Element
D.23	Ramp and Runway Maintenance							x					
D.24	Recreational Uses								x				x
D.25	Sludge Removal and Disposal				x								
D.26	Special Events								x	x			x
D.27	Treatment Pond Maintenance				x	x							
D.28	Wastewater Treatment				x								
D.29	Weed Abatement and Vegetation Clearing		x		x				x	x	x		
D.30	Welding	x					x	x	x	x			

Attachment 5.2 – Industrial, Commercial, Municipal Best Management Practice Requirements

Attachment 5.2 – BMP Requirements for Specific Industrial, Commercial and Municipal Sources, Including Proposed Revision to the Watershed Protection Ordinance

A. Key Definitions

B. Watershed Protection Ordinance (WPO) Excerpts Applicable to Industrial, Commercial and Municipal Sources

C. BMP Requirements for Specific Industrial, Commercial and Municipal Pollutant-generating Activities (PGAs)

A. Key Definitions

Best management practices" (BMPs) shall have the same meaning as defined in the NPDES Order. Best management practices may include any type of pollution prevention and pollution control measure that achieves compliance with this Chapter.

"Discharge", when used as a verb, means to allow pollutants to directly or indirectly enter stormwater, or to allow stormwater or non-stormwater to directly or indirectly enter the stormwater conveyance system or receiving waters, from an activity or operations which one owns or operates. When used as a noun, "discharge" means the pollutants, stormwater or non-stormwater that are discharged.

"Discharger" means any person or entity engaged in activities or operations or owning facilities, from which an allowed non-stormwater discharge to the stormwater conveyance system may or does originate or which will or may result in pollutants entering stormwater, the stormwater conveyance system, or receiving waters or the owners of real property on which such activities, operations or facilities are located, except that a local government or public authority is not a discharger as to activities conducted by others in public rights-of-way.

"Environmentally sensitive area" or "ESA" means impaired water bodies, as defined by the federal Clean Water Act, Section 303(d), areas designated as Areas of Special Biological Significance or with the RARE beneficial use by the SWRCB in the Water Quality Control Plan for the San Diego Basin (1994 and amendments) and areas designated as preserves for species- protection purposes by the State of California or a local government.

"Feasible" means capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, and technological factors as determined in the sole discretion of the County. Feasibility may be limited in this Chapter to eliminate consideration of economic, environmental and other factors as, for example, where feasibility is specifically defined as technological feasibility.

"Illicit connection" means any man-made conveyance or drainage system through which non-stormwater or pollutants in water, not authorized by an NPDES permit or the NPDES Order are discharged or may be discharged to the stormwater conveyance system.

"Maximum extent practicable" (MEP) shall have the same meaning as defined in the NPDES Order.

"Non-Stormwater" means all discharges to and from the stormwater conveyance system that do not originate from precipitation.

"Pollutant" means any agent that may cause, potentially cause or contribute to the degradation of water quality such that a condition of pollution or contamination is created or aggravated.

"Pollution prevention" means the practices and processes that reduce or eliminate the generation of pollutants such as the use of smaller quantities of toxic materials or substitution of less toxic materials; changes to production processes to reduce waste; decreases in waste

water flows; recycling of wastes as part of the production process; segregation of wastes, and treatment of wastes on site to decrease volume or toxicity.

“Receiving waters” shall mean waters of the United States.

“Stormwater conveyance system” means private and public drainage facilities other than sanitary sewers within the unincorporated area of San Diego County by which water run-off may be conveyed to receiving waters, and includes but is not limited to roads, streets, constructed channels, aqueducts, storm drains, pipes, street gutters, inlets to storm drains or pipes, or catch basins.

“Stormwater Quality Management Plan” means a plan, submitted on a County form or in a County approved format with an application for a County permit or other County approval, identifying the measures that will be used for stormwater and non-stormwater management for a development project. There are two types of SWQMPs: a Standard SWQMP and a PDP SWQMP. A PDP SWQMP is required for all Priority Development Projects west of the Pacific/Salton Divide. Standard SWQMPs are required for all development projects east of the Pacific/Salton Divide and for all projects west of the Pacific/Salton Divide that are not Priority Development Projects.

“Stormwater pollution prevention plan” (SWPPP) means an approved site-specific plan that (1) identifies and evaluates sources of pollutants associated with activities that may affect the quality of stormwater discharges, (2) eliminates non-stormwater discharges, and (3) identifies and implements site-specific BMPs to reduce or to prevent pollutants in stormwater or retain non-stormwater discharges.

“Tributary to an impaired water body” means any facility or activity that is a tributary to an impaired water body because urban run-off from that facility or activity enters (1) the stormwater conveyance system at a place and in a manner that will carry pollutants for which that water body is impaired to the impaired water body; (2) a flowing stream that will carry pollutants for which that water body is impaired to the impaired water body; or (3) an ephemeral stream that reaches the impaired water body during storm events and that will carry pollutants for which that water body is impaired during such storm events.

“Water quality standards” mean those regionally determined beneficial uses and water quality objectives in applicable water quality control and basin plans, together with anti-degradation policies that serve as water quality standards under the Clean Water Act.

B. Watershed Protection Ordinance (WPO) Excerpts Applicable to Industrial, Commercial and Municipal Sources

Key sections of the Watershed Protection Ordinance (WPO) with applicability to Industiral, Commercial and Municipal Dischargers are provided below. The WPO is provided in its entirety in Attachment 2.2.

SEC. 67.804. DISCHARGE PROHIBITIONS.

(a) It is unlawful for any person to discharge or cause the discharge of pollutants or non-stormwater directly or indirectly into the stormwater conveyance system or receiving waters, except as set forth in Section 67.805 or as otherwise authorized by law.

(b) It is unlawful for any person to construct, use or maintain a connection to the stormwater conveyance system that discharges any matter other than stormwater, except as set forth in Section 67.805(a). This Section expressly supersedes any previously issued permit or authorization granted by the County and expressly prohibits any previously legal non-conforming connection.

(c) It is unlawful to throw, deposit, leave, abandon, maintain, or keep materials or wastes on public or private lands in a manner and place where they may result in a discharge.

(d) Stormwater discharges from the site may not contain sediments in amounts in excess of the sediments that would have been discharged from the site in an undisturbed condition.

SEC. 67.805. EXEMPTIONS FROM DISCHARGE PROHIBITIONS.

The following are exempt from the prohibitions in Section 67.804:

(a) Any discharge or connection regulated under a valid facility-specific NPDES permit or non-stormwater discharges exempted pursuant to Section II.E.2. of the NPDES Order, provided that the discharge or connection is in compliance with all relevant permit conditions and the requirements of the NPDES Order to the satisfaction of the County or Regional Water Quality Control Board.

(b) Discharges of non-stormwater to the stormwater conveyance system covered by NPDES Permit No. CAG919001 (Order No. R9-2007-0034, or subsequent order) for discharges to San Diego Bay, or NPDES Permit No. CAG919002 (Order No. R9-2008-0002, or subsequent order) for discharges to surface waters other than San Diego Bay meeting the requirements enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Uncontaminated pumped ground water;

(2) Discharges from foundation drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year;

(3) Water from crawl space pumps; and

(4) Water from footing drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year.

(c) Non-stormwater discharges from water line flushing and water main breaks to the stormwater conveyance system are allowed provided the discharge is covered by NPDES Permit No. CAG679001 (Order No. R9-2010-003, or subsequent order) unless determined by the County or RWQCB to be a source of pollutants to receiving waters. This exemption does not cover discharges from recycled or reclaimed water lines unless covered by a separate NPDES permit.

(d) Discharges of non-stormwater to the stormwater conveyance system meeting the requirements enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Diverted stream flows;

(2) Rising ground waters;

(3) Uncontaminated ground water infiltration to stormwater conveyance system;

(4) Springs;

(5) Flows from riparian habitats and wetlands;

(6) Discharges from potable water sources;

(7) Discharges from foundation drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances; and

(8) Discharges from footing drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances.

(e) Discharges of non-stormwater to the stormwater conveyance system as enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Air conditioning condensation

(A) Whenever feasible, the discharge of air conditioning condensation shall be directed to landscaped areas, pervious surfaces, or to the sanitary sewer.

(2) Individual residential vehicle washing at a residence in accordance with Section 67.807(b)

(A) Whenever feasible, the discharge of wash water shall be directed to landscaped areas or other pervious surfaces; and

(B) The amount of water, washing detergent and other vehicle wash products used shall be the minimum amount necessary to completely wash the vehicle. This requirement shall be deemed violated if visible soap scum, oil sheen, or other by-products of residential vehicle washing reach the gutter or other drainage conveyance device in front of the residence where the vehicle is being washed.

(3) Dechlorinated swimming pool discharges

(A) Residual chlorine from swimming pools and fountains must be eliminated prior to discharging to the stormwater conveyance system or receiving waters;

(B) Filter backwash, acid-wash water (pH <7.2 and > 8.0), and algaecide-treated pool water shall be prohibited from discharge to the stormwater conveyance system or receiving water; and

(C) The discharge of saline swimming pool water must be directed to the sanitary sewer, landscaped areas, or other pervious surfaces that can accommodate the volume of water, unless the saline swimming pool water can be discharged via a pipe or concrete channel directly to a naturally saline water body (e.g. Pacific Ocean).

(f) Firefighting discharges to the stormwater conveyance system are only prohibited if determined to be a significant source of pollutants to receiving waters by the County or RWQCB. Firefighting discharges to the stormwater conveyance system not identified as a significant source of pollutants to receiving waters are allowed provided they meet the following requirements:

(1) Non-emergency firefighting discharges

(A) Building fire suppression system maintenance discharges (e.g. sprinkler line flushing) to the stormwater conveyance system are prohibited unless BMPs are implemented to prevent pollutants associated with such discharges from entering the stormwater conveyance system.

(B) Non-emergency firefighting discharges (i.e., discharges from controlled or practice blazes, firefighting training, and maintenance activities not associated with building fire suppression systems) must be addressed by a program developed and implemented by the County, to reduce or eliminate pollutants in such discharges from entering the stormwater conveyance system.

(2) Emergency firefighting discharges

(A) The development and implementation of BMPs to reduce or eliminate pollutants in emergency firefighting discharges to the stormwater conveyance system and receiving waters is encouraged, but not required. Notwithstanding the foregoing, the County may require the use of BMPs for firefighting discharges when determined by the authorized enforcement official to be necessary to eliminate or reduce the discharge of pollutants to the stormwater conveyance system or receiving waters. As applicable, required BMPs may include those described in Sections 67.806 and 67.808. Any BMPs that interfere with immediate emergency response operations or impact public health and safety need not be used.

(g) In the event that any non-stormwater discharge identified in Section 67.805 (a) through (f) is determined to be a source of pollutants to receiving waters, it may only be allowed to continue within an applicable Watershed Management Area if controls set forth by the County in the corresponding Water Quality Improvement Plan are implemented to the satisfaction of the RWQCB.

(h) Discharges exempted from compliance by operation or law; any permits, orders or decisions issued by the RWQCB; and any waivers, or renewals of waivers issued by the RWQCB such as those covered by Regional Board Order No. R9-2014-0041, adopted June 26, 2014.

SEC. 67.806. GENERAL BEST MANAGEMENT PRACTICE REQUIREMENTS.

The following requirements apply to all dischargers:

(a) All dischargers must perform and maintain the following BMPs:

(1) Prior to the rainy season, remove or secure any significant accumulations of eroded soils from slopes previously disturbed by landscaping, clearing or grading, if those eroded soils could otherwise enter and impact the stormwater conveyance system or receiving waters during the rainy season.

(2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous.

(3) Eliminate illicit connections.

(4) Protect from erosion those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter.

(5) Store all materials and wastes with the potential to pollute stormwater in a manner that prevents contact with rainfall, run-on, run-off and wind dispersal.

(6) Locate, configure, and manage stockpiles of soil, green waste and compost to prevent the release of materials to the stormwater conveyance system or receiving waters.

(7) Use all materials with the potential to pollute run-off, such as outdoor cleaning and maintenance products, fertilizers, pesticides and herbicides in accordance with label directions. No such product may be disposed of or rinsed into receiving waters or the stormwater conveyance system.

(8) Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup pollutants, unless wet cleanup methods are otherwise allowed in this Chapter.

(b) BMPs shall be maintained to function as intended and designed. BMPs which fail shall be repaired or replaced as soon as it is safe or practicable. If BMPs fail notwithstanding their intent or design, the BMPs shall be modified or upgraded to prevent any further failure in the same or similar circumstances.

(c) Notwithstanding the provisions of this Chapter, an authorized enforcement official may require a discharger to prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) for approval by the authorized enforcement official as follows:

(1) If the discharger fails to comply with any applicable requirement of this Chapter after one or more written notifications or other enforcement actions have been taken because BMPs have been determined to be inadequate or are not being adequately maintained.

(2) The activity at issue is considered a significant source of pollutants or a source of a non-stormwater discharge in excess of what is allowed by this Chapter to the stormwater conveyance system or receiving waters. Any discharger required to submit and to obtain approval of a SWPPP shall install, implement and maintain the BMPs specified in the approved SWPPP.

(3) The SWPPP shall identify the BMPs or corrective measures that will be used by the discharger to prevent or control pollution of stormwater to the MEP and bring the non-stormwater discharge into conformance with the requirements of this Chapter. If a facility discharges non-stormwater to ground water, the facility shall obtain an RWQCB permit as required by the State Water Code, and shall describe the requirements of that permit in the SWPPP.

(d) Notification of Spills, Releases and Illegal Discharges.

(1) Spills, releases, or discharges of pollutants or non-stormwater in excess of what is allowed by this Chapter to receiving waters or to the stormwater conveyance system shall be reported by the discharger as required by all applicable state and federal laws.

(2) Any such spills, releases or discharges with the potential to endanger health, safety or the environment shall be reported to the Director, Department of Public Works, within 24 hours after discovery of the spill, release or discharge. Spills that have been completely contained and cleaned up on-site are not considered significant unless they pose a threat to human health or safety.

(3) If safe to do so, necessary actions shall be taken to contain and minimize the spill, release or discharge of any pollutants to the MEP and bring any allowed discharge of non-stormwater into compliance with this Chapter.

(e) Sampling, Testing, Monitoring, and Reporting.

(1) Dischargers shall perform the sampling, testing, monitoring and reporting required by this Chapter.

(2) An authorized enforcement official may order a discharger to conduct testing or monitoring and to report the results to the County if one or more of the following occurs:

(A) The authorized enforcement official determines that testing or monitoring is needed to determine whether BMPs are effectively preventing or reducing pollution in stormwater to the MEP or necessary to allow for the continued discharge of non-stormwater under the limited circumstances permitted by this Chapter.

(B) Testing or monitoring is needed to determine whether the facility is a significant source of pollutants or of otherwise prohibited non-stormwater discharges to receiving waters or the stormwater conveyance system.

(C) The authorized enforcement official determines that testing or monitoring is needed to assess the impacts of a discharge on the public's health, safety or the environment.

(D) A discharge has not been eliminated after written notice by an authorized enforcement official.

(E) The RWQCB requires the County to provide any information related to the discharger's activities.

(3) Sampling, testing or monitoring ordered pursuant to this Section may include one or more of the following:

(A) Visual monitoring of dry weather flows, wet weather erosion, discharge points or conditions of BMPs.

(B) Visual monitoring of premises for spills or discharges.

(C) Laboratory analyses of discharges for pollutants.

(D) Background or baseline monitoring or analysis.

(E) Monitoring of receiving waters or sediments that may be affected by pollutant discharges by the discharger or by a group of dischargers including the discharger.

(4) The authorized enforcement official may direct the manner in which the results of required testing and monitoring are reported, and may determine that sampling, testing or monitoring may discontinue.

SEC. 67.808. ADDITIONAL MINIMUM BEST MANAGEMENT AND POLLUTION PREVENTION PRACTICES FOR INDUSTRIAL, COMMERCIAL AND MUNICIPAL FACILITIES AND ACTIVITIES.

The following requirements apply to all industrial, commercial and municipal facilities and activities:

(a) The owner or operator shall install and maintain BMPs and implement a pollution prevention program appropriate to the activity, as specified in the following areas and manner:

(1) Stormwater BMP training

(A) Provide stormwater BMP training at least annually to all operators, employees, and workers with responsibility for activities that could result in unauthorized discharges of pollution or non-stormwater.

(B) Training shall address the pollution and non-stormwater generating activities conducted at the facility, the pollutants or risk of non-stormwater discharge associated with those activities, and the BMPs or pollution prevention practices used to minimize or eliminate the discharge of non-stormwater and pollutants.

(C) The following BMP categories shall be included in training ,where applicable:

i. Preventive maintenance.

ii. Good housekeeping.

iii. Proper waste disposal.

iv. Non-stormwater disposal alternatives.

v. Equipment/vehicle maintenance and repair.

vi. Spill response, containment, and recovery.

vii. Recycling, re-use, and volume reduction in materials, water consumption and wastes.

viii. BMP maintenance.

(2) Where required to implement a SWPPP, retain on site a copy of a current, complete, site-specific SWPPP and make it available for review by the authorized enforcement official, upon request.

(3) Review the operations and procedures relating to protecting the stormwater conveyance system and receiving waters from pollutants and prohibited, non-stormwater discharges at least annually.

(4) Implement pollution prevention methods or those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business to eliminate or reduce pollutants in run-off to the MEP and eliminate the discharge of non-stormwater in an amount or manner beyond what is allowed by this Chapter.

(5) Housekeeping.

(A) The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed, transported and disposed of in accordance with this Chapter.

(B) Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters.

(6) Liquid waste management

(A) Wet clean-up or cleaning methods such as hosing, steaming or pressure washing are prohibited except where adequate precautions have been taken to prevent the discharge of wash water and pollutants into the stormwater conveyance system or receiving waters.

(B) Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited.

(C) Rinse water shall be confined to a designated area such as a sanitary sewer, dead-end sump, process treatment system, or hole where water percolates or evaporates and solids are removed for collection and disposal. Rinse water and solids shall be re-used, recycled, or disposed of in accordance with this Chapter.

(D) Wash water shall be directed to an approved sanitary sewer or landscaped locations.

(E) Wash racks.

i. Wash rack areas shall have perimeter control and be properly sloped to a grated floor drain.

ii. Wash rack areas shall drain to the sanitary sewer or to a holding tank, except that wash racks for animals may drain to the ground in accordance with this Chapter.

(F) Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited.

(G) If provided, pump-out services for boats, portable toilets, or other holding tanks shall be conducted in a manner that prevents the release of sewage to the stormwater conveyance system or receiving waters.

(H) Wastewater shall be disposed to the sanitary sewer at the job site or to a holding tank. Disposal of wastewater contained in holding tanks shall be disposed of to the sanitary sewer at the business's company headquarters or at an approved facility.

(I) Discharging backwash wastewater to the stormwater conveyance system or receiving waters is prohibited. Backwash wastewater may be disposed to the sanitary sewer; to a holding tank or settling pond; or where allowed by this Chapter, by infiltration to the soil.

(J) Under the limited circumstances allowed by this Chapter, pool and spa water intended for discharge to the stormwater conveyance system shall be dechlorinated or debrominated prior to discharge.

(K) Under the limited circumstances allowed by this Chapter, pool and spa water discharged after acid washing shall be neutralized to a pH of 7.2 - 8.0.

(L) If rinse water from the cleaning of portable sanitary toilet closets cannot be properly disposed of to the sanitary sewer at a job site, it shall be contained prior to disposal at the service facility or other approved facility.

(M) Wash and rinse water from building and pavement washing that cannot be properly disposed of at the job site shall be collected and contained for recycling, reuse, or proper disposal.

(N) Where irrigation tail-water return ponds are used, the ponds shall be designed with the appropriate vertical separation between the base of the pond and the seasonal high groundwater mark and must be lined or managed to prevent the movement of water-soluble chemicals to the groundwater and to stormwater flows.

(7) Materials and waste management.

(A) Spill prevention and response.

i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible.

ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use.

iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.

(B) Hazardous materials and hazardous wastes.

i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations.

ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method.

iii. Paints, coatings, thinners, and other materials shall be disposed of in accordance with this Chapter.

iv. Secondary containment of hazardous materials or waste shall be provided around storage areas if the authorized enforcement official has determined that a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters.

v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season.

vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations.

vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall.

viii. Pesticide use shall be reduced whenever practical in areas where recurring applications of pesticides are performed.

(C) Solid, non-hazardous materials and waste.

i. Trash storage and disposal areas shall be kept clean and free of debris.

ii. Dumpsters, grease bins, grease traps, and interceptors, and other containers shall be maintained in a clean and leak -proof condition and shall be kept securely closed when not in use.

iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible.

iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry clean-up methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this Chapter.

v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge of manure to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.

vi. Wastes from small animals (e.g., dogs and cats) shall be cleaned up and properly disposed of at least weekly.

(D) Loading and unloading.

i. Storm drain inlets located within or down-gradient of loading or unloading areas shall be covered or otherwise protected during loading and unloading activities to prevent the entry of pollutants and prohibited non-stormwater discharges into the stormwater conveyance system or receiving waters.

ii. Equipment and supplies stored in loading and unloading areas shall be properly maintained to prevent leaks and spills to the stormwater conveyance system or receiving waters, and to prevent their contact with rainfall and run-on.

(E) Storage.

i. Outdoor storage areas of materials and equipment shall be configured using berms, dikes, or other diversion structures or other measures that elevate stored materials and equipment from site surfaces.

ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with precipitation or surface waters.

iii. Storage of cement and masonry materials shall be above ground and covered.

iv. Placement of stock piles within any drainage system is prohibited.

v. Stockpiles and bulk materials, such as soil, fertilizer, and potting mixture shall be covered during windy and rainy conditions where practicable. Prior to the onset of predicted rain, stockpiles shall be covered and bermed to prevent contact with stormwater.

(8) Vehicles and equipment.

(A) All vehicles and equipment shall be properly maintained and inspected to ensure their proper functioning to prevent discharges.

(B) Vehicles and equipment shall not be washed in areas where wash water or rinse water will drain to the stormwater conveyance system or receiving waters.

(C) Infiltration of wash or rinse water to pervious surfaces is allowed with a minimum of 10 feet separation between the groundwater and the pervious surface, except that wash or rinse water generated from cleaning engines, mechanical parts, or heavy equipment shall not infiltrate a pervious surface.

(D) The use of hose-off or single-use engine degreasing chemicals is prohibited, unless captured and properly disposed.

(E) Maintenance and repair equipment shall be kept clean to avoid the build-up of grease and oil.

(F) Fluids shall be drained from any retired vehicles or equipment stored on site.

(G) Vehicle and equipment maintenance and repair work such as body work shall be conducted indoors or under cover, where practicable. If work cannot be conducted indoors or under cover, other BMPs shall be implemented to prevent the discharge of pollutants into the stormwater conveyance system or receiving waters. Discharge of non-stormwater to the stormwater conveyance system is prohibited.

(H) Major repair and maintenance work on boats over or in the water is prohibited. Touch-up painting, tune ups, or other similar activities are not considered major repair or maintenance work, but may only be conducted over or in the water if adequate precautions have been taken to prevent the entry of pollutants into the water.

(9) Outdoor areas - housekeeping and grounds keeping practices.

(A) Storm drain inlets located within or down gradient of the activity shall be covered or otherwise protected from the entry of pollutants and non-stormwater during the work activity.

(B) Landscaping, grounds keeping and agriculture unless exempt pursuant to Section 67.805(h).

i. Exposed slopes shall be stabilized as soon as possible.

ii. Paved surfaces such as sidewalks shall be cleaned regularly using dry clean-up methods such as sweeping or vacuuming. Hosing is permissible only after surfaces have previously been cleaned using dry methods, and only if precautions have been taken to prevent the discharge of run-off to the storm drain.

iii. Business, industrial and municipal facilities owners and their contractors shall clean-up and properly dispose of spills from any pesticides, herbicides and fertilizers to non-porous surfaces. These materials shall be stored in closed, labeled containers, such as in covered areas, off the ground, or under protective tarps, and in a manner that will not lead to a discharge. Disposal of pesticides, herbicides and fertilizers to the stormwater conveyance system and receiving waters is prohibited.

(C) Parking lots and vehicle storage areas.

i. Wet clean-up methods may only be used where adequate precautions have been taken to prevent the entry of wash water and pollutants into the stormwater conveyance system or receiving waters.

ii. Vehicle maintenance and repair operations with the potential to release non-stormwater or pollutants are prohibited at commercial parking lots and storage facilities.

(D) Rooftops.

i. Materials which may contaminate stormwater shall not be stored on rooftops unless adequate precautions have been taken to prevent their contact with stormwater.

ii. Equipment such as emergency generators, HVAC systems and other similar items located on rooftops shall be inspected and preventive maintenance conducted to prevent leaks and spills.

iii. Substances such as bird droppings, grease, leaves, that have accumulated on rooftops shall be removed, as practicable, to prevent or reduce the discharge of contaminants directly or indirectly to the stormwater conveyance system or receiving waters.

iv. Where feasible, roof downspouts shall be routed away from work areas and toward pervious areas such as lawns, except where required under Sections 67.810 and 67.811.

(b) Other requirements.

(1) Any commercial, industrial, or municipal facility or activity operating under the statewide Industrial General Permit shall provide the following documents for on-site review by the authorized enforcement official as applicable, and if requested:

(A) The Notice of Intent letter or a Waste Discharge Identification Number issued by the SWRCB.

(B) A SWPPP satisfying the requirements of the Industrial General Permit.

(C) A monitoring program satisfying the requirements of the Industrial General Permit.

(D) Training records satisfying the requirements of the Industrial General Permit.

(2) Any discharger whose facilities or activities are not in compliance with this Chapter, or any discharger or category of dischargers determined to pose a significant threat to water quality, may be required to implement additional controls as determined by the authorized enforcement official. The authorized enforcement official may require dischargers to maintain, on site, written documentation of these additional requirements, and to provide such documentation upon request.

C. BMP Requirements for Specific Industrial, Commercial and Municipal Pollutant-generating Activities (PGAs)

Table 5.2.1 – Required Best Management Practices (BMPs) by Pollutant-generating Activity

Category A: Management of Materials and Wastes	
A.1 MATERIALS MANAGEMENT AND STORAGE	
A.1.a Materials Loading and Unloading	WPO Section 67.808(a)(6)(A) – Use dry clean-up methods i. Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup Pollutants, unless wet cleanup methods are otherwise allowed in this Chapter. WPO Section 67.808(a)(7)(A) – Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(D) -- Loading and unloading i. Storm drain inlets located within or down-gradient of loading or unloading areas shall be covered or otherwise protected during loading and unloading activities to prevent the entry of pollutants into the stormwater conveyance system or receiving waters. ii. Equipment and supplies stored in loading and unloading areas shall be properly maintained to prevent leaks and spills to the stormwater conveyance system or receiving waters, and to prevent their contact with rainfall and run-on.
A.1.b Storage of Materials **A.1.c Liquid Container Storage**	WPO Section 67.806(a) – General BMP Requirements (5) Store all materials and wastes with the potential to pollute stormwater in a manner that either prevents contact with rainfall and runoff from storm flows or contains contaminated runoff for treatment and disposal. (6) Locate, configure, and manage stockpiles of soil, green waste and compost to prevent the release of materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) – Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(B) – Hazardous materials and hazardous wastes i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations. ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method. iv. Secondary containment of hazardous waste shall be provided around storage areas from which a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters. v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season. vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations.

	WPO Section 67.808(a)(7)(E) -- Storage i. Outdoor storage areas of materials and equipment shall be configured using berms, dikes, or other diversion structures or other measures that elevate stored materials and equipment from site surfaces. ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with stormwater. iii. Storage of cement and masonry materials shall be above ground and covered. iv. Placement of stock piles within any drainage system is prohibited. v. Stockpiles and bulk materials, such as soil, fertilizer, and potting mixture shall be covered during windy and rainy conditions where practicable. Prior to the onset of predicted rain, stockpiles shall be covered and bermed to prevent contact with stormwater. WPO Section 67.808(a)(9)(D) – Rooftops i. Materials which may contaminate stormwater shall not be stored on rooftops unless adequate precautions have been taken to prevent their contact with stormwater.
A.2 WASTE HANDLING AND STORAGE	
A.2.a Hazardous Waste	WPO Section 67.808(a)(7)(A) – Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(B) -- Hazardous materials and hazardous wastes i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations. ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method. iii. Paints, coatings, thinners, and other materials shall be disposed of in accordance with this chapter. iv. Secondary containment of hazardous waste shall be provided around storage areas from which a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters. v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season. vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations. vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall. viii. Pesticide use shall be reduced to the MEP in areas where recurring applications of pesticides are performed.

A.2.b Solid Waste **A.2.c Food Grease And Oil**	<u>WPO Section 67.808(a)(7)(A) – Spill prevention and response</u> i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. <u>WPO Section 67.808(a)(8) (C) -- Solid, non-hazardous waste</u> i. Trash storage and disposal areas shall be kept clean and free of debris. ii. Dumpsters, grease bins, and other containers shall be maintained in a clean and leak proof condition and shall be kept securely closed when not in use. iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible. iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. <u>WPO Section 67.808(a)(7)(E) – Storage</u> i. Outdoor storage areas of materials and equipment shall be configured using berms, dikes, or other diversion structures or other measures that elevate stored materials and equipment from site surfaces. ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with stormwater.
A.2.d Pet Waste / Manure	<u>WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste</u> i. Trash storage and disposal areas shall be kept clean and free of debris. ii. Dumpsters, grease bins, and other containers shall be maintained in a clean and leak proof condition and shall be kept securely closed when not in use. iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible. v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal. <u>WPO Section 67.808(a)(7)(E) – Storage</u> ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with stormwater. iv. Placement of stock piles within any drainage system is prohibited. v. Stockpiles and bulk materials, such as soil, fertilizer, and potting mixture shall be covered during windy and rainy conditions where practicable. Prior to the onset of predicted rain, stockpiles shall be covered and bermed to prevent contact with stormwater.

A.2.e Liquid Waste **A.2.f Sanitary Wastes**	<u>WPO Section 67.808(a)(6) -- Liquid waste management</u> B. Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited. C. Rinse water shall be confined to a designated area such as a sanitary sewer, dead-end sump, process treatment system, or hole where water percolates or evaporates and solids are removed for collection and disposal. Rinse water and solids shall be re-used, recycled, or disposed of in accordance with this chapter. D. Wash water shall be directed to an approved sanitary sewer or landscaped locations. E. Wash racks. i. Wash rack areas shall have perimeter control and be properly sloped to a grated floor drain. ii. Wash rack areas shall drain to the sanitary sewer or to a holding tank. F. Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited. G. If provided, pump-out services for boats, portable toilets, or other holding tanks shall be conducted in a manner that prevents the release of sewage to the stormwater conveyance system or receiving waters. H. Wastewater shall be disposed to the sanitary sewer at the job site or to a holding tank. Disposal of wastewater contained in holding tanks shall be disposed of to the sanitary sewer at the business's company headquarters or at an approved location. I. Discharging backwash wastewater to the stormwater conveyance system or receiving waters is prohibited. Backwash wastewater may be disposed to the sanitary sewer; to a holding tank or settling pond; or where allowed by this chapter, by infiltration to the soil. J. Pool, spa, and fountain water intended for discharge to the stormwater conveyance system shall contain a concentration of zero ppm chlorine or bromine prior to discharge. K. Pool, spa, and fountain water discharged after acid washing shall be neutralized to a pH of 7.2 - 8.0. L. If rinse water from the cleaning of portable sanitary toilet closets cannot be properly disposed of to the sanitary sewer at a job site, it shall be contained prior to disposal at the service facility or other approved facility. M. Wash and rinse water from building and pavement washing that cannot be properly disposed of at the job site shall be collected and contained for recycling, reuse, or proper disposal. N. Where irrigation tail-water return ponds are used, the ponds shall be designed with the appropriate vertical separation between the base of the pond and the seasonal high groundwater mark and must be lined or managed to prevent the movement of water-soluble chemicals to the groundwater and to stormwater flows. <u>WPO Section 67.808(a)(7)(A) – Spill prevention and response</u> i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. <u>WPO Section 67.808(a)(7)(E) – Storage</u> ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with stormwater.

A.2.g Green Waste	<u>WPO Section 67.806(a) – General BMP Requirement</u> (6) Locate, configure, and manage stockpiles of soil, green waste and compost to prevent the release of materials to the stormwater conveyance system or receiving waters. <u>WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste</u> i. Trash storage and disposal areas shall be kept clean and free of debris. ii. Dumpsters, grease bins, and other containers shall be maintained in a clean and leak proof condition and shall be kept securely closed when not in use. iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible. iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. <u>WPO Section 67.808(a)(7)(E) – Storage</u> ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with stormwater.
A.2.h Recyclables / Reusables	<u>WPO Section 67.808(a)(6) -- Liquid waste management</u> M. Wash and rinse water from building and pavement washing that cannot be properly disposed of at the job site shall be collected and contained for recycling, reuse, or proper disposal. <u>WPO Section 67.808(a)(7)(A) – Spill prevention and response</u> iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. <u>WPO Section 67.808(a)(7)(E) – Storage</u> ii. Containers shall be kept in a leak-proof condition, securely closed when not in use, and stored in a manner that protects them from contact with stormwater.

Category B: Vehicle and Equipment Activities	
B.1 VEHICLE AND EQUIPMENT STORAGE	
B.1.a Outdoor Vehicle Storage **B.1.b Outdoor Equipment and Parts Storage**	WPO Section 67.808(a)(7)(D) -- Loading and Unloading i. Equipment and supplies stored in loading and unloading areas shall be properly maintained to prevent leaks and spills to the stormwater conveyance system or receiving waters, and to prevent their contact with rainfall and run-on. WPO Section 67.808(a)(7)(E) -- Storage i. Outdoor storage areas of materials and equipment shall be configured using berms, dikes, or other diversion structures or other measures that elevate stored materials and equipment from site surfaces. WPO Section 67.808(a)(8) -- Vehicles and equipment (F) Fluids shall be drained from any retired vehicles or equipment stored on site. WPO Section 67.808(a)(9)(C) -- Parking lots and vehicle storage areas i. Wet clean-up methods may only be used where adequate precautions have been taken to prevent the entry of wash water and other contaminants into the stormwater conveyance system or receiving waters. ii. Vehicle maintenance and repair operations with the potential to release pollutants are prohibited at commercial parking lots and storage facilities. WPO Section 67.808(a)(9)(D) -- Rooftops Equipment such as emergency generators, HVAC systems and other similar items located on rooftops shall be inspected and preventive maintenance conducted to prevent leaks and spills.

B.2 VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE	
B.2.a Vehicle and Equipment Repair **B.2.b Changing Vehicle Fluids** **B.2.c Vehicle and Equipment Fueling**	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) – Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(8) -- Vehicles and Equipment A. All vehicles and equipment shall be properly maintained and inspected to ensure their proper functioning. D. The use of hose-off or single-use engine degreasing chemicals is prohibited, unless captured and properly disposed. E. Maintenance and repair equipment shall be kept clean to avoid the build up of grease and oil. F. Fluids shall be drained from any retired vehicles or equipment stored on site. G. Vehicle and equipment maintenance and repair work such as body work shall be conducted indoors or under cover, where practicable. If work cannot be conducted indoors or under cover, other BMPs shall be implemented to prevent the discharge of pollutants into the stormwater conveyance system or receiving waters. H. Major repair and maintenance work on boats over or in the water is prohibited. Touch-up painting, tune ups, or other similar activities are not considered major repair or maintenance work, but may only be conducted over or in the water if adequate precautions have been taken to prevent the entry of pollutants into the water. WPO Section 67.808(a)(9) -- Outdoor areas--housekeeping and grounds keeping practices. C. Parking lots and vehicle storage areas. ii. Vehicle maintenance and repair operations with the potential to release pollutants are prohibited at commercial parking lots and storage facilities. WPO Section 67.808(a)(7)(B) -- Hazardous materials and hazardous wastes i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations.
B.2.d Vehicle Washing **B.2.e Equipment Cleaning**	WPO Section 67.808(a)(8) -- Vehicles and Equipment (B) Vehicles and equipment shall not be washed in areas where wash water or rinse water will drain to the stormwater conveyance system or receiving waters. (C) Infiltration of wash or rinse water to pervious surfaces is allowed with a minimum of 10 feet separation between the groundwater and the pervious surface, except that wash or rinse water generated from cleaning engines, mechanical parts, or heavy equipment shall not infiltrate a pervious surface. (D) The use of hose-off or single-use engine degreasing chemicals is prohibited, unless captured and properly disposed. (E) Maintenance and repair equipment shall be kept clean to avoid the build up of grease and oil.

Category C: Outdoor Area Maintenance	
C.1 BUILDING AND GROUNDS MAINTENANCE	
C.1.a Parking Areas	WPO Section 67.808(a)(9)(C) -- Parking lots and vehicle storage areas i. Wet clean-up methods may only be used where adequate precautions have been taken to prevent the entry of wash water and other contaminants into the stormwater conveyance system or receiving waters. ii. Vehicle maintenance and repair operations with the potential to release pollutants are prohibited at commercial parking lots and storage facilities. WPO Section 67.808(a)(9)(D) -- Rooftops i. Materials which may contaminate stormwater shall not be stored on rooftops unless adequate precautions have been taken to prevent their contact with stormwater. ii. Equipment such as emergency generators, HVAC systems and other similar items located on rooftops shall be inspected and preventive maintenance conducted to prevent leaks and spills. iii. Substances such as bird droppings, grease, leaves, that have accumulated on rooftops shall be removed, as practicable, to prevent or reduce the discharge of contaminants directly or indirectly to the stormwater conveyance system or receiving waters. iv. Where feasible, roof downspouts shall be routed away from work areas and toward pervious areas such as lawns, except where required under section 67.812.
C.1.b Landscaping Activities	WPO Section 67.808(a)(6) -- Liquid waste management N. Where irrigation tail-water return ponds are used, the ponds shall be designed with the appropriate vertical separation between the base of the pond and the seasonal high groundwater mark and must be lined or managed to prevent the movement of water-soluble chemicals to the groundwater and to stormwater flows. WPO Section 67.808(a)(9)(B) -- Landscaping and grounds keeping i. Exposed slopes shall be stabilized as soon as possible. ii. Paved surfaces such as sidewalks shall be cleaned regularly using dry clean-up methods such as sweeping or vacuuming. Hosing is permissible only after surfaces have previously been cleaned using dry methods, and only if precautions have been taken to prevent the discharge of runoff to the storm drain.
C.1.c Pesticide, Herbicide, and Fertilizer Application	WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(B) -- Hazardous Materials and hazardous wastes vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations. vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall. viii. Pesticide use shall be reduced to the MEP in areas where recurring applications of pesticides are performed
C.1.d Pool, Spa, and Fountain Maintenance	WPO Section 67.808(a)(6) -- Liquid waste management I. Discharging backwash wastewater to the stormwater conveyance system or receiving waters is prohibited. Backwash wastewater may be disposed to the sanitary sewer; to a holding tank or settling pond; or where allowed by this chapter, by infiltration to the soil. J. Pool, spa, and fountain water intended for discharge to the stormwater conveyance system shall contain a concentration of zero ppm chlorine or bromine prior to discharge. K. Pool, spa, and fountain water discharged after acid washing shall be neutralized to a pH of 7.2 - 8.0. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.

C.1.f Sidewalks and Paved Areas	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(6) -- Liquid waste management M. Wash and rinse water from building and pavement washing that cannot be properly disposed of at the job site shall be collected and contained for recycling, reuse, or proper disposal. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(9)(B) -- Landscaping and grounds keeping ii. Paved surfaces such as sidewalks shall be cleaned regularly using dry clean-up methods such as sweeping or vacuuming. Hosing is permissible only after surfaces have previously been cleaned using dry methods, and only if precautions have been taken to prevent the discharge of runoff to the storm drain.
C.1.g Break Areas and Public Areas	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(6) -- Liquid waste management M. Wash and rinse water from building and pavement washing that cannot be properly disposed of at the job site shall be collected and contained for recycling, reuse, or proper disposal. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(8) (C) -- Solid, non-hazardous waste vi. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. WPO Section 67.808(a)(9)(B) -- Landscaping and grounds keeping ii. Paved surfaces such as sidewalks shall be cleaned regularly using dry clean-up methods such as sweeping or vacuuming. Hosing is permissible only after surfaces have previously been cleaned using dry methods, and only if precautions have been taken to prevent the discharge of runoff to the storm drain.

C.1.h Pressure Washing	WPO Section 67.808(a)(6) -- Liquid waste management (A) Wet cleanup methods such as hosing, steaming or pressure washing is prohibited except where adequate precautions have been taken to prevent the discharge of wash water or other pollutants into the stormwater conveyance system or receiving waters. Adequate measure may include filtering all pollutants from the water prior to discharge. (B) Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited. (C) Rinse water shall be confined to a designated area such as a sanitary sewer, dead-end sump, process treatment system, or hole where water percolates or evaporates and solids are removed for collection and disposal. Rinse water and solids shall be re-used, recycled, or disposed of in accordance with this chapter. (D) Wash water shall be directed to an approved sanitary sewer or landscaped locations. (E) Wash racks. i. Wash rack areas shall have perimeter control and be properly sloped to a grated floor drain. ii. Wash rack areas shall drain to the sanitary sewer or to a holding tank. (F) Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited. (G)If provided, pump-out services for boats, portable toilets, or other holding tanks shall be conducted in a manner. that prevents the release of sewage to the stormwater conveyance system or receiving waters. (H) Wastewater shall be disposed to the sanitary sewer at the job site or to a holding tank. Disposal of wastewater contained in holding tanks shall be disposed of to the sanitary sewer at the business's company headquarters or at an approved location. (I) Discharging backwash wastewater to the stormwater conveyance system or receiving waters is prohibited. Backwash wastewater may be disposed to the sanitary sewer; to a holding tank or settling pond; or where allowed by this chapter, by infiltration to the soil. (J) Pool, spa, and fountain water intended for discharge to the stormwater conveyance system shall contain a concentration of zero ppm chlorine or bromine prior to discharge. (K) Pool, spa, and fountain water discharged after acid washing shall be neutralized to a pH of 7.2 - 8.0. (L) If rinse water from the cleaning of portable sanitary toilet closets cannot be properly disposed of to the sanitary sewer at a job site, it shall be contained prior to disposal at the service facility or other approved facility.
C.1.i Fire Sprinkler Testing and Maintenance	Applicable General BMP Requirements, as established in WPO Section 67.806(a) – General BMP Requirements, must be implemented.
C.1.j Erodible Surfaces **C.1.k Earth Moving Activities and Areas Under Construction**	WPO Section 67.806(a) – General BMP Requirements (4) Protect, from erosion, those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter.
C.2 ROADS AND STREETS	
C.2.a Road and Street Maintenance	WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste vi. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. WPO Section 67.808(a)(5) -- Housekeeping (A) The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.

C.2.b Road and Street Use	WPO Section 67.808(a)(5) -- Housekeeping (A) The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. WPO Section 67.808(a)(7)(A) -- Spill prevention and response iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.
C.3 STORM DRAIN SYSTEMS	
C.3.a Operation and Maintenance	WPO Section 67.808(a)(5) -- Housekeeping (A) The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter.
C.3.c Illicit Discharges and Connections	WPO Section 67.806(a) – General BMP Requirements (3) Eliminate illicit connections. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. (A) Storm drain inlets located within or down gradient of the activity shall be covered or otherwise protected from the entry of pollutants during hours of operation.

Category D: Specific Operations and Activities	
D.1 Accident and Medical Emergency Response	WPO Section 67.808(a)(5) -- Housekeeping (B) Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.
D.2 Animal Grooming and Washing	WPO Section 67.808(a)(6) -- Liquid waste management C. Rinse water shall be confined to a designated area such as a sanitary sewer, dead-end sump, process treatment system, or hole where water percolates or evaporates and solids are removed for collection and disposal. Rinse water and solids shall be re-used, recycled, or disposed of in accordance with this chapter. D. Wash water shall be directed to an approved sanitary sewer or to approved landscaped locations. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.
D.3 Animal Keeping and Feeding	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.
D.4 Abrasive Blasting	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste vi. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter.

D.5 Casting, Forging, or Forming	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter.
D.6 Chemical Treatment	WPO Section 67.806(a) – General BMP Requirements (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.
D.7 Control Burns	WPO Section 67.806(a) – General BMP Requirements (4) Protect, from erosion, those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter.

D.8 Cutting, Trimming, or Grinding	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(6) -- Liquid waste management B. Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited. M. Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste vi. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter.
D.9 Differential Settling Maintenance	Applicable General BMP Requirements, as established in WPO Section 67.806(a) – General BMP Requirements, must be implemented.
D.10 Dust and Particulate-Generating Activities	WPO Section 67.806(a) – General BMP Requirements (1) Prior to the rainy season, remove or secure any significant accumulations of eroded soils from slopes previously disturbed by landscaping, clearing or grading, if those eroded soils could otherwise enter and impact the stormwater conveyance system or receiving waters during the rainy season. (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous. (3) Eliminate illicit connections. (4) Protect, from erosion, those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter. (5) Store all materials and wastes with the potential to pollute stormwater in a manner that either prevents contact with rainfall and runoff from storm flows or contains contaminated runoff for treatment and disposal. (6) Locate, configure, and manage stockpiles of soil, green waste and compost to prevent the release of materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter.

D.11 Fabrication	WPO Section 67.806(a) – General BMP Requirements (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous. WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste vi. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter.

D.12 Firefighting Field Training and Drills	WPO Section 67.806(a) – General BMP Requirements (4) Protect, from erosion, those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter. (8) Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup Pollutants, unless wet cleanup methods are otherwise allowed in this Chapter. WPO Section 67.808(a)(6) -- Liquid waste management H. Wastewater shall be disposed to the sanitary sewer at the job site or to a holding tank. Disposal of wastewater contained in holding tanks shall be disposed of to the sanitary sewer at the business's company headquarters or at an approved location. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(B) -- Hazardous Materials and hazardous wastes i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations. ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method. iii. Paints, coatings, thinners, and other materials shall be disposed of in accordance with this chapter. iv. Secondary containment of hazardous waste shall be provided around storage areas from which a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters. v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season. vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations. vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall. viii. Pesticide use shall be reduced to the MEP in areas where recurring applications of pesticides are performed. WPO Section 67.808(a)(7)(C) -- Solid, non-hazardous waste i. Trash storage and disposal areas shall be kept clean and free of debris. ii. Dumpsters, grease bins, and other containers shall be maintained in a clean and leak proof condition and shall be kept securely closed when not in use. iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible. iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.

D.13 Fire Access Roads / Fire Breaks Maintenance / Creation	WPO Section 67.806(a) – General BMP Requirements (4) Protect, from erosion, those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter. WPO Section 67.808(a)(9) – Outdoor Areas—housekeeping and grounds keeping practices. (A) Storm drain inlets located within or down gradient of the activity shall be covered or otherwise protected from the entry of pollutants during hours of operation. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(B) -- Hazardous Materials and hazardous wastes i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations. ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method. iii. Paints, coatings, thinners, and other materials shall be disposed of in accordance with this chapter. iv. Secondary containment of hazardous waste shall be provided around storage areas from which a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters. v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season. vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations. vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall. viii. Pesticide use shall be reduced to the MEP in areas where recurring applications of pesticides are performed. WPO Section 67.808(a)(7)(C) -- Solid, non-hazardous waste i. Trash storage and disposal areas shall be kept clean and free of debris. ii. Dumpsters, grease bins, and other containers shall be maintained in a clean and leak proof condition and shall be kept securely closed when not in use. iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible. iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.
D.14 Fire Hydrant, Tank, and Hose Testing and Maintenance	WPO Section 67.808(a)(8) -- Vehicles and equipment. (A) All vehicles and equipment shall be properly maintained and inspected to ensure their proper functioning. (B) Vehicles and equipment shall not be washed in areas where wash water or rinse water will drain to the stormwater conveyance system or receiving waters. (C) Infiltration of wash or rinse water to pervious surfaces is allowed with a minimum of 10 feet separation between the groundwater and the pervious surface, except that wash or rinse water generated from cleaning engines, mechanical parts, or heavy equipment shall not infiltrate a pervious surface.

D.15 Floors, Mats, and Surfaces	WPO Section 67.808(a)(5) -- Housekeeping (B) Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(6) -- Liquid waste management A. Wet cleanup methods such as hosing, steaming or pressure washing is prohibited except where adequate precautions have been taken to prevent the discharge of wash water or other pollutants into the stormwater conveyance system or receiving waters. Adequate measure may include filtering all pollutants from the water prior to discharge. B. Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited. C. Rinse water shall be confined to a designated area such as a sanitary sewer, dead-end sump, process treatment system, or hole where water percolates or evaporates and solids are removed for collection and disposal. Rinse water and solids shall be re-used, recycled, or disposed of in accordance with this chapter. D. Wash water shall be directed to an approved sanitary sewer or landscaped locations. WPO Section 67.808(a)(9)(B) -- Landscaping and grounds keeping ii. Paved surfaces such as sidewalks shall be cleaned regularly using dry clean-up methods such as sweeping or vacuuming. Hosing is permissible only after surfaces have previously been cleaned using dry methods, and only if precautions have been taken to prevent the discharge of runoff to the storm drain.
D.16 Food Preparation	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.
D.17 Gas Extraction	Applicable General BMP Requirements, as established in WPO Section 67.806(a) – General BMP Requirements, must be implemented.
D.18 Leachate Collection System Maintenance	Applicable General BMP Requirements, as established in WPO Section 67.806(a) – General BMP Requirements, must be implemented.
D.19 Methane Recovery System Maintenance and Repair	Applicable General BMP Requirements, as established in WPO Section 67.806(a) – General BMP Requirements, must be implemented.

D.20 Mixing	WPO Section 67.806(a) – General BMP Requirements (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7) (C) -- Solid, non-hazardous waste vi. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter.
D.21 Painting or Coating Activities	WPO Section 67.806(a) – General BMP Requirements (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.
D.22 Pesticide or Other Chemical Product Formulation	WPO Section 67.806(a) – General BMP Requirements (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous. (7) Use all materials with the potential to pollute runoff, such as outdoor cleaning and maintenance products, fertilizers, pesticides and herbicides in accordance with label directions. No such product may be disposed of or rinsed into receiving waters or the stormwater conveyance system. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.

D.23 Ramp and Runway Maintenance	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters.
D.24 Recreational Uses	WPO Section 67.808(a)(6) -- Liquid waste management F. Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited. G. If provided, pump-out services for boats, portable toilets, or other holding tanks shall be conducted in a manner that prevents the release of sewage to the stormwater conveyance system or receiving waters. L. If rinse water from the cleaning of portable sanitary toilet closets cannot be properly disposed of to the sanitary sewer at a job site, it shall be contained prior to disposal at the service facility or other approved facility.
D.25 Sludge Removal and Disposal	WPO Section 67.808(a)(6) -- Liquid waste management B. Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited.
D.26 Special Events	WPO Section 67.806(a) – General BMP Requirements (8) Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup Pollutants, unless wet cleanup methods are otherwise allowed in this Chapter.
D.27 Treatment Pond Maintenance	WPO Section 67.808(a)(6) -- Liquid waste management B. Disposal of slurries to the stormwater conveyance system or receiving waters is prohibited. F. Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited. N. Where irrigation tail-water return ponds are used, the ponds shall be designed with the appropriate vertical separation between the base of the pond and the seasonal high groundwater mark and must be lined or managed to prevent the movement of water-soluble chemicals to the groundwater and to stormwater flows.
D.28 Wastewater Treatment	WPO Section 67.808(a)(6) -- Liquid waste management F. Disposal of wastewater to the stormwater conveyance system, receiving waters, or the ground, is prohibited. I. Discharging backwash wastewater to the stormwater conveyance system or receiving waters is prohibited. Backwash wastewater may be disposed to the sanitary sewer; to a holding tank or settling pond; or where allowed by this chapter, by infiltration to the soil.
D.29 Weed Abatement and Vegetation Clearing	WPO Section 67.806(a) – General BMP Requirements (1) Prior to the rainy season, remove or secure any significant accumulations of eroded soils from slopes previously disturbed by landscaping, clearing or grading, if those eroded soils could otherwise enter and impact the stormwater conveyance system or receiving waters during the rainy season. (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous. (8) Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup Pollutants, unless wet cleanup methods are otherwise allowed in this Chapter.

D.30 Welding	WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters.
D.31 Automobile Painting	WPO Section 67.806(a) – General BMP Requirements (2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous WPO Section 67.808(a)(5) – Housekeeping. A. The property on which the business activity is located shall be inspected for accumulations of debris, litter, waste, organic matter, such as leaves or cut grass or other materials. Such accumulations shall be removed and disposed of in accordance with this chapter. B. Areas where work is being actively conducted shall be cleaned daily using dry clean-up methods such as sweeping, wiping, vacuuming, or raking. Wet clean-up methods such as hosing may only be used if precautions have been taken to prevent the discharge of wash water or other materials to the stormwater conveyance system or receiving waters. WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.
D.32 Methane Recovery System Condensate Collection	WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations.

D.33 Fire Lane Maintenance / Creation	WPO Section 67.808(a)(7)(A) -- Spill prevention and response i. Materials and equipment necessary for spill response shall be maintained and kept readily accessible. ii. All operators, employees, and workers conducting potential discharge activities shall be trained in their proper use. iii. Spills and leaks shall be promptly cleaned up and the generated waste disposed of in accordance with the applicable federal, state and local laws and regulations. WPO Section 67.808(a)(7)(B) -- Hazardous Materials and hazardous wastes i. Hazardous materials and wastes shall be stored, managed, and disposed in accordance with applicable federal, state and local laws and regulations. ii. Hazardous materials and wastes shall be stored above the ground. Where practicable, provide overhead coverage for all outside hazardous materials or waste storage areas. If overhead coverage is not available, stored materials shall be covered with an impervious material such as a tarp or other similar method. iii. Paints, coatings, thinners, and other materials shall be disposed of in accordance with this chapter. iv. Secondary containment of hazardous waste shall be provided around storage areas from which a significant potential exists to discharge materials or wastes to the stormwater conveyance system or receiving waters. v. Hazardous waste storage areas shall be inspected by the owner or operator, at least once prior to the rainy season and monthly during the rainy season. vi. Pesticides and other chemical products shall be used, stored, and disposed of in accordance with applicable federal, state, and local laws and regulations. vii. The outdoor application of fertilizers and pesticides is prohibited during rainfall. viii. Pesticide use shall be reduced to the MEP in areas where recurring applications of pesticides are performed. WPO Section 67.808(a)(7)(C) -- Solid, non-hazardous waste i. Trash storage and disposal areas shall be kept clean and free of debris. ii. Dumpsters, grease bins, and other containers shall be maintained in a clean and leak proof condition and shall be kept securely closed when not in use. iii. Materials and equipment necessary for the clean-up of trash and debris shall be maintained and kept readily accessible. iv. Loose aggregate, mortar, and dust shall be routinely cleaned up using dry cleanup methods such as sweeping or vacuuming. Wet methods may be used only if necessary to adequately clean equipment for reuse, or where water must be used to lubricate and flush a cut, but only if performed in accordance with this chapter. v. All areas where livestock, horses or other large animals are confined shall be bermed or curbed in a manner that avoids a discharge to the stormwater conveyance system or receiving water. If berms or curbs are not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal. WPO Section 67.808(a)(9) – Outdoor Areas—housekeeping and grounds keeping practices. (A) Storm drain inlets located within or down gradient of the activity shall be covered or otherwise protected from the entry of pollutants during hours of operation.
D.34 Process Water Pre-Treatment	Applicable General BMP Requirements, as established in WPO Section 67.806(a) – General BMP Requirements, must be implemented.

Attachment 5.3 – Mobile Source Profiles

Attachment 5.3 – Mobile Source Profiles

1. **Mobile Automobile Repair, Maintenance, Fueling, and Cleaning**
2. **Mobile Equipment Repair, Maintenance, Fueling, and Cleaning**
3. **Mobile Vehicle Body Repair and Painting**
4. **Mobile Automobile or Other Vehicle Washing**
5. **Pest Control Services**
6. **Mobile Carpet, Drape or Furniture Cleaning**
7. **Cement Mixing or Cutting**
8. **Masonry**
9. **Painting and Coating**
10. **Landscaping**
11. **Pool and Fountain Cleaning**
12. **Portable Sanitary Services**
13. **Power Washing Services**

1. Mobile Automobile Repair, Maintenance, Fueling, and Cleaning

Applicable SIC Codes

7538 – General Automotive Repair
7539 – Automotive Repair, Nec
7549 – Automotive Services (wrecking, undercoating, rust proofing, lubrication)

Description

This category includes mobile businesses primarily engaged in the repair of damaged motor vehicles such as repair of engines, transmissions, suspensions, and other mechanical components of motor vehicles at locations other than their own base of operation. Many of the tasks performed for this category are not generally associated with the body or interior work. These businesses may also perform preventive maintenance such as removal and replacement of vehicle fluids including fuel and the cleaning of automotive parts and equipment. This category includes vehicle mechanic companies who provide offsite services and repair.

Table 5.3.1 lists the Pollutant-generating Activities potentially associated with mobile automobile repair, maintenance, fueling and cleaning, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.1 – Pollutant-Generating Activities and Associated Pollutants of Concern for Mobile Automobile Repair, Maintenance, Fueling and Cleaning

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste				⊙		⊙	⊙	
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
	A.3.h	Recyclables / Reusables			⊙	⊙	⊙			
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
◆	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
◆	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.2.c	Floors, Mats, and Surfaces	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
◆	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.3	Automobile Painting			⊙	⊙			⊙	
	C.11	Fabrication				⊙		⊙	⊙	
	C.21	Mixing								
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2.i	Erodible Surfaces & Areas Under Construction	⊙		⊙			⊙		

2. Mobile Equipment Repair, Maintenance, Fueling, and Cleaning

Applicable SIC Codes

7519 – Utility Trailer Rentals
7353 – Heavy Construction Equipment Rentals
7359 – Equipment Rental
7623 – Refrigeration Services and Repair (Refrigerator, HVAC, etc.)
7692 – Welding Repair
7699 – Equipment Repair

Description

This category includes mobile businesses primarily engaged in the repair and maintenance of equipment, body parts and interior finishing; repaint body surfaces; and repair and/or replace of automotive glass at locations other than their own base of operation. This category also includes metal repair of defective automobile body parts. This category includes equipment rental and repair mechanics that perform work other than at their business location.

Table 5.3.2 lists the Pollutant-generating Activities potentially associated with mobile equipment repair, maintenance, fueling and cleaning, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.2 – Pollutant-Generating Activities and Associated Pollutants of Concern for Mobile Equipment Repair, Maintenance, Fueling and Cleaning

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙		
	A.2	**VEHICLE AND EQUIPMENT STORAGE**								
	A.2.b	Outdoor Equipment & Parts Storage				⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste				⊙		⊙	⊙	
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
◆	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
◆	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
	C.32	Welding				⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

3. Mobile Vehicle Body Repair and Painting

Applicable SIC Codes

7532 – Top & body repair & paint shops
7536 – Automotive Glass Replacement Shops
7549 – Automotive Services (wrecking, undercoating, rust proofing, lubrication)

Description

This category includes mobile businesses engaged in the repair of automotive tops, bodies, and interiors, or automotive painting and refinishing at locations other than their own base of operation. Operations associated with this category generally include exterior, interior and frame repair of vehicles, which may include windshield removal/replacement, metal parts fabrication, and removing and replacing fluids to gain access to areas requiring repair. This category includes all vehicle body repair and painting contractors that perform work at sites other than at their own business location.

Table 5.3.3 lists the Pollutant-generating Activities potentially associated with vehicle body repair and painting, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.3 – Pollutant-Generating Activities and Associated Pollutants of Concern for Vehicle Body Repair and Painting

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙	⊙	
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste				⊙		⊙		
◆	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.a	Vehicle & Equipment Repair			⊙	⊙		⊙	⊙	
	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
◆	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.10	Dust & Particulate Generating Activities	⊙			⊙				
◆	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.1	**PARKING, ROOFTOPS, AND STORAGE AREAS**	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

4. Mobile Vehicle Washing

Applicable SIC Codes
7542 – Car Washing

Description

This category includes mobile businesses engaged in providing service for vehicle washing and detailing services at locations other than their own base of operation. Detailing is the practice of performing an extremely thorough cleaning, polishing and waxing (etc.) of a vehicle. Elements of exterior detailing include claying, polishing, and waxing. Interior detailing involves the cleaning of the interior of a vehicle using vacuums, liquid cleaners, and brushes. Engine detailing involves cleaning of the engine bay area to remove dirt and grease with the use of pressure washers, degreasers and all-purpose cleaners. This category includes any cleaning business that performs work on vehicles at sites other than at their own business location.

Table 5.3.4 lists the Pollutant-generating Activities potentially associated with Mobile Vehicle Washing, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.4 – Pollutant-Generating Activities and Associated Pollutants of Concern for Mobile Vehicle Washing

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste				⊙		⊙	⊙	
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.10	Dust & Particulate Generating Activities	⊙			⊙				
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

5. Pest Control Services

Applicable SIC Codes
7342 – Disinfecting & pest control services.

Description

This category includes mobile businesses primarily engaged in providing properly trained pest management services to resolve pest problems, these professionals offer services such as identification, and inspection of pest infestations, find the nature and extent of the problem, and use the best methods to control pests. These operations are primarily mobile in nature and rarely take place at a base of operation. These businesses also perform services for treatment, application, and mixing of pesticides (herbicides, fungicides, or insecticides) using sprays, dusts, vapors, baits, or soil incorporation on trees, shrubs, lawns, botanical crops, or structures. These businesses fall into two groups:

a. **Structural:** Pest control services are provided to the industrial commercial, business section and households, and

b. **Agricultural:** Pest control services are provided or offered to agricultural sites.

Table 5.3.5 lists the Pollutant-generating Activities potentially associated with Pest Control Services, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.5 – Pollutant-generating Activities and Associated Pollutants of Concern for Pest Control Services

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.a	Hazardous Waste							⊙	⊙
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.6	Chemical Treatment							⊙	⊙
	C.21	Mixing							⊙	⊙
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

6. Mobile Carpet, Drape or Furniture Cleaning

Applicable SIC Codes
7217 – Carpet and upholstery cleaning

Description

This category includes mobile businesses primarily engaged in a full range of cleaning services for all fabrics such as carpet, drape, furniture, rugs and upholstery cleaning. Operations usually include steam cleaning or pressure cleaning of fabric materials damaged by floods, pet stains, odors, dirt, food, etc. This category includes any cleaning business that performs work on carpets or upholstery at sites other than at their own business location.

Table 5.3.6 lists the Pollutant-generating Activities potentially associated with Pest Control Services, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.6 – Pollutant-generating Activities and Associated Pollutants of Concern for Mobile Carpet, Drape or Furniture Cleaning

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste							⊙	
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.c	Floors, Mats, and Surfaces	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.6	Chemical Treatment							⊙	
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

7. Cement Mixing or Cutting

Applicable SIC Codes
3241 – Cement, hydraulic

Description

This category includes mobile businesses primarily engaged in the mixing of concrete or other type material as well as the cutting of concrete, masonry or other type materials (bricks, etc.). Mixing operations primarily consist of the addition of water or another liquid to a building material to produce a structural component such as concrete or mortar. Cutting operations primarily consist of adding water or other type liquid to lubricate a cutting tool as it slices through building materials.

Table 5.3.7 lists the Pollutant-generating Activities potentially associated with Cement Mixing or Cutting, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.7 – Pollutant-generating Activities and Associated Pollutants of Concern for Cement Mixing or Cutting

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
	A.3.h	Recyclables / Reusables			⊙	⊙	⊙			
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.6	Chemical Treatment							⊙	
◆	C.8	Cutting, Trimming, Or Grinding.				⊙				
◆	C.10	Dust & Particulate-Generating Activities	⊙	⊙		⊙				
	C.11	Fabrication				⊙		⊙	⊙	
◆	C.21	Mixing								

8. Masonry

Applicable SIC Codes
1741 – Masonry and other stone work

Description

This category includes mobile businesses primarily engaged in stone, brick and tile work. Operations generally consist of mixing mortar and concrete as well as cutting tile, stone and bricks. This category includes all masonry work performed at sites other than at their own business location

Table 5.3.8 lists the Pollutant-generating Activities potentially associated with Masonry activities, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.8 – Pollutant-generating Activities and Associated Pollutants of Concern for Masonry

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste								
	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.4	Blasting	⊙			⊙				
	C.5	Casting, Forging, Or Forming				⊙			⊙	
	C.6	Chemical Treatment							⊙	
	C.8	Cutting, Trimming, Or Grinding.				⊙				
	C.10	Dust & Particulate-Generating Activities	⊙	⊙		⊙				
	C.11	Fabrication				⊙		⊙	⊙	
	C.21	Mixing								
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

9. Painting and Coating Activities

Applicable SIC Codes
1721 – Painting and Paper Hanging 3479 – Coating, Engraving, and Allied Services, Not Elsewhere Classified

Description

This category includes mobile businesses primarily engaged in applying paints, coatings, stains, varnishes, lacquers, enamels, shellacs, and water repellant coatings at locations other than other than their own base of operation. Operations generally include the application of paint or coating by brush, roller, or pneumatic applicator. This category includes all painters and coaters who perform work in sites other than at their own business location

Table 5.3.9 lists the Pollutant-generating Activities potentially associated with Painting and Coating Activities, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.9 – Pollutant-generating Activities and Associated Pollutants of Concern for Painting and Coating Activities

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste							⊙	
	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
◆	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.4	Blasting	⊙			⊙				
	C.5	Casting, Forging, or Forming				⊙			⊙	
	C.6	Chemical Treatment							⊙	⊙
	C.3	Automobile Painting			⊙	⊙			⊙	
	C.10	Dust & Particulate-Generating Activities	⊙		⊙					
	C.21	Mixing								
	C.22	Painting or Coating Activities			⊙	⊙			⊙	
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

10. Landscaping

Applicable SIC Codes

0782 - Law and Garden Services
0783-Ornamental Shrub and Tree Services

Description

This category includes mobile businesses primarily engaged in maintaining grounds or landscape of a property using hand or power tools or equipment. Operations may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, and sprinkler installation.

Table 5.3.10 lists the Pollutant-generating Activities potentially associated with Landscaping, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.10 – Pollutant-generating Activities and Associated Pollutants of Concern for Landscaping

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste							⊙	⊙
◆	A.3.b	Solid Waste	⊙		⊙					
	A.3.e	Liquid Waste	⊙	⊙			⊙			
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.b	Changing Vehicle Fluids				⊙		⊙	⊙	
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.10	Dust & Particulate Generating Activities	⊙			⊙				
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

11. Pool and Fountain Cleaning

Applicable SIC Codes
7389 – Swimming Pool Services

Description

This category includes mobile businesses primarily engaged in washing or cleaning pools, fountains and other water features, like spas and ponds, for their sanitation. Operations generally include adding chemicals, checking Ph, removing debris and trash and adding and emptying water. These operations primarily occur offsite away from the businesses base of operation.

Table 5.3.11 lists the Pollutant-generating Activities potentially associated with Pool and Fountain Cleaning, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.11 – Pollutant-generating Activities and Associated Pollutants of Concern for Pool and Fountain Cleaning

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste		⊙					⊙	
	A.3.b	Solid Waste			⊙					
	A.3.e	Liquid Waste		⊙						
Category B: General Operations and Activities										
	B.1	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
	B.1.c	Parts Replacement and Repairs			⊙	⊙		⊙	⊙	
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
	B.3	**VEHICLE AND EQUIPMENT FUELING**				⊙		⊙	⊙	
Category C: Specific Operations and Activities										
	C.6	Chemical Treatment							⊙	
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

12. Portable Sanitary Services

Applicable SIC Codes
4959 – Sanitary Services

Description

This category includes mobile businesses primarily engaged in the rental, maintenance and cleaning of portable toilets and disposal of sanitary wastes. These businesses provide services for the industrial and event sectors and supply portable sanitation services from the small events to largest construction projects. Operations for these contractors occur both at their base of operations and offsite, for the purposes of the mobile business category, the County is primarily concerned about the activities that occur offsite.

Table 5.3.12 lists the Pollutant-generating Activities potentially associated with Portable Sanitary Services, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.12 – Pollutant-generating Activities and Associated Pollutants of Concern for Portable Sanitary Services

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.1.b	Storage of Materials	⊙		⊙			⊙		
	A.1.c	Outdoor Liquid Container Storage				⊙		⊙	⊙	
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste		⊙			⊙			
◆	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
◆	A.3.f	Sanitary Waste		⊙	⊙		⊙			
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.28	Special Events	⊙	⊙	⊙		⊙	⊙		
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

13. Power Washing Services

Applicable SIC Codes
1799 – Special Trade Contractors

Description

This category includes mobile businesses primarily engaged in using pneumatic devices to pressurize water to clean surfaces. Operations usually generate wastewater and other trash and debris that could significantly impact the MS4 and receiving waters. Power washing can be performed on buildings, pavement, impervious surfaces and includes any surface washing.

Table 5.3.13 lists the Pollutant-generating Activities potentially associated with Power Washing Services, and indicates the Pollutants-of-Concern (POCs) typically associated with them. Specific PGAs and POCs will vary depending on actual operations and practices, and may therefore differ from those presented. Black diamonds indicate that the corresponding PGA is considered a priority.

Table 5.3.13 – Pollutant-generating Activities and Associated Pollutants of Concern for Power Washing Services

Priority PGA (◆)	PGA Reference Number	Pollutant-generating Activity (PGA)	Potential Pollutants-of-Concern (POCs)							
			Sediment	Nutrients	Trash	Metals	Bacteria	Oil & Grease	Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes										
	A.1	**MATERIALS MANAGEMENT**								
	A.1.a	Materials Loading & Unloading	⊙		⊙	⊙		⊙		
	A.3	**WASTE HANDLING, STORAGE, AND DISPOSAL**								
◆	A.3.a	Hazardous Waste				⊙		⊙	⊙	
	A.3.b	Solid Waste	⊙		⊙					
◆	A.3.e	Liquid Waste	⊙	⊙						
Category B: General Operations and Activities										
	B.2	**WASHING AND CLEANING ACTIVITIES**								
	B.2.a	Vehicle Washing	⊙		⊙	⊙		⊙	⊙	
	B.2.b	Equipment Cleaning	⊙		⊙	⊙		⊙	⊙	
Category C: Specific Operations and Activities										
◆	C.10	Dust & Particulate Generating Activities	⊙			⊙				
Category D: Outdoor Areas and Activities										
	D.2	**BUILDING and GROUNDS MAINTENANCE**								
◆	D.2.d	Sidewalks & Paved Areas	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
◆	D.2.f	Pressure Washing	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4	**STORM DRAIN SYSTEMS**								
	D.4.a	Operation & Maintenance	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	D.4.b	Illicit Discharges & Connections	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

Attachment 5.4 – Descriptions of Municipal Pollutant Generating Activities

PGA Reference	Attachment 5.4. Pollutant Generating Activities for Municipal Sources
	Category A: Management of Materials and Wastes
A.1	**MATERIALS MANAGEMENT AND STORAGE**
A.1.a	Materials Loading and Unloading. Outdoor loading and unloading activities that occur in areas not confined within a facility. These activities could include any assortment of materials and pollutants. Loading and unloading activities generally include the use of large equipment such as loaders, forklifts, dump trucks, or cranes.
A.1.b	Storage of Materials. The storage of dry materials outdoors may contribute pollutants to runoff if not covered and/or raised to prevent contact with water. Materials generally associated with outside storage are stockpiles of raw materials such as dirt, aggregate, mulch, compost, as well as finished products, by-products, containers, and cast off parts and pieces. Resulting runoff can become contaminated when materials/pollutants wash off and dissolve or become suspended in water runoff, or are indirectly added to runoff by spills and leaks.
A.1.c	Liquid Container Storage. Accidental releases of liquid materials from above ground storage tanks, drums, dumpsters, and other containers may contaminate water runoff when not properly managed. Potential pollutants include petroleum products (gas, diesel, etc.), oils, greases, lubricants, solvents, wastewater, or any liquid substance that is not clean water. Improperly stored items may contribute to accidental spills. Materials spilled, leaked, or lost from liquid storage containers may accumulate in soils or on other surfaces and can be carried away with runoff.
A.2	**WASTE HANDLING AND STORAGE**
A.2.a	Hazardous Waste. Improper management and disposal of hazardous wastes can result in the discharge of a variety of toxic compounds. Used or discarded solvents, petroleum products, oils, grease, heavy metals, paint by-products, nutrients, and acidic or alkaline materials are generally associated with hazardous waste storage and handling. Universal wastes such as batteries, fluorescent tubes, gas containers, and some electronic devices are also considered hazardous. Pollutants typically associated with universal wastes are mercury, lead, cadmium, copper, etc. Hazardous and universal wastes must be disposed at a certified collection facility or by a certified collection company and may not be discarded into solid waste landfills.
A.2.b	Solid Waste. Solid waste storage containers may allow pollutants to be discharged (spilled or leaked) when improperly managed. Trash and debris that are not kept in a closed trash bin can get blown away by wind. Overfilled trash bins and litter can also end up in stormwater runoff and storm drains. Trash containers that are not properly cleaned and maintained can also build up bacteria and other pollutants that will runoff if contacted by water. Trash that contains liquid substances should be emptied prior to placement in solid waste receptacles to avoid leaks and spills.
A.2.c	Food Grease and Oil. Residual fats, oil, and grease are byproducts that are typically associated with food service. When water is used to wash surfaces (floors, mats, walls, sidewalks, etc.) that these byproducts come into contact with, wash water could be improperly discharged to the storm drain. Areas where washing occurs that drain to the sanitary sewer may not be equipped or designed to handle the amount of wash water produced by this activity and may result in overflows to the storm drain.
A.2.d	Pet Waste / Manure. Waste from animal facilities (stables, kennels, etc.) and manure storage areas which are not contained or covered could wash into storm drains and/or waterways. Surface waters affected by animal waste generally suffer from algal growth and reduced oxygen caused by the release of nutrients in water; endangering aquatic life. Bacteria and viruses are also carried in animal waste/manure which could infect and endanger animal life.
A.2.e	Liquid Waste. Outdoor storage of liquids can potentially be spilled, poured, or dumped and can flow to storm drains or nearby waterways. Liquids stored outside should be contained and covered to prevent contact with stormwater and runoff. Liquids such as oil and grease are of particular concern because they can dissolve or float on the surface of the water and are generally toxic to aquatic life. Liquid hazardous materials should have secondary containment to prevent accidental release.

PGA Reference	Attachment 5.4. Pollutant Generating Activities for Municipal Sources
A.2.f	Sanitary Wastes. Sanitary wastes may be discharged to storm drains and waterways from sanitary sewers, septic systems, and portable sanitary toilets. Discharges from septic systems are often the result of failed leach fields or broken lines. During heavy rains or snowmelt, the system may back up into the house, resulting in the removal of the clean-out plug, allowing sewage to runoff into waterways. Sewer overflows often occur during wet weather, when rainwater overwhelms the system, forcing raw sewage out the sanitary sewer and into runoff and waterways. Maintenance, cleaning, and repair of these systems may also result in a release if not properly contained. Untreated sewage carries infectious bacteria, viruses, parasites and toxic chemicals. Improper management of septic systems and portable sanitary toilets may result in excessive flows, build up of sludge and scum, and inputs of toxic compounds that can enter storm drains and waterways.
A.2.g	Green Waste. Green waste includes landscape and garden waste such as grass, weeds, vegetation, flower cuttings, leaf litter, tree pruning, and hedge trimmings. Green waste often enters storm drains and waterways and decomposes. This decomposition, along with fertilizer residues, increases the amount of nutrients in the water which leads to a decrease in the available oxygen for aquatic life. Green waste can also clog the storm drain system, creating flooding problems and harborage of bacteria. Pesticide and fertilizer residues may also be carried to waterways with the green waste, often reducing reproduction or killing aquatic life. Green waste is biodegradable and should be disposed separately from other wastes and/or composted.
A.2.h	Recyclables / Reusables. Recycling and reusing materials is important to reduce the amount of wastes going to landfills. Recyclable wastes have the potential to be reused or converted into raw materials for the production of new products. Recyclable products typically include the following components: glass, paper, aluminum, asphalt, iron, textiles, and plastics, as well as hazardous materials such as antifreeze and oil. Recycling and reusing items also reduces the possibility of the discarded item entering waterways.
	Category B: Vehicle and Equipment Activities
B.1	**VEHICLE AND EQUIPMENT STORAGE**
B.1.a	Outdoor Vehicle Storage. Most vehicles typically have components that contain metals, chemicals, and fluids. Dirty vehicles or poorly maintained vehicles may have accumulated sediment, debris or other material that could wash away during a storm event or as runoff. Vehicles that are in disrepair or are missing parts such as a hood, have a high likelihood of leaking fluids and contributing to polluted runoff. Common pollutants associated with stored vehicles include oil and grease, petroleum hydrocarbons, heavy metals, nutrients, sediment, and particulates from surface coatings.
B.1.b	Outdoor Equipment and Parts Storage. Equipment storage may encompass a wide array of tools, vehicles and work equipment. Many of these items have working parts that could contain metals, chemicals, fluids, and may be impacted with sediment or debris.
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**
B.2.a	Vehicle and Equipment Repair. Vehicle or equipment maintenance and repair are potentially significant sources of polluted runoff, due to use of harmful materials and wastes generated during maintenance and repair processes. Vehicle/equipment repair and service (e.g., parts cleaning, changing/charging vehicle batteries, repairing or replacing mufflers and catalytic converters, and repairing vehicle air conditioners) can impact water quality if runoff becomes polluted by the associated contaminants (metals, hydrocarbons, solvents, gasoline, etc).
B.2.b	Changing Vehicle Fluids. Examples of fluids that must be periodically changed are motor oil, transmission fluid, brake fluid, and antifreeze. Changing vehicle fluids also includes temporary storage of both new and waste fluids, and management or disposal of the waste fluids. Spills and leaks that occur during changing fluids can contribute hydrocarbons, oil, grease, and heavy metals to stormwater runoff.

PGA Reference	Attachment 5.4. Pollutant Generating Activities for Municipal Sources
B.2.c	Vehicle and Equipment Fueling. These activities include transferring fuel into mobile vehicles or equipment, and any kind of fuel dispensing activities at permanent or temporary stations. Spills and leaks that occur during fueling can contribute hydrocarbons, oil, grease, and heavy metals to stormwater runoff.
B.2.d	Vehicle Washing. Wash water from vehicle washing activities performed outdoors or in areas where wash water flows onto pavement and into storm drains can contribute detergents / phosphates, oils, greases, heavy metals, and suspended solids creating polluted runoff.
B.2.e	Equipment Cleaning. Includes activities related to rinsing, and removal of residues from engines, tools, and equipment typically using detergent chemicals. Wash water from cleaning activities performed outdoors or in areas where wash water flows onto the pavement and into storm drains can contribute hydrocarbons and other organic compounds, oils, greases, nutrients, phosphates, heavy metals, and suspended solids to runoff.
	Category C: Outdoor Area Maintenance
C.1	**BUILDING AND GROUNDS MAINTENANCE**
C.1.a	Parking Areas. The use and maintenance of parking lots and driveways has the potential to introduce pollutants into the storm drain system. Automotive fluids, litter, sediment, suspended solids, hydrocarbons, oil, grease, heavy metals, and food waste are some of the potential pollutants that may be discharged from the daily use of parking lots and driveways.
C.1.b	Landscaping Activities. Gardening activities such as removing vegetation, exposing soils to erosion, stockpiling erosive materials, applying fertilizers and pesticides, disposing of vegetation or other landscaping debris can severely impact waterways if sufficient precautions are not taken to prevent the discharge of contaminants. Contaminants typically include total suspended solids, nutrients, heavy metals, bacteria, pesticides, and vegetative debris. Improper sprinkler maintenance can also result in over-watering, causing erosion.
C.1.c	Pesticide, Herbicide, and Fertilizer Application. Over-application and misuse of pesticides, herbicides, and fertilizers result in polluted runoff. Different types of pesticides and herbicides include applications such as dusts, sprays, granular formulations, fumigants, antimicrobial paints and other surface coatings.
C.1.d	Pool, Spa, and Fountain Maintenance. Maintenance of pool, spa, and fountains typically include acid washing, filter backwashing, partial draining to dilute the stabilizer concentration or to provide space while acid washing, complete draining, recharging, and treating water for recreation or ornamental purposes. Chlorine or chloramine is commonly used as a disinfectant in swimming pool water. This water, if discharged to the storm drain system, can be toxic to aquatic life. Pollutants found in lakes, lagoons, and fountains, include chemical algaecides that are added to control algae mainly for aesthetic reasons (visual and odor). Improper discharges of water can also cause erosion of slopes and sedimentation to storm drains and waterways.
C.1.e	Rooftop and Downspout Maintenance. Building rooftops and downspouts can generate a substantial amount of concentrated runoff from buildings. Stormwater runoff from buildings collects pollutants as water flows across rooftops. These pollutants may include oil, grease, sediment and debris from equipment located or stored on the roof.
C.1.f	Sidewalks. Sidewalks and other paved impervious surfaces can collect and transport pollutants such as dirt, leaves, clippings, trash, and other associated contaminants into storm drains or waterways.
C.1.g	Break Areas and Public Areas. Break areas, patios, and other paved public areas present opportunities for a variety of contaminants (e.g., leaves, clippings, dirt, trash) to accumulate on impervious surfaces and to runoff into storm drains or waterways.
C.1.h	Pressure Washing. Pressurized water typically ejected from a hand-held wand or nozzle is used to clean a wide variety of surfaces and objects. The wastewater from washing sidewalks and parking structures contains all the contaminants being removed from the surface, as well as the toxic cleaning agents. Depending on the application, pressure washing may be conducted with added cleaners.

PGA Reference	Attachment 5.4. Pollutant Generating Activities for Municipal Sources
C.1.i	Fire Sprinkler Testing and Maintenance. Most commercial, industrial, and municipal buildings as well as newer residential developments have fire sprinkler systems. Fire sprinklers within buildings are usually tested once per year. Testing associated with building maintenance includes parts repair, replacement, and flushing of the water lines, in which the water is not typically contained. Test water is known to contain metals (in the form of rust), bacteria, and algae.
C.1.j	Erodible Surfaces. Some properties may contain areas that are denuded of vegetation or that contain slopes or surfaces subject to soil erosion. Pollutants typically associated with exposed surfaces include sediment, nutrients, and bacteria.
C.1.k	Earth Moving Activities and Areas Under Construction. Areas denuded of vegetation or that have recently been disturbed are subject to soil erosion, sediment transport, and sedimentation. Pollutants typically associated with construction sites and exposed surfaces include sediment, nutrients, and bacteria.
C.2	**ROADS AND STREETS**
C.2.a	Road and Street Maintenance. Streets, roads, and highways are significant sources of pollutants in stormwater runoff and should be swept or cleaned regularly to remove pollutants prior to storm events. Operation and maintenance practices of these roads and highways can also contribute to the problem if not conducted properly. Polluted runoff from roadway and bridge maintenance should be addressed on a site-specific basis. Common pollutants from road maintenance include sediment, hydrocarbons, and metals.
C.2.b	Road and Street Use. Streets, roads, and highways are significant sources of pollutants in stormwater runoff because their daily operation can result in spills, dumping, and accumulation of pollutants from vehicle and pedestrian use. Common pollutants from road use include sediment, hydrocarbons, metals, and trash.
C.3	**STORM DRAIN SYSTEMS**
C.3.a	Storm Drain Operation and Maintenance. As a consequence of its function, the storm drain system collects and transports stormwater and urban runoff that may contain pollutants. In the absence of routine inspection, cleaning, and maintenance, accumulated pollutants can cause flooding problems and can be discharged to waterways. Routine inspection and maintenance of storm drain system structures is necessary to ensure that they are functioning properly.
C.3.b	Treatment Control BMP Maintenance. Treatment control BMPs such as storm drain inserts, infiltration trenches, infiltration basins, and hydrodynamic separators must be regularly maintained in order to prevent the release of pollutants trapped within the device and to ensure the BMP continues to treat stormwater as designed.
C.3.c	Illicit Discharges and Connections. Illicit connections (indoor or outdoor) to the MS4, and illegal dumping in the streets and in the storm drain system, are among the largest contributors to water pollution. The exposed open flood control channels and tunnels are often easy targets for illegal dumping and trash disposal. Illegal discharges or connections should be reported and removed as soon as possible.
	Category D: Specific Operations and Activities
D.1	Accident and Medical Emergency Response. Emergency medical technicians respond to vehicle accidents and emergency situations that occur on roadways at businesses and at homes. Discharges of biohazardous materials and debris may occur.
D.2	Animal Grooming and Washing. Grooming and washing of pets or large animals can result in discharges of cleaning and pest control products, medications, fur, and sediment.
D.3	Animal Keeping and Feeding. Animal facilities typically increase the density of horses or livestock per acre, leading to high volumes of manure production and increased traffic on existing vegetated areas. Often compacted, bare soil is preferable for exercise rings and corrals. In addition, older facilities may be designed around or next to a waterway. These factors can increase the chances of manure, bedding, and other related wastes contaminating runoff as it leaves the site.

PGA Reference	**Attachment 5.4. Pollutant Generating Activities for Municipal Sources**
D.4	Abrasive Blasting. Abrasive blasting is a method of propelling an abrasive material against a surface under high pressure to smooth a rough surface, roughen a smooth surface, shape a surface, or remove surface contaminants. Abrasive material is propelled using a compressed gas (usually air) or pressurized liquid (typically water). Abrasive blasting can introduce sediment, debris, paint, metals, wastewater and other pollutants into runoff.
D.5	Casting, Forging, or Forming. Casting, forging and forming usually includes some type of convective process to heat materials at a certain temperature, so that they may be shaped or molded to form a product. Metals and organic chemicals are common pollutants associated with the activity.
D.6	Chemical Treatment. This involves the application of chemicals to treat materials, which may alter or protect these materials for future use. Common chemical treatments are coating, plating, printing, inking and process treatment activities.
D.7	Control Burns. Control burns are performed generally during the Spring & Summer months, prior to the fire season. These burns are performed to clear dead undergrowth and to create defensible space. Burn areas adjacent to waterways, ESAs, & conveyance systems should be buffered to reduce debris and contamination.
D.8	Cutting, Trimming, or Grinding. These activities involve a reduction in unit size by removing a portion of the raw material used in the industrial process. This usually results in the generation of some type of waste product (typically metal, wood, or plastic) that must be removed post processing. (Does not include landscaping activities.)
D.9	Differential Settling Maintenance. Differential settling takes place in closed landfills due to materials settling at different rates. Soil is necessary for proper maintenance and is used to fill settled areas. Sediment is a potential pollutant.
D.10	Dust and Particulate-Generating Activities. Significant particulates originating from human activities such as soil disturbance, grading, excavating, burning, spraying, and other related construction and maintenance activities.
D.11	Fabrication. Fabrication encompasses the assemblage of many intermediate or final products. Although metal is the primary medium, others can be used, such as plastics, foam, and concrete cement. This process usually incorporates a variety of activities including cutting, welding, grinding, shaping, trimming, sanding, painting, and coating.
D.12	Firefighting Field Training and Drills. Training and drills are conducted at both fixed facilities and in open space environments. Activities involve the use of fire fighting equipment, hoses, water, fire retardants, and fire suppressing foam. Activities may create potential discharges of burn debris, chemicals, sediment, and litter.
D.13	Fire Access Roads / Fire Break Creation and Maintenance. Fire access roads and fire breaks are located throughout the County, in both developed and undeveloped areas. Activities include clearing and grading of dirt 'roads' to create a fire break or provide access to fire fighting equipment.
D.14	Fire Hydrant, Tank, and Hose Testing and Maintenance. Fire hydrants, tanks, and hoses are tested and maintained by Firefighters to ensure proper operation. The hydrant structure receives routine maintenance aside from flushing, and may also require repairs due to deferred maintenance, vandalism, or vehicle accidents. This may include demolition, replacement, repairs, and painting. Discharge quantities of hydrant flushing vary but are generally in hundreds of gallons, at a high velocity. Hoses and pipes are tested both in the field and at a station, and involve the flushing of water through the system to ensure proper operation. Runoff from these activities is not typically contained.
D.15	Floors, Mats, and Surface Cleaning. Wash water from cleaning surfaces often contains pollutants associated with the objects or surfaces being cleaned as well as the cleaning compounds used. Surface cleaning activities that allow wash water to discharge to storm drains are not disposed of properly and pollute waterways. Cleaners labeled "biodegradable" and "nontoxic" may often be harmful to aquatic life, especially after cleaning surfaces that contain fats, oils, grease, metals, or other chemicals (such as herbicides, insecticides, pesticides, solvents, antifreeze, and fertilizers). Floors and mats capture droppings (food particles, oils and grease, etc.) and other pollutants such as bacteria and dirt.

PGA Reference	Attachment 5.4. Pollutant Generating Activities for Municipal Sources
D.16	Food Preparation. Residual fats, oil, and grease are byproducts that are typically associated with food preparation. Pollutants from food waste and toxic chemicals in cleaning products and disinfectants can harm aquatic life and human health.
D.17	Gas Extraction, Well Installation and Destruction. Well installation and destruction for gas extraction systems requires surface disturbance and could produce trash/debris. Extracted soils, trash and debris should be disposed of properly.
D.18	Leachate Collection System Maintenance. New landfills are designed with a liner intended to prevent groundwater contamination. The leachate must be monitored and the system must be maintained to prevent groundwater contamination and contaminated runoff.
D.19	Methane Recovery System Maintenance and Repair. Decomposing waste and debris in a landfill generates methane gas. To recover the methane gas some landfills have methane extraction/collection systems in place. Portions of these systems are buried. Routine maintenance and repairs to the system require soil disturbance. Condensate from methane recovery systems can contribute metals or other substances to runoff.
D.20	Mixing. Mixing activities involve the addition two or more substances and incorporate some type of device to contain and stir the products being mixed. Mixing usually generates particulates or byproducts that can enter storm drains and waterways if not properly contained or cleaned.
D.21	Painting or Coating Activities. Painting and coating processes usually involve spraying, rolling or dipping, in which an epoxy or coating is applied to a surface. Painting and coating activities usually generate particulates or byproducts that can enter storm drains and waterways if not properly contained or cleaned.
D.22	Pesticide or Other Chemical Product Formulation. Product formulation may include many steps, factors and substances. Product formulation is the process in which a product is developed from other chemicals or raw materials to form an end product. The formulation could include, but is not limited to injecting, heating, cooling, and/or inserting chemicals and raw materials.
D.23	Ramp and Runway Maintenance. Airport ramps and runways must be kept free of the smallest amount of debris to prevent landing accidents. Ramp and runway repair are performed on occasion. Pollutants associated with runway maintenance are metals, hydrocarbons, and sediment.
D.24	Recreational Uses. Parks, closed landfills, and other properties may be used for recreation by the public.
D.25	Sludge Removal and Disposal. Solids are removed during the treatment process through screening and from digesters.
D.26	Special Events. Pollutants such as trash and litter may be generated by the general public through event participation. Parks, roads, airports, and business parking-lots are common areas used for events.
D.27	Treatment Pond Maintenance. Wastewater treatment ponds are used to treat municipal sanitary wastes.
D.28	Wastewater Treatment. Wastewater is received by way of pump station and pumped into the treatment facilities to be treated. Chemicals and air are introduced through a variety of mechanisms to treat wastewater.
D.29	Weed Abatement and Vegetation Clearing. Weed abatement is performed prior to the fire season and includes the clearing of open space areas and river beds from weeds and invasive species. Examples would include arrundo, tamarisk, and pampas grass removal.
D.30	Welding. Welding is the process of binding metals together using a conductive method to heat the metals. Metal bi-products usually result from this application.

Facility/Property:
Date:

Your facility's self-inspection frequency is based on the site's Threat to Water Quality (TTWQ). To determine your facility's TTWQ, please fill out the checklist below for the number of activities that occur on-site that can generate pollutants. Then answer the following 19 questions to determine your TTWQ score and self-inspection frequency.

Table 1-1: Pollutant Generating Activities (PGA) Checklist

Which of these Pollutant Generating Activities are conducted at your facility/property?		
Load and unload materials?	☐Yes	☐No
Store materials outdoors?	☐Yes	☐No
Store liquid containers outdoors?	☐Yes	☐No
Store vehicles outdoors?	☐Yes	☐No
Store equipment and parts outdoors?	☐Yes	☐No
Handle, store, and/or dispose of hazardous waste?	☐Yes	☐No
Handle, store, and/or dispose of solid waste?	☐Yes	☐No
Handle, store, and/or dispose of food grease and oil?	☐Yes	☐No
Handle, store, and/or dispose of pet waste/manure?	☐Yes	☐No
Handle, store, and/or dispose of liquid waste?	☐Yes	☐No
Handle, store, and/or dispose of sanitary waste?	☐Yes	☐No
Handle, store, and/or dispose of green waste?	☐Yes	☐No
Handle, store, and/or dispose of recyclables/reusables ?	☐Yes	☐No
Conduct vehicle and equipment repair?	☐Yes	☐No
Change vehicle fluids?	☐Yes	☐No
Conduct parts replacement and repairs?	☐Yes	☐No
Wash vehicles?	☐Yes	☐No
Clean equipment?	☐Yes	☐No
Conduct floors, mats, and surface cleaning?	☐Yes	☐No
Conduct animal grooming and washing?	☐Yes	☐No
Fuel vehicles and/or equipment?	☐Yes	☐No
Conduct accident and medical emergency response?	☐Yes	☐No
Conduct animal feeding and grazing?	☐Yes	☐No
Conduct automobile painting?	☐Yes	☐No
Conduct abrasive blasting?	☐Yes	☐No
Conduct casting, forging, or forming?	☐Yes	☐No
Perform chemical treatment?	☐Yes	☐No
Conduct control burns?	☐Yes	☐No
Perform cutting, trimming, and grinding?	☐Yes	☐No

(continued on next page)

Facility/Property:
Date:

Which of these Pollutant Generating Activities are conducted at your facility/property?		
Conduct differential settling maintenance?	☐Yes	☐No
Conduct dust and particulate generating activities?	☐Yes	☐No
Perform fabrication?	☐Yes	☐No
Conduct Fire staff field training and Fire drills?	☐Yes	☐No
Conduct maintenance/creation of Fire access roads, fire lanes, or fire breaks?	☐Yes	☐No
Conduct Fire Sprinklers, hydrants, tank, and hose testing maintenance	☐Yes	☐No
Conduct food preparation?	☐Yes	☐No
Conduct installation and destruction of gas extraction well(s)?	☐Yes	☐No
Conduct maintenance of leachate collection system?	☐Yes	☐No
Conduct methane recovery system condensate collection?	☐Yes	☐No
Conduct maintenance and repair of a methane recovery system ?	☐Yes	☐No
Conduct mixing?	☐Yes	☐No
Conduct painting or coating activities?	☐Yes	☐No
Conduct formulation of Pesticides or other chemical products?	☐Yes	☐No
Conduct process water pre-treatment?	☐Yes	☐No
Conduct maintenance of Airport ramp and runway?	☐Yes	☐No
Accommodate recreational uses?	☐Yes	☐No
Conduct special events?	☐Yes	☐No
Conduct wastewater sludge removal and disposal?	☐Yes	☐No
Conduct wastewater treatment?	☐Yes	☐No
Conduct weed abatement and/or vegetation clearing?	☐Yes	☐No
Conduct welding?	☐Yes	☐No
Use or maintain parking lots or driveways?	☐Yes	☐No
Conduct landscaping activities?	☐Yes	☐No
Apply pesticides, herbicides, or fertilizers?	☐Yes	☐No
Conduct maintenance of pool, spa, and fountain?	☐Yes	☐No
Conduct rooftop maintenance?	☐Yes	☐No
Use or maintain Sidewalks?	☐Yes	☐No
Use or maintain break areas and public areas?	☐Yes	☐No
Conduct pressure washing?	☐Yes	☐No
Conduct building fire sprinkler testing and maintenance?	☐Yes	☐No
Have erodible surfaces and/or areas under construction?	☐Yes	☐No

(continued on next page)

Facility/Property:
Date:

Which of these Pollutant Generating Activities are conducted at your facility/property?		
Conduct road and street use and maintenance?	☐Yes	☐No
Conduct storm drain operations and maintenance?	☐Yes	☐No
Have the potential for illicit discharges and connections?	☐Yes	☐No
TOTAL # of PGA's checked YES		

(continued on next page)

Attachment 5.5 – Threat to Water Quality Questionnaire

Facility/Property:
Date:

Threat-to-Water Quality (TTWQ) Questionnaire

1. How many pollutant generating activities (PGAs) occur at the facility/property (total from Table 1-1)?
    a. < 6 – 1 point
    b. 6-14 – 3 points
    c. 15-24 – 5 points
    d. > 25 – 10 points
2. Does the facility complete and record their self-inspections on a timely and thorough basis?
    a. Yes, always – 1 point
    b. Usually – 3 points
    c. Not always – 5 points
3. Are employees trained annually on stormwater and pollution prevention?
    a. All applicable staff– 1 point
    b. Some applicable staff – 3 points
    c. None – 5 points
4. Is the property within the floodplain or floodway?
    a. No – 1 point
    b. Partially – 3 points
    c. Yes – 5 points
5. What is the approximate impervious drainage area of your facility (including drainage from roofs, paved areas, roads, parking lots, etc)?
    a. < 5,000 sq ft – 1 point
    b. Around 5,000 sq ft – 3 points
    c. > 5,000 sq ft – 5 points
6. Does the impervious surface runoff discharge to a storm drain or receiving water body (i.e. river, creek, lake, natural drainage)?
    a. No – 1 point
    b. Yes – 5 points
7. Does the impervious surface drain to an Environmentally Sensitive Area (ESA)?
    a. No – 1 point **(if no, go to question 8)**
    b. Yes – 5 points

    7.a. What is the property distance to an ESA?
        a. > 200ft – 1 point
        b. < 200ft – 3 points
        c. Within ESA– 5 points
8. What volume of trash/debris does the facility grounds generate/receive/collect?
    a. Light: ≤ 55 gallon drum weekly – 1 point
    b. Moderate: > 55 gallon drum weekly – 5 points
    c. Heavy: > 1 dumpster weekly – 10 points
9. Does the facility have a history of spills or leaks within the past 3 years?
    a. No – 1 point
    b. No major spills and only a few small spills – 3 points
    c. No major spills and several small spills – 5 points
    d. Major spill on record – 10 points

(continued on next page)

Facility/Property:
Date:

10. Does the property have areas of erosion?
    a. None, or erosion control best management practices are in place – 1 point
    b. Some, or partial control of erosion – 5 points
    c. Many, and minimal erosion control – 10 points
11. Are non-stormwater discharges (example: irrigation runoff) either eliminated or controlled?
    a. Yes – 1 point
    b. Partially – 3 points
    c. No – 5 points
12. Is hazardous waste generated at the facility?
    a. No – 1 point
    b. Minor, infrequent amounts – 3 points
    c. Regularly – 5 points
13. Does the facility have pollution prevention programs in place?
    a. Yes – 1 point
    b. Plan to implement soon – 3 points
    c. No – 5 points
14. Does the facility implement stormwater BMPs as required?
    a. Yes – 1 point
    b. Sometimes – 3 points
    c. No – 5 points
15. Are the source control BMPs (sweeping, drip pans, fiber rolls) well maintained/ performed on a regular basis?
    a. Yes – 1 point
    b. Partially – 5 points
    c. No – 10 points
16. Are the storm drain system and/or any treatment control BMPs (such as oil water separators, detention basins, vegetated swales, filter inserts, gabions, permeable pavement, etc) regularly inspected and maintained?
    a. N/A – 0 points
    b. Yes – 1 point
    c. Occasionally – 5 points
    d. No – 10 points
17. During self-inspections, are corrections made in a timely manner to resolve issues?
    a. Yes – 1 point
    b. Sometimes – 3 points
    c. No – 5 points
18. After an audit, has a follow-up site visit been required by the WPP auditors within the past three (3) years?
    a. No, found in compliance – 0 points
    b. Only minor corrections have been required via picture report – 3 points
    c. Yes, once – 5 points
    d. Yes, more than once – 10 points
19. Has the facility/property received a Past-Due Notice from WPP in the past 3 years regarding any pending corrective action(s)?
    a. No corrective actions have been requested – 0 points
    b. No – 1 point
    c. Yes, once – 3 points
    d. Yes, more than once – 5 points

(continued on next page)

Facility/Property:
Date:

Total the points for each question answered above. Record your score below.

TOTAL: _____

Scoring

Under 28 = **Low** Threat to Water Quality (TTWQ). At a minimum, inspect **annually**
28-62 = **Medium** TTWQ. At a minimum, inspect **semi-annually** (once every 6 months)
63 and above = **High** TTWQ. At a minimum, inspect **quarterly**

Facility self-inspection schedules are determined by this Threat to Water Quality (TTWQ) questionnaire. According to the TTWQ questionnaire results, this facility conducts self-inspections:

☐ **Annually** ☐ **Semi-Annually** ☐ **Quarterly**

Disclaimer: DPW WPP stormwater auditors must approve the TTWQ self-inspection frequency and have the authority to raise or lower the frequency based on compliance history.

Notes:

Attachment 5.6 – Residential Best Management Practice Requirements

Attachment 5.6 – BMP Requirements and Recommendations for Residential Sources

A. Key Definitions

B. Watershed Protection Ordinance (WPO) Excerpts Applicable to Residential Dischargers

C. BMP Requirements and Options for Specific Residential Pollutant-generating Activities (PGAs)

A. Key Definitions

"Best Management Practices" (BMPs) shall have the same meaning as defined in the NPDES Order. Best management practices may include any type of pollution prevention and pollution control measure that achieves compliance with this chapter.

"Discharge", when used as a verb, means to allow pollutants to directly or indirectly enter stormwater, or to allow stormwater or non-stormwater to directly or indirectly enter the stormwater conveyance system or receiving waters, from an activity or operations which one owns or operates. When used as a noun, "discharge" means the pollutants, stormwater or non-stormwater that are discharged.

"Discharger" means any person or entity engaged in activities or operations or owning facilities, from which an allowed non-stormwater discharge to the stormwater conveyance system may or does originate or which will or may result in pollutants entering stormwater, the stormwater conveyance system, or receiving waters or the owners of real property on which such activities, operations or facilities are located, except that a local government or public authority is not a discharger as to activities conducted by others in public rights of way.

"Feasible" means capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, and technological factors as determined in the sole discretion of the County. Feasibility may be limited in this Chapter to eliminate consideration of economic, environmental and other factors as, for example, where feasibility is specifically defined as technological feasibility.

"Illicit connection" means any man-made conveyance or drainage system through which non-stormwater or pollutants in water, no authorized by an NPDES permit or the NPDES Order are discharged or may be discharged to the stormwater conveyance system.

"Maximum extent practicable" (MEP) shall have the same meaning as defined in the NPDES Order.

"Non-stormwater" means all discharges to and from the stormwater conveyance system that do not originate from precipitation.

"Pollutant" means any agent that may cause, potentially cause, or contribute to the degradation of water quality such that a condition of pollution or contamination is created or aggravated.

"Pollution prevention" means the practices and processes that reduce or eliminate the generation of pollutants such as the use of smaller quantities of toxic materials or substitution of less toxic materials; changes to production processes to reduce waste; decreases in waste water flows; recycling of wastes as part of the production process; segregation of wastes, and treatment of wastes on site to decrease volume or toxicity.

"Receiving waters" shall mean waters of the United States.

"Residential discharger" means the occupant, owner, manager, caretaker, or owner's association that owns, occupies, or has responsibility for a discharge from a single-family dwelling, a multiple-family dwelling, mobile home park, condominium complex, board-and-care house, or other housing structure or portion of a residential development from which the discharge originated.

"Stormwater conveyance system" means private and public drainage facilities other than sanitary sewers within the unincorporated area of San Diego County by which urban run-off may be conveyed to receiving waters, and includes but is not limited to roads, streets, constructed channels, aqueducts, storm drains, pipes, street gutters, inlets to storm drains or pipes, or catch basins.

"Stormwater Quality Management Plan" means a plan, submitted on a County form or in a County approved format with an application for a County permit or other County approval, identifying the measures that will be used for stormwater and non-stormwater management for a development project. There are two types of SWQMPs: a Standard SWQMP and a PDP SWQMP. A PDP SWQMP is required for all Priority Development Projects west of the Pacific/Salton Divide. Standard SWQMPs are required for all development projects east of the Pacific/Salton Divide and for all projects west of the Pacific/Salton Divide that are not Priority Development Projects.

"Water quality standards" means those regionally determined beneficial uses and water quality objectives in applicable water quality control and basin plans, together with anti-degradation policies that serve as water quality standards under the Clean Water Act.

B. Watershed Protection Ordinance (WPO) Excerpts Applicable to Residential Dischargers

Key sections of the Watershed Protection Ordinance (WPO) with applicability to Residential Dischargers are provided below. The WPO is provided in its entirety in Attachment 2.2.

SEC. 67.804. DISCHARGE PROHIBITIONS.

(a) It is unlawful for any person to discharge or cause the discharge of pollutants or non-stormwater directly or indirectly into the stormwater conveyance system or receiving waters, except as set forth in section 67.805 or as otherwise authorized by law.

(b) It is unlawful for any person to construct, use or maintain a connection to the stormwater conveyance system that discharges any matter other than stormwater, except as set forth in Section 67.805(a). This section expressly supersedes any previously issued permit or authorization granted by the County and expressly prohibits any previously legal non-conforming connection.

(c) It is unlawful to throw, deposit, leave, abandon, maintain, or keep materials or wastes on public or private lands in a manner and place where they may result in a discharge.

(d) Stormwater discharges from the site may not contain sediments in amounts in excess of the sediments that would have been discharged from the site in an undisturbed condition.

SEC. 67.805. EXEMPTIONS FROM DISCHARGE PROHIBITIONS.

The following are exempt from the prohibitions in section 67.804:

(a) Any discharge or connection regulated under a valid facility-specific NPDES permit or non-stormwater discharges exempted pursuant to Section II.E.2 of the NPDES Order, provided that the discharge or connection is in compliance with all relevant permit conditions and the requirements of the NPDES Order to the satisfaction of the County or Regional Water Quality Control Board.

(b) Discharges of non-stormwater to the stormwater conveyance system covered by NPDES Permit No. CAG919001 (Order No. R9-2007-0034, or subsequent order) for discharges to San Diego Bay, or NPDES Permit No. CAG919002 (Order No. R9-2008-0002, or subsequent order) for discharges to surface waters other tan San Diego Bay meeting the requirements enumerated below are allowed unless determined by the County or RWQCB to be a sources of pollutants to receiving waters:

(1) Uncontaminated pumped ground water;

(2) Discharges from foundation drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year;

(3) Water from crawl space pumps; and

(4) Water from footing drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year.

(c) Non-stormwater discharges from water line flushing and water main breaks to the stormwater conveyance system are allowed provided the discharge is covered by NPDES Permit No. CAG679001 (Order No. R9-2010-003, or subsequent order) unless determined by the County or RWQCB to be a source of pollutants to receiving waters. This exemption does not cover discharges from recycled or reclaimed water lines unless covered by a separate NPDES permit.

(d) Discharges of non-stormwater to the stormwater conveyance system meeting the requirements enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Diverted stream flows;

(2) Rising ground waters;

(3) Uncontaminated ground water infiltration to stormwater conveyance system;

(4) Springs;

(5) Flows from riparian habitats and wetlands;

(6) Discharges from potable water sources;

(7) Discharges from foundation drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances; and

(8) Discharges from footing drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances.

(e) Discharges of non-stormwater to the stormwater conveyance system as enumerated below are allowed unless determined by the County or RWQCB to be a source of pollutants to receiving waters:

(1) Air conditioning condensation

(A) Whenever feasible, the discharge of air conditioning condensation shall be directed to landscaped areas, pervious surfaces, or to the sanitary sewer.

(2) Individual residential vehicle washing at a residence in accordance with Section 67.807(b)

(A) Whenever feasible, the discharge of wash water shall be directed to landscaped areas or other pervious surfaces; and

(B) The amount of water, washing detergent and other vehicle wash products used shall be the minimum amount necessary to completely wash the vehicle. This requirement shall be deemed violated if visible soap scum, oil sheen, or other by-products of residential vehicle washing reach the gutter or other drainage conveyance device in front of the residence where the vehicle is being washed.

(3) Dechlorinated swimming pool discharges

(A) Residual chlorine from swimming pools and fountains must be eliminated prior to discharging to the stormwater conveyance system or receiving waters;

(B) Filter backwash, acid-wash water (pH <7.2 and > 8.0), and algaecide-treated pool water shall be prohibited from discharge to the stormwater conveyance system or receiving water; and

(C) The discharge of saline swimming pool water must be directed to the sanitary sewer, landscaped areas, or other pervious surfaces that can accommodate the volume of water, unless the saline swimming pool water can be discharged via a pipe or concrete channel directly to a naturally saline water body (e.g. Pacific Ocean).

(f) Firefighting discharges to the stormwater conveyance system are only prohibited if determined to be a significant source of pollutants to receiving waters by the County or RWQCB. Firefighting discharges to the stormwater conveyance system not identified as a significant source of pollutants to receiving waters are allowed provided they meet the following requirements:

(1) Non-emergency firefighting discharges

(A) Building fire suppression system maintenance discharges (e.g. sprinkler line flushing) to the stormwater conveyance system are prohibited unless BMPs are implemented to prevent pollutants associated with such discharges from entering the stormwater conveyance system.

(B) Non-emergency firefighting discharges (i.e., discharges from controlled or practice blazes, firefighting training, and maintenance activities not associated with building fire suppression systems) must be addressed by a program developed and implemented by the County, to reduce or eliminate pollutants in such discharges from entering the stormwater conveyance system.

(2) Emergency firefighting discharges

(A) The development and implementation of BMPs to reduce or eliminate pollutants in emergency firefighting discharges to the stormwater conveyance system and receiving waters is encouraged, but not required. Notwithstanding the foregoing, the County may require the use of BMPs for firefighting discharges when determined by the authorized enforcement official to be necessary to eliminate or reduce the discharge of pollutants to the stormwater conveyance system or receiving waters. As applicable, required BMPs may include those described in Sections 67.806 and 67.808. Any BMPs that interfere with immediate emergency response operations or impact public health and safety need not be used.

(g) In the event that any non-stormwater discharge identified in Section 67.805 (a) through (f) is determined to be a source of pollutants to receiving waters, it may only be allowed to continue within an applicable Watershed Management Area if controls set forth by the County in the corresponding Water Quality Improvement Plan are implemented to the satisfaction of the RWQCB.

(h) Discharges exempted from compliance by operation or law; any permits, orders or decisions issued by the RWQCB; and any waivers, or renewals of waivers issued by the RWQCB such as those covered by Regional Board Order No. R9-2014-0041, adopted June 26, 2014.

67.806 GENERAL BEST MANAGEMENT PRACTICE REQUIREMENTS.

The following requirements apply to all dischargers:

(a) All dischargers must perform and maintain the following BMPs:

(1) Prior to the rainy season, remove or secure any significant accumulations of eroded soils from slopes previously disturbed by landscaping, clearing or grading, if those eroded soils could otherwise enter and impact the stormwater conveyance system or receiving waters during the rainy season.

(2) Implement, as practicable, those stormwater pollution prevention practices that are generally recognized in that discharger's industry or business as being effective and economically advantageous.

(3) Eliminate illicit connections.

(4) Protect, from erosion, those slopes that have been disturbed by clearing, grading, or landscaping and are more than three feet in height or steeper than 3:1 (run-to-rise). Slope protection shall occur prior to the first rainy season following the clearing, grading or landscaping of the slope and continuously thereafter.

(5) Store all materials and wastes with the potential to pollute stormwater in a manner that prevents contact with rainfall, run-on, run-off, and wind dispersal.

(6) Locate, configure, and manage stockpiles of soil, green waste and compost to prevent the release of materials to the stormwater conveyance system or receiving waters.

(7) Use all materials with the potential to pollute runoff, such as outdoor cleaning and maintenance products, fertilizers, pesticides and herbicides in accordance with label directions. No such product may be disposed of or rinsed into receiving waters or the stormwater conveyance system.

(8) Use dry methods such as sweeping, vacuuming, raking, and application of absorbents to cleanup pollutants, unless wet cleanup methods are otherwise allowed in this Chapter.

(b) BMPs shall be maintained to function as intended and designed. BMPs which fail shall be repaired or replaced as soon as it is safe or practicable. If BMPs fail notwithstanding their intent or design, the BMPs shall be modified or upgraded to prevent any further failure in the same or similar circumstances.

(c) Notwithstanding the provisions of this chapter, an authorized enforcement official may require a discharger to prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) for approval by the authorized enforcement official as follows:

(1) If the discharger fails to comply with any applicable requirement of this Chapter after one or more written notifications or other enforcement action because BMPs have been determined to be inadequate or are not being adequately maintained.

(2) The activity at issue is considered a significant source of pollutants or a source of a non-stormwater discharge in excess of what is allowed by this Chapter to the stormwater conveyance system or receiving waters. Any discharger required to submit and to obtain approval of a SWPPP shall install, implement and maintain the BMPs specified in the approved SWPPP.

(3) The SWPPP shall identify the BMPs or corrective measures that will be used by the discharger to prevent or control pollution of stormwater to the MEP and bring the non-stormwater discharge into conformance with the requirements of this Chapter. If a facility discharges non-stormwater to ground water, the facility shall obtain an RWQCB permit as required by the State Water Code, and shall describe the requirements of that permit in the SWPPP.

(g) Notification of spills, releases and illicit discharges.

(1) Spills, releases, or discharges of pollutants or non-stormwater in excess of what is allowed by this Chapter to receiving waters or to the stormwater conveyance system shall be reported by the discharger as required by all applicable state and federal laws.

(2) Any such spills, releases or discharges with the potential to endanger health, safety or the environment shall be reported to the Director, Department of Public Works, within 24 hours after discovery of the spill, release or discharge. Spills that have been completely contained and cleaned up on-site are not considered significant unless they pose a threat to human health or safety.

(3) If safe to do so, necessary actions shall be taken to contain and minimize the spill, release or discharge of any pollutants to the MEP and bring any allowed discharge of non-stormwater into compliance with this Chapter.

(h) Sampling, Testing, Monitoring, and Reporting.

(1) Dischargers shall perform the sampling, testing, monitoring and reporting required by this Chapter.

(2) An authorized enforcement official may order a discharger to conduct testing or monitoring and to report the results to the County if one or more of the following occurs:

(A) The authorized enforcement official determines that testing or monitoring is needed to determine whether BMPs are effectively preventing or reducing pollution in stormwater to the MEP or necessary to allow for the continued discharge of non-stormwater under the limited circumstances permitted by this Chapter.

(B) Testing or monitoring is needed to determine whether the facility is a significant source of pollutants or of otherwise prohibited non-stormwater discharges to receiving waters or the stormwater conveyance system.

(C) The authorized enforcement official determines that testing or monitoring is needed to assess the impacts of a discharge on the public's health or safety or the environment.

(D) A discharge has not been eliminated after written notice by an authorized enforcement official.

(E) The RWQCB requires the County to provide any information related to the discharger's activities.

(3) Sampling, testing, or monitoring ordered pursuant to this Section may include one or more of the following:

(A) Visual monitoring of dry weather flows, wet weather erosion, discharge points, or conditions of BMPs.

(B) Visual monitoring of premises for spills or discharges.

(C) Laboratory analyses of discharges for pollutants.

(D) Background or baseline monitoring or analysis.

(E) Monitoring of receiving waters or sediments that may be affected by pollutant discharges by the discharger or by a group of dischargers including the discharger.

(4) The authorized enforcement official may direct the manner in which the results of required testing and monitoring are reported, and may determine that sampling, testing or monitoring may discontinue.

SEC. 67.807. ADDITIONAL MINIMUM BEST MANAGEMENT AND POLLUTION PREVENTION PRACTICES FOR RESIDENTIAL ACTIVITIES AND USES

Residential dischargers shall install, implement and maintain BMPs and implement pollution prevention practices, as follows:

(a) Motor Vehicle or Boat Repair and Maintenance.

(1) All repair and maintenance activities shall be performed under a permanent roof or other permanent cover, where feasible.

(2) All maintenance and repair activities conducted without cover or without BMPs to prevent discharges are prohibited during times of precipitation.

(3) Any release of fluids, including boat bilge water, during repair or maintenance shall be promptly contained and cleaned up. Any absorbent materials used shall be disposed of as required by law.

(4) Degreasing or pressure washing of engines and other parts is prohibited unless the liquid wastes are contained and properly disposed of as required by law.

(5) Automotive and boat materials and wastes shall be stored indoors, under cover, or in secure and watertight containers.

(b) Residential Motor Vehicle Washing.

(1) Individual motor vehicles shall be washed over porous surfaces such as lawns and gravel areas where feasible.

(2) Unused detergent solutions shall not be disposed of directly or indirectly into the stormwater conveyance system or receiving waters. Disposal to the sanitary sewer, such as a sink, toilet or floor drain or to a porous surface, where allowed by this chapter, is required.

(3) The use of "hose off" or single use engine degreasing chemicals is prohibited, unless captured and disposed of properly.

(4) Motor vehicle washing other than individual residential motor vehicle washing is prohibited.

(5) Degreasing or pressure washing of engines and other parts is prohibited unless the liquid wastes are contained and properly disposed of as required by law.

(c) Motor Vehicle Parking.

(1) Residential dischargers shall remove excessive accumulations of oil and grease deposited by vehicles they own from parking areas, using dry cleanup methods such as absorbents, scraping, vacuuming, sweeping, mop and bucket.

(2) Residential dischargers shall move vehicles from streets when notified to allowstreet cleaning.

(d) Home and garden care activities and product use.

(1) Residential dischargers or their contractors shall adjust irrigation systems to avoid runoff that causes discharges to the stormwater conveyance system or receiving waters.

(2) Residential dischargers or their contractors shall clean up and properly dispose of spills from gardening chemicals, fertilizers or soils to non-porous surfaces.

(3) Lawn and garden care products shall be stored in closed, labeled containers, such as in covered areas, off the ground, or under protective tarps, and in a manner that will not lead to a discharge.

(4) Disposal of household hazardous waste directly or indirectly to the trash or to the street, gutter or storm drain is prohibited.

(e) Home care and maintenance.

(1) Cleaning of painting equipment in or over streets, sidewalks, gutters, or yard drains is prohibited.

(2) Action shall be taken to minimize and contain all spills of hazardous materials, if it is safe to do so.

(3) Household hazardous materials shall be stored indoors or under cover, and in closed and labeled containers.

(f) Manure and pet waste management.

(1) Where practicable, all areas, where livestock, horses or other large animals are confined, shall be bermed or curbed to contain animal waste where it is produced or managed to prevent discharge of waste or waste byproducts to the stormwater conveyance system or receiving waters. If compliance is not practicable, manure shall be cleaned up at least twice weekly and must be composted or properly stored prior to disposal.

(2) Wastes from small animals (e.g., dogs and cats) shall be cleaned up and properly disposed of at least weekly.

(3) Areas used for storing or composting manure shall be located, configured or managed to prevent run-off to stormwater conveyance system or receiving waters.

(g) Private sewer laterals and on-site wastewater systems.

(1) Private sewer laterals shall be cleaned, maintained and when necessary replaced to prevent seepage and spills. On-site wastewater systems shall be pumped, maintained and when necessary modified or replaced to prevent spills.

(2) Spills from private sewer laterals and on-site wastewater systems shall be contained and cleaned-up in a manner that minimizes any release of pollutants to the stormwater conveyance system or receiving waters.

(3) Any release from a private sewer lateral that enters the stormwater conveyance system or receiving waters shall be immediately reported to the County.

(4) Failed on-site wastewater systems shall be repaired or replaced.

C. BMP Requirements and Recommendations for Specific Residential Pollutant-generating Activities (PGAs)

Table 5.6.1 – Required and Recommended Best Management Practices (BMPs) by Pollutant-generating Activity

Pollutant Generating Activity	Best Management Practice
AUTOMOBILE AND BOAT	
Parking and storage	**WPO Section 67.807(c)** (1) Remove excess accumulations of oil and grease deposited by vehicles from parking areas, using dry cleanings methods (e.g., absorbents, scraping, vacuuming, sweeping, mop and bucket). (2) Move vehicles or boats from streets when notified to allow street cleaning.
Maintenance and repair	**WPO Section 67.807(a)** (1) Perform all repair and maintenance activity under a permanent roof or other permanent cover, where feasible. (2) All maintenance and repair activities conducted without cover or without BMPs to prevent discharges are prohibited during times of precipitation. (3) Promptly contain and clean up any release of fluids, including boat bilge water, during repair or maintenance. Dispose of any absorbent materials used as required by law. (4) Degreasing or pressure washing of engines and other parts is prohibited unless the liquid wastes are contained and properly disposed of as required by law.
Washing and cleaning	**WPO Section 67.805(e)(2)** (A) Whenever feasible, the discharge of wash water shall be directed to landscaped areas or other pervious surfaces; and (B) The amount of water, washing detergent and other vehicle wash products used shall be the minimum amount necessary to completely wash the vehicle. This requirement shall be deemed violated if visible soap scum, oil sheen, or other by-products of residential vehicle washing reach the gutter or other drainage conveyance device in front of the residence where the vehicle is being washed. **WPO Section 67.807(b)** (1) Wash individual motor vehicles over porous surfaces such as lawns and gravel areas, where feasible. (2) Do not directly or indirectly dispose of unused detergent solutions into the stormwater conveyance system or receiving waters. Disposal to the sanitary sewer, such as sink toilet or floor drain or to a porous surface is required. (3) Do not use “hose off” or single use engine degreasing chemicals unless captured and disposed of properly. (4) Washing of motor vehicles (other than individual residential motor vehicles) is prohibited. (5) Do not degrease or pressure wash engines and other parts the liquid wastes are contained and properly disposed of as required by law.

Pollutant Generating Activity	Best Management Practice
	Recommended Pollution Prevention • Use a commercial car washing facility instead of washing and cleaning automobiles in residential areas. • Use low toxic substitutes to wash and clean automobiles and boats. • Clean parts mechanically or pressure clean.
Material and waste storage	**WPO Section 67.807(a)(5)** Store automotive and boat material and wastes indoors, under cover, or in secure and watertight containers.
Waste management and disposal	**WPO Section 67.807(d)(4)** Do not dispose of household hazardous waste directly or indirectly to the trash or to the street, gutter or storm drain.
LAWN AND GARDEN	
Over-irrigation	**WPO Section 67.807(d((1)** Adjust irrigation systems to avoid runoff that may cause a discharge to the storm drain.
	Recommended Pollution Prevention • Adjust irrigation schedule according to seasonal changes. • Prevent the discharge of irrigation water to roads, streets, storm drains, and gutters. • Irrigation runoff is strictly prohibited.
Chemical product use (fertilizers, pesticides, and herbicides)	**WPO Section 67.807(d)(2)** Clean up and properly dispose of spills from gardening chemicals, fertilizers, or soil to non-porous surfaces.
	Recommended Pollution Prevention • Use low-maintenance plants (native) that do not require fertilizer. • Use organic, slow-releasing, and/or low-toxic substitutes and use only when needed. Avoid using sprays. • Avoid applying chemicals prior to or during storm events. • Use fertilizer substitutes, such as mulch of leaves, bark, and composted manure and/or garden waste where it is not likely to get carried off into storm drains. • Use integrated pest management practices.
Materials and waste storage	**WPO Section 67.807(d)(3)** Store lawn and garden care products in closed, labeled containers, such as in covered areas, off the ground, or under protective tarps, and in a manner that will not lead to a discharge.
Waste management and disposal	**WPO Section 67.807(d)(4)** Do not dispose of household hazardous waste directly or indirectly to the trash or to the street, gutter or storm drain.
	Recommended Pollution Prevention • Compost green waste.

Pollutant Generating Activity	Best Management Practice
HOUSEHOLD AND HOME	
Painting	**WPO Section 67.807(e)(1)** Do not clean painting equipment in or over streets, sidewalks, gutters, or yard drains.
Repair and maintenance	**WPO Section 67.807(e)(2)** Minimize and contain all spills of hazardous materials, if it is safe to do so.
Outdoor cleaning	**Recommended Pollution Prevention** • Use dry methods (sweep, vacuum, etc.) to clean outdoor areas, such as sidewalks, driveways, and patios. • Divert wash water to landscaped or pervious surfaces using portable berms or sandbags. Remove and discard accumulated residual litter. • Protect storm drain inlets from run-off.
Pool, spa, and fountain care	**WPO Section 67.805(e)(3)** (A) Residual chlorine from swimming pools and fountains must be eliminated prior to discharging to the stormwater conveyance system or receiving waters; (B) Filter backwash, acid-wash water (pH <7.2 and > 8.0), and algaecide-treated pool water are prohibited from discharge to the stormwater conveyance system or receiving water; and (C) The discharge of saline swimming pool water must be directed to the sanitary sewer, landscaped areas, or other pervious surfaces that can accommodate the volume of water, unless the saline swimming pool water can be discharged via a pipe or concrete channel directly to a naturally saline water body (e.g. Pacific Ocean).
	Recommended Pollution Prevention • Properly maintain pools, spas, and fountains to prevent the need for excessive toxic chemicals. • Never clean filters in the street, gutter, or storm drain. Rinse cartridge filters onto a dirt area and spade filter residue into the soil. Keep backwash discharges out of the street and storm drain. Backwash sand and diatomaceous earth filters onto a dirt area. Dispose of spent filter materials in the trash. • Dispose of backwash wastewater to the sanitary sewer, to a holding tank or settling pond, or by infiltration to the soil.
Materials and waste storage	**WPO Section 67.807(e)(3)** Store household hazardous materials indoors or under cover, and in closed and labeled containers.
Waste management and disposal	**WPO Section 67.807(d)(4)** Do not directly or indirectly dispose of household hazardous waste to the trash or to the street, gutter or storm drain.

Pollutant Generating Activity	Best Management Practice
PETS	
Pet waste disposal	**WPO Section 67.807(f)(2)** Wastes from small animals (e.g., dogs and cats) shall be picked up and disposed of at least weekly.
	Recommended Pollution Prevention • Pick up waste around the home and during walks. • Properly dispose of waste into a covered receptacle immediately to prevent material from entering into the stormwater conveyance system or receiving waters. • Flush waste down the toilet where it is properly treated.
Pet care	**Recommended Pollution Prevention** • Bathe and clean pets indoors to allow wash water to drain into the sanitary sewer. • Wash pets over porous surfaces such as lawns and gravel areas. • Do not directly or indirectly dispose of unused detergent solutions to the stormwater conveyance system or receiving waters. Instead dispose of solutions to the sanitary sewer (e.g., through a sink, toilet or floor drain) or to a porous surface.
LIVESTOCK AND LARGE ANIMALS	
Manure management	**WPO Section 67.807(f)(1)** Where practicable, berm or curb all areas where livestock, horses or other large animals are confined to contain animal waste where it is produced, or manage waste in a manner that avoids a discharge to the stormwater conveyance system or receiving waters. If compliance is not practicable, clean up manure at least twice weekly and compost or properly store it prior to disposal.
Manure disposal	**Recommended Pollution Prevention** • Dispose of manure in a covered waste receptacle.
Composting	**WPO Section 67.807(f)(2)** Locate, configure, or manage areas used to store or compost manure to prevent runoff to stormwater conveyance system or receiving waters.

Attachment 5.7 – Industrial and Commercial Inventory

Attachment 5.7 - Department of Agriculture, Weights Measures Commercial Inventory

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
1	AARDVARK ANT PEST CONTROL INC	2514 JAMACHA RD 502 40, EL CAJON 92019	SAN DIEGO RIVER	909.21	Pest Control Business	NO	NO
2	ACOSTA PLANTS	2469 N. TWIN OAKS VALLEY RD., SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
3	ACOSTA PLANTS	1060 LA RUEDA RD, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
4	AGRI-SCAPE ORCHARD MANAGEMENT	811 QUAIL ROAD, FALLBROOK 92028	SANTA MARGARITA	902.13	Pest Control Business	NO	NO
5	AKITA BONSAI NURSERY	32250 SHIREY RD, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
6	ALEXS NURSERY #1	568 DEER SPRINGS ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
7	ALEXS NURSERY #2	1810 DAVIS DR, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
8	ALGON EXTERMINATING CO	13689 HIGHWAY 8 BUSINESS, EL CAJON 92021	SAN DIEGO RIVER	907.14	Pest Control Business	NO	NO
9	ALOHA TROPICALS	858-1/2 MASON ROAD, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
10	ALPINE CEMETERY	2495 W VICTORIA DR, ALPINE 91901	SAN DIEGO RIVER	907.33	Cemetery	NO	NO
11	ALTMAN SPECIALTY PLANTS #01	3742 BLUEBIRD CANYON RD/2372 TAMARA LANE, VISTA 92084	CARLSBAD	904.53	Nursery/Greenhouse	YES	NO
12	ALTMAN SPECIALTY PLANTS #02	2124 & 2008 EDGEHILL RD, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
13	ALTMAN SPECIALTY PLANTS #03	3361 VALLE PASO, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
14	ALTMAN SPECIALTY PLANTS #04	553 BUENA CREEK RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
15	ALTMAN SPECIALTY PLANTS #05	787 CASSOU RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
16	ALTMAN SPECIALTY PLANTS #06	949 LA RUEDA, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
17	ALTMAN SPECIALTY PLANTS #07	SKYLINE & RUDD RD, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	YES
18	ALTMAN SPECIALTY PLANTS #08	10271 LILAC RIDGE RD, VALLEY CENTER 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
19	ALTMAN SPECIALTY PLANTS #09	10816 REIDY CANYON TRAIL, ESCONDIDO 92026	CARLSBAD	904.62	Nursery/Greenhouse	YES	YES
20	ALTMAN SPECIALTY PLANTS #10	10040 CIRCLE R DR., ESCONDIDO 92026	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
21	ALTMAN SPECIALTY PLANTS #11	30945 VIA PUERTA DEL SOL, BONSALL 92003	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
22	AMARANTO GROWERS	2103 VICTORY DR, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
23	ANIMALS TO GO	8365 JACKSON HEIGHTS CT, EL CAJON 92021	SAN LUIS REY	903.15	Pest Control Business	NO	NO
24	APGAR NURSERY	330 ESTRELITA DR, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
25	AQUALAND FARMS	2106 WARMLANDS AVENUE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
26	AQUINO GREENHOUSE	2511 N. SANTA FE RD, VISTA 92083	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
27	ARMSTRONG FARMS, Inc	27023 N LAKE WOHLFORD ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.15	Other	NO	NO
28	ASAP PEST CONTROL	611 RAMONA AVE, SPRING VALLEY 91977	SAN DIEGO BAY	909.21	Pest Control Business	NO	NO
29	ATKINS NURSERY #1	3129 RECHE RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
30	ATKINS NURSERY #2	4255 STERLING VIEW DR, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
31	B & C TREE INC	30007 OLD HIGHWAY 395, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
32	B & G NURSERY, INC	11360 PALA LOMA DR, VALLEY CENTER 92082	SAN LUIS REY	903.21	Pest Control Business	NO	NO
33	B & G RANCH	15907 VESPER RD., VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
34	B A P NURSERY	1961 MULBERRY RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
35	BADGER, RE & SON, INC.	203 S RANCHO SANTA FE RD, ENCINITAS 92024	CARLSBAD	904.61	Pest Control Business	YES	YES
36	BAMBOO 4 U	3625 GOPHER CANYON ROAD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
37	BAMBOO INTERNATIONAL	1902 BOUNDARY AVE, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
38	BARCELO ENTERPRISES	1210 RAINBOW HILLS RD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	YES	NO
39	BAXENDALE NURSERY INC.	760 SHADY LANE, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
40	BEJOCA COMPANY	2636 HAVENCREST, FALLBROOK 92028	SAN LUIS REY	903.12	Pest Control Business	NO	NO
41	BELL ROCK GROWERS	3700 N TWIN OAKS VLY RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
42	BEN'S SUBTROPICALS	10149 LA ROCA GRANDE, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
43	BETHEL NURSERY INC.	29745 LILAC ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
44	BIG TREES NURSERY #3	30645 MESA CREST RD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
45	BIG TREES NURSERY #4	123 VISTA MERRIAM, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
46	BIORENOVA NUTRACEUTICALS, LLLP	2600 SARVER LANE, SAN MARCOS 92069	CARLSBAD	904.53	Other	NO	NO
47	BLOSSOM VALLEY NURSERY	9835 BLOSSOM VALLEY BOULEVERD, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
48	BONITA CREEK NURSERY #1	3440 PROCTOR VALLEY RD.(3 PARCELS), BONITA 91902	SAN DIEGO BAY	909.12	Nursery/Greenhouse	NO	NO

Attachment 5.7 - Department of Agriculture, Weights Measures Commercial Inventory

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
49	BONITA GOLF COURSE - CROCKETT & CO., INC.	5540 SWEETWATER ROAD, BONITA 91902	SAN DIEGO BAY	909.12	Golf Course	YES	NO
50	BONNIE PLANTS	10693 HWY 76, PALA 92059	SAN LUIS REY	903.21	Nursery/Greenhouse	YES	YES
51	BOOMAN FLORAL #1	2302 BAUTISTA DR, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
52	BOOMAN FLORAL #3	501 OSBORNE ST, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
53	BOS PLANTEX	2031 MARILYN LN, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
54	BRIDGES GOLF CLUB, THE	18504 ALISO CANYON RD, RANCHO SANTA FE 92067	CARLSBAD	904.61	Golf Course	YES	YES
55	BRIGGS NURSERY #2	1148 GOPHER CANYON RD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
56	BRIGGS NURSERY #3	1188 GOPHER CANYON RD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
57	BRIGGS NURSERY #5	AQUADUCT RD & HWY 15, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
58	BRIGGS NURSERY #7	1180 GOPHER CANYON RD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
59	BRIGGS NURSERY #9	32050 AQUADUCT ROAD, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
60	BROTHERS NURSERY #1	32948 RINCON RANCHO RD, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
61	BROTHERS NURSERY #2	18220 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
62	BUENA CREEK GARDENS	418 BUENA CREEK RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
63	BUENA CREEK NURSERY #2	1305 NAVEL PL, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	YES
64	BUENA CREEK NURSERY #3	39664 DELUZ RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	YES	NO
65	C & J CACTUS NURSERY #1	2369 E VISTA WAY, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
66	C & J CACTUS NURSERY #2	3461 ROYAL ROAD, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	YES	NO
67	C & S NURSERY, INC.	2154 HUFFSTATLER STREET, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
68	C F FARMING	36437B CARNEY RD, VALLEY CENTER 92082	SAN LUIS REY	903.22	Pest Control Business	NO	NO
69	C STARS NURSERY	2302 GREEN VALLEY RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
70	CACTUS CAHOOTS	12925 MIRAR DE VALLE, VALLEY CENTER 92082	SAN LUIS REY	903.14	Nursery/Greenhouse	NO	NO
71	CACTUS CANYON NURSERY	33439 COUSER CANYON, VALLEY CENTER 92082	SAN LUIS REY	903.21	Nursery/Greenhouse	NO	NO
72	CAL CACTUS	7620 WEST LILAC RD, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
73	CAL TROPICAL FRUIT NURSERY #1	2081 ELEVADO ROAD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
74	CAL TROPICAL FRUIT NURSERY #2	3823 ROBINHOOD LANE, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
75	CALIFORNIA PLANT COMPANY	29880 MILLER WAY, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
76	CALIFORNIA PLANT COMPANY LLC	1348 RAINBOW VALLEY BLVD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
77	CAL-WESTERN WEED CONTROL	10047 CIRCLE R DR SUITE B, VALLEY CENTER 92082	SAN LUIS REY	903.13	Pest Control Business	NO	NO
78	CAMBRIDGE PINES & NURSERY	40878 DAILY RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
79	CAMPO NURSERY	4220 KARI LN, BONSALL 92069	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
80	CARLSBAD FLORAL EXCHANGE INC	3519 CAZADOR LN, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
81	CARREON NURSERY	17600 MESA DR. SOUTH, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
82	CASA BLANCA NURSERY	30422 MILLER RD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
83	CASTANEDA NURSERY #1	2110 RAINBOW GLEN ROAD, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
84	CASTANEDA NURSERY #2	2018 RAINBOW GLEN RD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
85	CASTLE CREEK COUNTRY CLUB	8797 CIRCLE R DRIVE, ESCONDIDO 92026	SAN LUIS REY	903.13	Golf Course	NO	NO
86	CHINA CITY DEVELOPMENT INC.	1607 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
87	CHOICE NURSERY	2123 N SANTA FE AVE, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
88	CHRIS AG PEST CONTROL	1275 AVES LN, FALLBROOK 92028	SAN LUIS REY	903.12	Pest Control Business	NO	NO
89	CINDY READ	1131 PEPPER DR, EL CAJON 92021	SAN DIEGO RIVER	907.13	Nursery/Greenhouse	NO	NO
90	CLAUSEN NURSERY #1	3132 BLACKWELL DR, VISTA 92083	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
91	CLAUSEN NURSERY #2	937 EL PASEO, VISTA 92083	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
92	CLAUSEN NURSERY #3	1010BARSBY ST, VISTA 92083	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
93	CLIVIA HILL NURSERY	803 QUAIL HILL RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
94	COLOR SPOT NURSERIES	2575 OLIVE HILL ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
95	CONIFF NURSERY #1	2840 RIDGEWAY DR, NATIONAL CITY 91950	SAN DIEGO BAY	909.12	Nursery/Greenhouse	NO	NO
96	CONIFF NURSERY #2	2560 RIDGEWAY DR, NATIONAL CITY 91950	SAN DIEGO BAY	909.12	Nursery/Greenhouse	NO	NO

Attachment 5.7 - Department of Agriculture, Weights Measures Commercial Inventory

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
97	CONTROLLED ENVIRONMENTS	14087 PAUMA VISTA DR, VALLEY CENTER 92082	SAN LUIS REY	903.22	Pest Control Business	NO	NO
98	COTTONWOOD GOLF COURSE	3121 WILLOW GLEN DR, EL CAJON 92019	SAN DIEGO BAY	909.2	Golf Course	YES	NO
99	CRUZ NURSERY	2620 CALINDA DRIVE, VISTA 92083	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
100	CYCAD HILL/FLORA EXOTICA	4564 PALOMAR STREET, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
101	CYCADS-N-PALMS	522 HILBERT DRIVE, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
102	D & D WILDLIFE HABITAT RESTORATION, INC	9143 HARNESS STREET, SPRING VALLEY 91977	SAN DIEGO BAY	909.12	Pest Control Business	NO	NO
103	D & S TERMITE & FUMIGATION	3638 BANCROFT DR, SPRING VALLEY 91977	SAN DIEGO BAY	909.12	Pest Control Business	NO	NO
104	DANIELS SPECIALTY NURSERY	16869 RIO MARIA RD, LAKESIDE 92040	SAN DIEGO RIVER	907.21	Nursery/Greenhouse	NO	NO
105	DEAN KIRSTEN	1343 YORK DR, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
106	DEER SPRINGS GARDENS	705 MIMOSA AVE, VISTA 92081	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
107	DEL MAR COUNTRY CLUB	6001 CLUB HOUSE DR, RANCHO SANTA FE 92067	SAN DIEGUITO	905.11	Golf Course	YES	NO
108	DESIGNED II #1	32183 OLD HIGHWAY 395, ESCONDIDO 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
109	DESIGNED II DBA WATERWISE BOTANICALS	11050 MYSTERY MOUNTAIN RD, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
110	DEWEY PEST CONTROL	9386 BOND AVE, EL CAJON 92021	SAN DIEGO RIVER	907.14	Pest Control Business	NO	NO
111	DIANA'S NURSERY	19260 PARADISE MOUNTAIN ROAD, VALLEY CENTER 92082	CARLSBAD	904.63	Nursery/Greenhouse	NO	NO
112	DM COLOR EXPRESS #1	660 PUERTA DE LOMAS, FALLBROOK 92028	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
113	DM COLOR EXPRESS #2	2294 WINTER HAVEN RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
114	DONS PALMS	30146 COOL VALLEY LANE, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
115	DOS AMIGOS NURSERY	2931 SOLAR LN, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
116	DRAGON WIND FARM, INC	29837 VALLEY CENTER RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
117	DURLING NURSERY INC #1	40401 DELUZ RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
118	DURLING NURSERY INC #2	41500 DE LUZ RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	YES	NO
119	E & K NURSERY	1317 WASHINGTON ST, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
120	EAST BROS GROVE SERVICE	112 E AVIATION RD, FALLBROOK 92028	SANTA MARGARITA	902.13	Pest Control Business	NO	NO
121	EAST WEST TREES #1	2416 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	YES	NO
122	EAST WEST TREES #2	1719 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
123	EL CAJON CEMETERY	2080 DEHESA RD, EL CAJON 92019	SAN DIEGO RIVER	907.13	Cemetery	NO	NO
124	EL PLANTIO NURSERY #1	1322 SAN PASQUAL VALLEY, ESCONDIDO 92025	SAN DIEGUITO	905.24	Nursery/Greenhouse	NO	NO
125	EL PLANTIO NURSERY #2	1259 IDAHO AVE, ESCONDIDO 92027	SAN DIEGUITO	905.24	Nursery/Greenhouse	NO	NO
126	ELLANDELL GROWERS	3732 TWIN OAKS CREST DR, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
127	ELLIS FARMS	18162 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
128	EMERALD M GROWERS #1	136 RANGER RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
129	EMERALD M GROWERS #2	END OF FOXFIRE RD APN 1043510400, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
130	EPICACTI	5051 2ND STREET, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
131	ESCONDIDO GREENHOUSES	1208 SUNRISE MT DR, ESCONDIDO 92025	CARLSBAD	904.62	Nursery/Greenhouse	NO	NO
132	ESQUEDAS CREATIONS	1795 VALE TERRACE DRIVE, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
133	EUROAMERICAN PROPAGATORS LLC	32149 AQUADUCT RD, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
134	EVERGREEN DISTRIBUTORS, INC	9617 BLOSSOM VALLEY RD, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	YES	NO
135	EVERGREEN NURSERY #2	14225 HIGHLAND VALLEY RD, ESCONDIDO 92025	SAN DIEGUITO	905.21	Nursery/Greenhouse	NO	NO
136	EVERGREEN NURSERY #4	27200 N BROADWAY, ESCONDIDO 92026	CARLSBAD	904.62	Nursery/Greenhouse	YES	YES
137	EVERGREEN NURSERY #5	10396 W. LILAC RD, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
138	EXECUTIVE LANDSCAPE, INC.	12131 HUFFSTATLER ST, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
139	EXOTICA RARE FRUIT	2508 B EAST VISTA WAY, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
140	FALLBROOK AG PRO, INC.	1149 E MISSION RD, FALLBROOK 92028	SAN LUIS REY	903.12	Pest Control Business	NO	NO
141	FALLBROOK GOLF COURSE INC.	2757 GIRD ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Golf Course	NO	NO
142	FALLBROOK NURSERY	3612 E MISSION RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
143	FALLBROOK PLANT GROWERS	4047 OLIVE HILL RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
144	FAMILY LUCAS NURSERY	2106 VICTORY DRIVE, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO

Attachment 5.7 - Department of Agriculture, Weights Measures Commercial Inventory

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
145	FARM ACW NURSERY	40147 CALLE ROXANNE, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
146	FEREGRINO'S NURSERY #1	1905 CAMINO RAINBOW, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
147	FINNAMEX CORP	2910 RAINBOW GLEN RD, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
148	FOOTHILL TROPICALS	2029 MARILYN LANE, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	YES	NO
149	FOUR QUEENS NURSERY	1578 SAN PASQUAL VALLEY RD, ESCONDIDO 92027	SAN DIEGUITO	905.24	Nursery/Greenhouse	NO	NO
150	FOUR SEASONS NURSERY	15716 DELL VIEW RD, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
151	FRANGIPANI FARMS	1801 REDWING WY, SAN MARCOS 92078	CARLSBAD	904.51	Nursery/Greenhouse	NO	NO
152	FRESH ORIGINS	570 QUARRY RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
153	FRESH ORIGINS #2	2587 N TWIN OAKS VALLEY ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
154	FRESH ORIGINS #3	513 CASSOU ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
155	GANTER NURSERY #1	3016 FRUITLAND DR, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
156	GARDEN GLORIES	1356 DOUGLAS DRIVE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
157	GAVILAN MOUNTAIN SUCCULENTS	42422 VIA DEL GAVILAN, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
158	GEORGE'S EXOTIC PLANTS	40712 ROCK MOUNTAIN, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
159	GILLETTE R J #1	734 RICE CANYON, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
160	GILLETTE R J #2	2547 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
161	GIOVANNI PALM TREE NURSERY	1415 ALTURAS ROAD, FALLBROOK 92028	SANTA MARGARITA	902.13	Nursery/Greenhouse	NO	NO
162	GLEN ABBEY MEMORIAL PARK CEMET	3838 BONITA ROAD, BONITA 91902	SAN DIEGO BAY	909.12	Cemetery	YES	NO
163	GOLDEN ORCHID FARM	5358 8TH STREET, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
164	GOLDEN WOODS NURSERY & LANDSCAPE	29290 LAWRENCE WELK LN, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
165	GOLF CLUB OF CALIFORNIA, THE	3742 FLOWERWOOD LAN, FALLBROOK 92028	SAN LUIS REY	903.12	Golf Course	NO	NO
166	GOOD EARTH NURSERY INC, THE #1	1855 SOUTH ALTURAS ST., FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
167	GOOD EARTH NURSERY INC, THE #2	3570 EAST MISSION RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
168	GOOD EARTH NURSERY INC, THE #3	4000 EAST MISSION ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
169	GOPHER B GONE	2573 TAVERN RD, ALPINE 91901	SAN DIEGO BAY	909.26	Pest Control Business	NO	NO
170	GREBAR GROUNDCOVERS	401 E. PILE, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
171	GREEN ACRES NURSERY INC #1	2600 RAMONA DR, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
172	GREEN CANYON COMPANY	2778 LOS ALISOS NORTH LN, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
173	GREEN LEAF NURSERY	31699 VIA PUERTA DR, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
174	GREEN MEADOW GROWERS	31957 AQUADUCT ROAD, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
175	GREENBRIER LAWN & TREE	3616 BANCROFT DR, SPRING VALLEY 91977	SAN DIEGO BAY	909.12	Pest Control Business	NO	NO
176	GREENWOOD CEMETERY	4300 IMPERIAL AVE, SAN DIEGO 92113	SAN DIEGO BAY	908.22	Cemetery	NO	NO
177	GREGORY PALM FARMS	18048 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
178	GRIGSBY CACTUS GARDENS	2354 BELLA VISTA DR, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
179	GRONDZIK, ROBERT NURSERY	15463 HIGHLAND VALLEY RD, ESCONDIDO 92025	SAN DIEGUITO	905.31	Nursery/Greenhouse	NO	NO
180	GURROLA'S NURSERY	6706 SAN MIGUEL RD, BONITA 91902	SAN DIEGO BAY	909.12	Nursery/Greenhouse	NO	NO
181	GUTIERREZ NURSERY	2268 WARMLANDS AVE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
182	H & P SALES #1 AKA GROWING CONCEP	2022 VICTORY DR, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
183	HANYAK WHOLESALE PALMS #1	3015 FRUITLAND DR, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
184	HANYAK WHOLESALE PALMS #2	END OF FAIRVIEW DR, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
185	HELIX ENVIRONMENTAL CONSTRUCTION GROUP INC.	8963-1/2 TYLER ST., SPRING VALLEY 91977	SAN DIEGO BAY	909.12	Nursery/Greenhouse	NO	NO
186	HENS NEST NURSERY	3550 PICO ROAD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
187	HESKETH GROWERS #1	1416 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
188	HIDDEN VALLEY RANCH NURSERY	3725 HIGHWAY 67, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
189	HINES GROWERS INC #1	2500 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	YES	NO
190	HINES GROWERS INC #2	2903 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
191	HINES GROWERS INC #3	1930 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
192	HONGS FLOWER NURSERY	1966 RICE CANYON RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
193	HORAKH NURSERY #1	30661 VALLEY CENTER RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
194	HORAKH NURSERY #2	30928 VALLEY CENTER RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
195	HORAKH NURSERY #3	16076 VESPER RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
196	HORIZON GROWERS NURSERY	1840 ORANGE AVE, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
197	HUMMELL FARMS	2005 JAMACHA RD, EL CAJON 92019	SAN DIEGO BAY	909.22	Nursery/Greenhouse	YES	NO
198	HUMMINGBIRDS, INC.	16603 VESPER RD, VALLEY CENTER 92082	SAN LUIS REY	903.22	Pest Control Business	NO	NO
199	IBARRA NURSERY	3000 BLACKWELL DR, VISTA 92085	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
200	INDIAN ROCK CYCADS AND PALMS	28969 MOUNTAIN MEADOW ROAD, ESCONDIDO 92026	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
201	IRWIN, JAMES	11406 BETSWORTH RD, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
202	JAMUL NURSERY	12931 CAMPO RD (HWY 94), JAMUL 91935	SAN DIEGO BAY	909.21	Nursery/Greenhouse	YES	NO
203	JASON HAMILTON	10889 SAN GABRIEL WAY, VALLEY CENTER 92082	SAN LUIS REY	903.21	Pest Control Business	NO	NO
204	JAUREGUI NURSERY	30330 VALLEY CENTER ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
205	JAY'S JUNGLE	6483 RAINBOW HTS RD, FALLBROOK 92028	SAN LUIS REY	903.21	Nursery/Greenhouse	NO	NO
206	JD ANDERSEN NURSERY	2790 MARVINGA LANE, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
207	JEFF LORENZ	2045 ESPLENDIDO AVENUE, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
208	JIM DUGGAN FLOWER NURSERY	18531-B ALISO CANYON RD, RANCHO SANTA FE 92067	CARLSBAD	904.61	Nursery/Greenhouse	NO	NO
209	JJ GROWERS	2385 FOOTHILL DR, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
210	JOANIE'S GREENHOUSE	840 OSBORNE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
211	JUAN DIAZ MARISCAL	1004 LA RUEDA ROAD, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
212	JUNGLE JACK'S INC	1145 GOPHER CANYON ROAD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
213	KARTUZ GREENHOUSES	1408 SUNSET DR, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
214	KBD NURSERY	7555 W. LILAC RD, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
215	KENDALL FARMS	4230 WHITE LILAC RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
216	KENTS BROMELIADS # 2	220 OSBORNE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
217	KENTS BROMELIADS # 3	2064 MARILYN LN, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
218	KENTS BROMELIADS # 5	1473 SUNSET DR & 1266 RIDGE RD, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
219	KNIFFINGS DISCOUNT NURSERIES #1	14940 OAK CREEK RD, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
220	KNIFFINGS DISCOUNT NURSERIES #2	15702 OLD HIGHWAY 80, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
221	KONA GARDENS	559 CALLE DE CRISTO, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
222	KUSUMOTO BONSAI NURSERY	4412 BAJA MISSION RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
223	LA COSTA FLOWERSHOP & NURSERY, INC.	20253 ELFIN FOREST RD, ESCONDIDO 92029	CARLSBAD	904.61	Nursery/Greenhouse	NO	NO
224	LA CRESTA TREE COMPANY # 1	1505 RECHE RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
225	LA MESITA NURSERY	124 VISTA MERRIAM, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
226	LA MISSION CACTUS NURSERY	2306 E. MISSION ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
227	LA MISSION CACTUS NURSERY #2	2135 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
228	LA VISTA MEMORIAL PARK	3191 ORANGE STREET, NATIONAL CITY 91950	SAN DIEGO BAY	909.12	Cemetery	NO	NO
229	LARGA VISTA PALMS	2003 ORANGE AVE., RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
230	LAS PILITAS NURSERY	8331 NELSON WAY, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
231	LILAC FARM MANAGEMENT INC	8123 W LILAC ROAD, BONSALL 92003	SAN LUIS REY	903.12	Pest Control Business	NO	NO
232	LIVE OAK NURSERY	2769 ALTA VISTA DR, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
233	LIVE OAK ORCHIDS, INC.	1343 LIVE OAK PARK ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
234	LIVING CYCADS	2124 CAMINO CANTERA, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
235	LLOYD PEST CONTROL	1353 N MAGNOLIA AVENUE, EL CAJON 92021	SAN DIEGO RIVER	907.13	Pest Control Business	NO	NO
236	LOMA VISTA NURSERY	39452 DE LUZ ROAD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
237	LONE OAK RANCHO NURSERY	2319 LONE OAK LANE, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
238	LSM EXECUTIVE COURSE LLC C/O EAT DRINK SLEEP	1556 CAMINO DEL ARROYO, SAN MARCOS 92078	CARLSBAD	904.52	Golf Course	NO	NO
239	MADDOCK NURSERY # 1	1163 RANGER RD., FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
240	MADDOCK NURSERY # 2	SOUTHEND OF STERLING VIEW DR., FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
241	MARILYNNS GARDEN	1881 FUERTE STREET, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
242	MARIO CACTUS & PRODUCE	28438 CEPIN DRIVE, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
243	MARISCAL CACTUS & SUCCULENTS #1	425 GOLDEN RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
244	MARISCAL CACTUS & SUCCULENTS #2	9590 LILAC WALK, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
245	MARTINI RANCH INC	31970 VIA ARARAT DR, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
246	MARTINS NURSERY	4160 S. MISSION RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
247	MARYS GARDEN	610 SUNRISE DRIVE EAST, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	YES	YES
248	MASONIC CEMETERY	1177 SANTA MARGARITA DR, FALLBROOK 92028	SANTA MARGARITA	902.13	Cemetery	NO	NO
249	MATEO'S NURSERY	38091 DE LUZ ROAD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
250	MEADOW LAKE (GOLF COURSE) COUN	10333 MEADOW GLEN WAY E, ESCONDIDO 92026	SAN LUIS REY	903.13	Golf Course	NO	YES
251	MEDINA GREENHOUSES	1923 JAMACHA ROAD, EL CAJON 92019	SAN DIEGO BAY	909.21	Nursery/Greenhouse	NO	NO
252	MI RANCHITO	31532 COLE GRADE RD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
253	MICHELLE PLANT WORLD	15307 VESPER RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
254	MOOSA CREEK NURSERY	11760 BETSWORTH RD, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
255	MORGAN RUN RESORT & CLUB	5690 CANCHA DE GOLF, RANCHO SANTA FE 92091	SAN DIEGUITO	905.11	Golf Course	YES	NO
256	MOUNT WOODSON GOLF CLUB	16422 N WOODSON DRIVE, RAMONA 92065	SAN DIEGUITO	905.41	Golf Course	NO	NO
257	MOUNTAIN VIEW NURSERY	131 EAST VISTA MERRIAM, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
258	MUELLER GREENHOUSES	1524 SUNSET DRIVE, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
259	MULTIFLORA ENTERPRISES	1234 CAPRA WAY, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
260	MYRTLE CREEK NURSERY, LLC	2940 RECHE RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
261	NATIVE GROW NURSERY LP	27201 COOL WATER RANCH RD, VALLEY CENTER 92082	SAN LUIS REY	903.15	Nursery/Greenhouse	NO	NO
262	NATURE DESIGNS LANDSCAPING	116 HANNALEI DRIVE, VISTA 92083	CARLSBAD	904.32	Pest Control Business	NO	NO
263	NATURE'S GROWERS, INC.	15639 VESPER RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
264	NEJAME FERNS	765 MASON ROAD, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
265	NEW WEST NURSERY	1431 HEDIONDA AVE, VISTA 92083	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
266	NIEVES NURSERY	29534 COLE GRADE RD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
267	NISSHO OF CALIFORNIA INC	1902 S SANTA FE AVE, VISTA 92083	CARLSBAD	904.32	Pest Control Business	NO	NO
268	NUEVO MEMORY GARDENS CEMETERY	532 ASH STREET, RAMONA 92065	SAN DIEGUITO	905.41	Cemetery	NO	NO
269	NYLINT EXTERMINATING CO	9966 DOLORES ST 202, SPRING VALLEY 91977	SAN DIEGO BAY	909.12	Pest Control Business	NO	NO
270	OBRA VERDE GROWERS	10916 MYSTERY MOUNTAIN RD, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
271	OLD CASTLE BROS NURSERY	11332 OLD CASTLE RD, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
272	OLIVE HILL GREENHOUSES # 1	3508 OLIVE HILL RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
273	OLIVE HILL GREENHOUSES #2	1990 GREEN CANYON RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
274	ONTARIO ORCHIDS INC	703 POMELO DR, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
275	ORCHIDANICA	1969 E ALVARADO STREET, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
276	PACIFIC GREEN LANDSCAPE INC	8834 WINTER GARDENS BLVD, LAKESIDE 92040	SAN DIEGO RIVER	907.12	Pest Control Business	NO	NO
277	PACIFIC PINES	1838 E ALVARADO ST, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
278	PACIFIC VERDE NURSERY INC	916 OSBORNE ST, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
279	PALA MESA RESORT	2001 OLD HIGHWAY 395, FALLBROOK 92028	SAN LUIS REY	903.12	Golf Course	NO	NO
280	PALM ACRES INC #1	417 BUENA CREEK ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
281	PALM GARDEN RANCH, LLC #1	1248 RANGER RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
282	PALM NURSERY INC. THE	31931 PALOS VERDES DR, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	YES
283	PALM SOUTH NURSERY # 3	919 AUTUMN LEAF DRIVE, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
284	PALM VALLEY RANCH	3235 E. OLD HWY 395, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
285	PALMS FROM FARMER	11237 SAN GABRIEL WAY, VALLEY CENTER 92082	SAN LUIS REY	903.21	Nursery/Greenhouse	NO	NO
286	PALOMAR MESA GROWERS	17501 MESA DRIVE SOUTH, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
287	PARADISE PALMS AND PLANTS #1	19192 VIA CUESTA, RAMONA 92065	SAN DIEGUITO	905.32	Nursery/Greenhouse	NO	NO
288	PARKWAY NURSERY INC	1405 RIDGE ROAD, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
289	PATEL NURSERY	155 N OLDHILL RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
290	PAUMA VALLEY COUNTRY CLUB	15835 PAUMA VALLEY DRIVE, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Golf Course	NO	NO
291	PEACEFIELD FARMS	562 MIMSOA AVE, VISTA 92081	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
292	PERMA GREEN LAWNCARE	3083 SEBASTIAN DR, ALPINE 91901	SAN DIEGO BAY	909.21	Pest Control Business	YES	NO
293	PINE TREE ACRES	620-A HAVERFORD RD, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
294	PLANT ACTIVE #1	1969 MARILYN LN, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
295	PLANT ACTIVE #2 (TWIN OAKS GROWERS)	519 CASSOU ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
296	PLANT HOUSE #2	15250 OAK CREEK RD, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
297	PLANT SOURCE, INC.	2029 SYCAMORE DR, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
298	PLANT TEK INC	20110-B ELFIN FOREST LN, ESCONDIDO 92029	CARLSBAD	904.61	Pest Control Business	NO	NO
299	PLANT WORLD NURSERY INC	26334 MESA ROCK RD, ESCONDIDO 92026	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
300	PLANTS FOR LESS (aka ANA E. RUIZ PEREZ)	312 OSBORNE ST, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
301	PLAYA NURSERY	1450 KEYES PLACE, VISTA 92083	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
302	PLUG CONNECTION	2627 RAMONA DRIVE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
303	PONCIANO ALEJANDRINO	30820 SHADOW LAKE RD, ESCONDIDO 92026	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
304	PONTO NURSERY #1	2545-2505 RAMONA DR., VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
305	PONTO NURSERY #2	2339 BAUTISTA, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
306	POWERLAND EQUIPEMENT INC	27943 VALLEY CENTER RD, VALLEY CENTER 92082	SAN LUIS REY	903.14	Pest Control Business	NO	NO
307	PREMIER COLOR NURSERY	1244 WINTERHAVEN RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
308	PRIMO PALMS	3717 CAZADOR LN, FALLBROOK 92028	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
309	PROGRESSIVE GROWERS INC #1	975 LA RUEDA AV, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
310	PROGRESSIVE GROWERS INC #2	1036 LA RUEDA AV, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
311	PROTEA FARMS OF CALIFORNIA	1175 RIVERVIEW DR, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
312	PROTEA HILLS RANCH	25862 HOLLY AVE, ESCONDIDO 92026	CARLSBAD	904.62	Nursery/Greenhouse	NO	NO
313	R Z NURSERY #1	4915 & 4959 5TH STREET, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	YES	NO
314	R Z NURSERY #2	1855 RAINBOW VALLEY BOULEVARD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
315	RAINBOW ART GARDENS, INC.	3027 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
316	RAINBOW AZALEA FARMS	1540 RAINBOW VALLEY ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
317	RAINBOW SPECIMEN TREE FARM #1	4567 HIGHWAY 76, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
318	RAINBOW SPECIMEN TREE FARM #2	11500 RAINBROOK DR, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
319	RAINBOW SPECIMEN TREE FARM #3	10201 RAINBROOK DR, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
320	RAINBOW TROPICALS	29049 PLEASANT KNOLL LANE, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
321	RAINBOW VALLEY NURSERY CO #1	2855 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
322	RAINBOW VALLEY NURSERY CO #2	1500 RAINBOW VALLEY BLVD., FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
323	RAINBOW VALLEY NURSERY CO #3	5350 E. 8TH ST, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
324	RAINFOREST FLORA INC #1	6920 W LILAC RD, BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
325	RAINFOREST FLORA INC #2	2526 RAINBOW VALLEY BLVD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	YES	NO
326	RAMOS FARMS #1	2596 DOVILLE RANCH RD, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
327	RAMOS FARMS #2	2527 DOVILLE RANCH RD, FALLBROOK 92028	SANTA MARGARITA	902.21	Nursery/Greenhouse	NO	NO
328	RANCHO DEL ORO LANDSCAPE & MAI	216 OSBORNE ST, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
329	RANCHO MEXICO LINDO	12912 RANCHO VISTA CT, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
330	RANCHO MONSERATE COUNTR CLUB	4650 DULIN ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Golf Course	YES	YES
331	RANCHO PALMATUM NURSERY	3819 SILVERLEAF LN, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
332	RANCHO SAN DIEGO NURSERY, INC.	2031 JAMACHA RD, EL CAJON 92019	SAN DIEGO BAY	909.21	Nursery/Greenhouse	YES	NO
333	RANCHO SANTA FE FARMS GOLF COURSE	8500 ST ANDREWS ROAD, RANCHO SANTA FE 92067	SAN DIEGUITO	905.11	Golf Course	YES	NO
334	RANCHO SANTA FE GOLF CLUB	5539 VIA DE LA CUMBRE, RANCHO SANTA FE 92067	CARLSBAD	904.61	Golf Course	NO	NO
335	RANCHO SOLEDAD NURSERY	18539 ALISO CANYON RD, RANCHO SANTA FE 92067	SAN DIEGUITO	905.11	Nursery/Greenhouse	YES	NO
336	RANCHO VALHALLA NURSERY #2	1998 A CHASE AVE, EL CAJON 92020	SAN DIEGO BAY	909.21	Nursery/Greenhouse	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
337	RANCHO VISTA NURSERY, INC	1430 BUENA VISTA DR, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
338	RARE SUCCULENTS	1905 CAMINO RAINBOW, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
339	REDTAIL FARMS INC,	2571 SAN VICENTE ROAD, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
340	REINHOLDS NURSERY	304 N STAGECOACH LN, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
341	RESENDIZ BROS PROTEA GROWERS	5467 RAINBOW CREEK ROAD, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	NO	NO
342	RICE CANYON TROPICALS INC	35064 RICE CANYON RD, FALLBROOK 92028	SAN LUIS REY	903.21	Nursery/Greenhouse	NO	NO
343	ROCKSMITH NURSERY	29229 DUFFWOOD LN, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
344	ROJAS SUCCULENTS AND CACTUS	2005 E ALVARADO STREET, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
345	ROMERO'S NURSERY	9767 CHOCOLATE SUMMIT DRIVE, EL CAJON 92021	SAN DIEGO RIVER	907.31	Nursery/Greenhouse	NO	NO
346	ROSELAND NURSERY #1	2193 GREEN BRIAR DR., FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
347	ROSELAND NURSERY #2	2135 GUMTREE LN, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
348	ROSELAND NURSERY #3	4802 5TH STREET, FALLBROOK 92028	SANTA MARGARITA	902.23	Nursery/Greenhouse	YES	NO
349	ROTE GREENHOUSES #1	2138 TAMARA LN, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
350	ROTE GREENHOUSES #3	3212 N TWIN OAKS, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
351	ROYAL PALM NURSERY	18737 HIGHLAND VALLEY ROAD, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
352	SAN DIEGO GROWERS, INC.	2400 GREEN CANYON ROAD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
353	SAN VICENTE GOLF COURSE	24460 BARONA MESA RD, RAMONA 92065	SAN DIEGO RIVER	907.23	Golf Course	NO	NO
354	SERRA GARDENS	897 QUAIL HILL RD, FALLBROOK 92028	SANTA MARGARITA	902.13	Nursery/Greenhouse	NO	NO
355	SHERMAN NURSERY	751 CASSOU RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
356	SIERRA MADRE TREE FARM #2	15106 LYONS VALLEY RD, JAMUL 91935	SAN DIEGO BAY	910.33	Nursery/Greenhouse	NO	NO
357	SILHOUETTES OF THE DESERT #1	1022 LA RUEDA, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
358	SILHOUETTES OF THE DESERT #2	END OF ROBINHOOD ESTATES, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
359	SILVER MESA NURSERY	1037 BUENA VISTA DRIVE, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
360	SILVERTHORN RANCH #1	1826 SO ALTURAS ST, FALLBROOK 92028	SANTA MARGARITA	902.13	Nursery/Greenhouse	NO	NO
361	SILVERTHORN RANCH #2	1405 E MISSION ROAD, FALLBROOK 92028	SANTA MARGARITA	902.13	Nursery/Greenhouse	NO	NO
362	SINGING HILLS MEMORIAL PARK	2800 DEHESA RD, EL CAJON 92019	SAN DIEGO BAY	909.21	Cemetery	YES	NO
363	SKYLINE RANCH COUNTRY CLUB	18218 PARADISE MTN RD, VALLEY CENTER 92082	CARLSBAD	904.63	Golf Course	NO	NO
364	SOLANA SELECT PALM TREES	NW CORNER OF CREELMAN LN & ASHLEY, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
365	SONRISE GROWERS	976 LA RUEDA RD, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	YES
366	SORENSEN GREENHOUSES OF CA #1	304 W. HAVERFORD RD, RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
367	SORENSEN GREENHOUSES OF CA #2	29942 VALLEY CENTER ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
368	SORENSEN GREENHOUSES OF CA #3	31106 VALLEY CENTER ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
369	SOUTH COAST GROWERS LLC	7807 ARTESIAN ROAD, SAN DIEGO 92127	SAN DIEGUITO	905.11	Nursery/Greenhouse	YES	NO
370	SOUTH COAST TROPICALS	SW CORNER GOLDEN ST AT FALLBROOK ST., FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
371	SOUTHLAND GROWERS	15595 HAWLEY PL, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
372	SPECIALTY PLANTS INC #1	2035 MARILYN LANE, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
373	SPECIALTY PLANTS INC #2	2840 GIST RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
374	SPHAEROID INSTITUTE	845 MASON ROAD, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
375	SSW NURSERY	3811 ROBINHOOD LN, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
376	ST. MARK GOLF AND RESORT, LLC C/O EAT DRINK SLEEP	1750 SAN PABLO DR, SAN MARCOS 92078	CARLSBAD	904.52	Golf Course	YES	NO
377	STEELE CANYON GOLF COURSE	3199 STONEFIELD DRIVE, JAMUL 91935	SAN DIEGO BAY	909.21	Golf Course	NO	NO
378	STEGNER, WILLIAM & LAURA	944 PAHLS WAY, RAMONA 92067	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
379	STEHLY ENTERPRISES INCORPORATE	32013 CAMINITO QUIETO, BONSALL 92003	SAN LUIS REY	903.12	Pest Control Business	NO	NO
380	STEHLY GROVE MANAGEMENT, INC.	28714 VALLEY CTR RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Pest Control Business	NO	NO
381	SUCCULENT STUDIOS	4242 ROSA RANCHO LN, FALLBROOK 92028	SANTA MARGARITA	902.22	Nursery/Greenhouse	NO	NO
382	SUNHILL RANCH	632 ORA AVO DRIVE, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
383	SUNLET NURSERY #1 & #2	3636 & 3731 LUNETA LANE, FALLBROOK 92028	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
384	SUNLET NURSERY #3	4344 OLIVE HILL RD, FALLBROOK 92028	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
385	SUNNY SLOPE TREES	31611 COLE GRADE ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
386	SUNSET VALLEY ORCHIDS	1255 NAVEL PLACE, VISTA 92083	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
387	SUNSHINE GARDENS INC. formerly ELFIN VALLEY NURSERY	20110 ELFIN FOREST LANE, ESCONDIDO 92029	CARLSBAD	904.61	Nursery/Greenhouse	NO	YES
388	SUNSOL NURSERY #2	815 HAMILTON LN, ESCONDIDO 92029	SAN DIEGUITO	905.23	Nursery/Greenhouse	NO	NO
389	SUPER FOUR NURSERY	350 SKYLINE CIRCLE, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
390	T M PALMS AND SHRUBS	1930 HARTWRIGHT RD, VISTA 92084	CARLSBAD	904.52	Nursery/Greenhouse	YES	YES
391	T Y NURSERY INC #1 (YARD 1)	15335 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
392	T Y NURSERY INC #2 (YARD 2)	16342 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
393	T Y NURSERY INC #3 (YARD 3)	16940 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
394	T Y NURSERY INC #4 (YARD 4)	17460 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
395	T Y NURSERY INC #6 (ESCONDIDO)	26130 N. BROADWAY, ESCONDIDO 92026	CARLSBAD	904.62	Nursery/Greenhouse	YES	YES
396	TERRA BELLA NURSERY #1	4354 LYNNWOOD DR., CHULA VISTA 91910	SAN DIEGO BAY	909.12	Nursery/Greenhouse	YES	NO
397	TERRA BELLA NURSERY #2	14930 SHANTEAU DRIVE, EL CAJON 92021	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
398	THOMPSON ENTERPRISES	717 HAVERFORD RD, RAMONA 92065	SAN DIEGUITO	905.51	Nursery/Greenhouse	NO	NO
399	THOMPSON ROSE CO INC	949 CASSOU ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
400	TOMLINSON SELECT NURSERIES	3600 BLUEBIRD CYN, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	NO	NO
401	TONY'S TROPICALS	2586 MAJELLA RD, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
402	TRANSPLANT GROWERS	1925 JAMACHA ROAD, EL CAJON 92019	SAN DIEGO BAY	909.22	Nursery/Greenhouse	NO	NO
403	TREEBEARD LANDSCAPE	3711 S. BONITA ST, SPRING VALLEY 91977	SAN DIEGO BAY	909.12	Pest Control Business	NO	NO
404	TRIPLE R NURSERY	2053 EDGEHILL RD, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	YES
405	TROPIC WORLD NURSERY	26437 N CENTER CITY PKWY, ESCONDIDO 92026	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
406	TROPICAL CONNECTION #1	2921 SOUTH SANTA FE, SAN MARCOS 92069	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
407	TROPICAL CONNECTION #2	2206 EDGEHILL RD, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
408	TROPICAL CONNECTION #3	1704 EASY ST, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
409	TROPICAL CONNECTION #4	450 BUENA CREEK ROAD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
410	TURF MASTER	9479 W LILAC RD, ESCONDIDO 92026	SAN LUIS REY	903.12	Pest Control Business	NO	NO
411	TWIN OAKS NURSERY	2975 N TWIN OAKS VALLEY, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
412	UNCLE MIKES PEST CONTR AKA FLO INC	1715 N 2ND ST STE A, EL CAJON 92021	SAN DIEGO RIVER	907.13	Pest Control Business	NO	NO
413	UNITED PLANT GROWERS	2477 TWIN OAKS VALLEY RD, SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	YES
414	UNITED PLANT GROWERS #1	1054 MAR VISTA DR, VISTA 92081	CARLSBAD	904.31	Nursery/Greenhouse	NO	NO
415	UNITED PLANT GROWERS #3	1959 FRIENDLY DRIVE, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	NO
416	UNYEWAY INC. RTC NURSERIES	2330 MAIN ST., RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
417	UTILITY TREE SERVICE INC	2120 WEST MISSION RD # R, ESCONDIDO 92029	CARLSBAD	904.62	Pest Control Business	NO	NO
418	VALLEY CENTER CACTI #1	12837 HIDEAWAY LAKE RD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
419	VALLEY CENTER CACTI #2	28333 SUNSET RD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
420	VALLEY CENTER CACTI #3	13917 MCNALLEY RD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
421	VALLEY CENTER CEMETERY	28953 MILLER ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.12	Cemetery	NO	NO
422	VALLEY CENTER NURSERY	27455 VALLEY CENTER ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.16	Nursery/Greenhouse	NO	NO
423	VALLEY COLOR GROWERS	1771 KEYES RD., RAMONA 92065	SAN DIEGUITO	905.41	Nursery/Greenhouse	NO	NO
424	VALLEY VISTA KIWI	30211 SPEARHEAD TR, VALLEY CENTER 92082	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
425	VEGA RAUL & CONSUELO	1230 RAINBOW VALLEY, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
426	VENEGAS CREEK ROSES #1	2158 BUENA CREEK ROAD, VISTA 92084	CARLSBAD	904.32	Nursery/Greenhouse	YES	YES
427	VENEGAS CREEK ROSES #2	581 SYCAMORE DR., SAN MARCOS 92069	CARLSBAD	904.53	Nursery/Greenhouse	NO	NO
428	VILLAGE NURSERIES WHOLESALE #1	17325 HIGHWAY 76, PAUMA VALLEY 92061	SAN LUIS REY	903.22	Nursery/Greenhouse	YES	YES
429	VILLAGE NURSERIES WHOLESALE #2	2415 SAN PASQUAL VLY. RD, ESCONDIDO 92025	SAN LUIS REY	903.22	Nursery/Greenhouse	NO	NO
430	VISTA VALLEY COUNTRY CLUB	29354 VISTA VALLEY DRIVE, VISTA 92084	SAN LUIS REY	903.12	Golf Course	NO	NO
431	VISTA VENTURA INC. #1, DBA BOTANICAL PARTNERS	2342 WARMLANDS AVE, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
432	VISTA VENTURA INC. #2, DBA BOTANICAL PARTNERS, OR	2498 MAJELLA RD., VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO

Attachment 5.7 - Department of Agriculture, Weights Measures Commercial Inventory

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSU	FACILITY TYPE	ESA	303(d)
433	VISTA VENTURA INC. #5, DBA BOTANICAL PARTNERS, OR	3745 SILVERLEAF LN, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	YES
434	WALLY'S WORLD NURSERY	15888 OLDE HIGHWAY 80, EL CAJON 92019	SAN DIEGO RIVER	907.14	Nursery/Greenhouse	NO	NO
435	WARNER SPRINGS RANCH RESORT, LLC	31652 HIGHWAY 76, WARNER SPRINGS 92086	SAN LUIS REY	903.31	Golf Course	NO	NO
436	WEEKS XERIC SUCCULENT GARDENS	2629 HUTCHINSON STREET, VISTA 92084	SAN LUIS REY	903.11	Nursery/Greenhouse	NO	NO
437	WELK RESORT SAN DIEGO	8860 LAWRENCE WELK DRIVE, ESCONDIDO 92026	SAN LUIS REY	903.13	Golf Course	NO	NO
438	WENTZS TROPICS	1491 ROCK SPRINGS, ESCONDIDO 92026	CARLSBAD	904.52	Nursery/Greenhouse	NO	YES
439	WEST COAST PROPAGATIONS (PONTO NURSERY)	3998 GRAMMER RD, VISTA 92084	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
440	WESTERN CACTUS GROWERS #1	1860 MONTE VISTA, VISTA 92084	CARLSBAD	904.22	Nursery/Greenhouse	NO	YES
441	WESTERN CACTUS GROWERS #2	9751 W LILAC RD, ESCONDIDO 92026	SAN LUIS REY	903.13	Nursery/Greenhouse	NO	NO
442	WESTERN CACTUS GROWERS #3	26832 COUGER PASS RD, ESCONDIDO 92026	CARLSBAD	904.62	Nursery/Greenhouse	NO	YES
443	WHOLE EARTH ACRE	2704 OLEANDER AVE, VISTA 92081	CARLSBAD	904.32	Nursery/Greenhouse	YES	NO
444	WILLOWBROOK GOLF COURSE	11905 RIVERSIDE DRIVE, LAKESIDE 92040	SAN DIEGO RIVER	907.12	Golf Course	NO	NO
445	WINCHESTER ORCHIDS FARM, INC.	3076 RIDGE CREEK DRIVE, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
446	WINDMILL NURSERY	26740 N BROADWAY, ESCONDIDO 92026	CARLSBAD	904.62	Nursery/Greenhouse	YES	YES
447	WOLLAM GROVE MANAGEMENT, INCORPORATED	31133 CALLE JOYA, BONSALL 92003	SAN LUIS REY	903.12	Pest Control Business	NO	NO
448	WOLLAM GROVE MGMT	9437 WEST LILAC RD, ESCONDIDO 92026	SAN LUIS REY	903.12	Pest Control Business	NO	NO
449	WOODS VALLEY GOLF COURSE	14616 WOODS VALLEY ROAD, VALLEY CENTER 92082	SAN LUIS REY	903.14	Golf Course	NO	NO
450	WORLD CLASS PALMS	4105 SLEEPING INDIAN RD, FALLBROOK 92028	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
451	YASUDA TREE NURSERY	7419 WEST LILAC RD., BONSALL 92003	SAN LUIS REY	903.12	Nursery/Greenhouse	NO	NO
452	YOUR WAY FUMIGATION	9362 CABOT DR, SAN DIEGO 92126	SAN DIEGO RIVER	907.13	Pest Control Business	NO	NO
453	ZOTCO EXTERMINATOR	2426 MILLEGAN LN, VISTA 92084	CARLSBAD	904.32	Pest Control Business	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1	TODD & SONS	502 PEPPER DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
2	LAKESIDE CAFE	12212 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
3	AHI SUSHI	1347 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
4	SUNRISE BOBCAT AND HAULING, INC.	12124 INDUSTRY RD, LAKESIDE, CA 92040-1736	SAN DIEGO RIVER	907.14	Commercial	NO	YES
5	ACE TOWING	1354 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
6	NURSE STUCCO, INC.	12030 SHORT ST, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Commercial	NO	NO
7	HOGAN'S HYDRAULICS	12650 HIGHWAY67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
8	GREEK STYLE CHICKEN	1468 GRAVES AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.12	Commercial	NO	NO
9	HANSON'S LAKESIDE PLANT	10322 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
10	SUBWAY SANDWICHES #4508	2650 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
11	ED HANSON'S MUFFLER SERVICE	3916 N BARCELONA ST, SPRING VALLEY, CA 91977-1630	SWEETWATER	909.12	Commercial	NO	YES
12	WALLY'S WORLD MUFFLERS	771 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
13	7-ELEVEN, INC. #21798	1498 JAMACHA RD, EL CAJON, CA 92019-3752	SWEETWATER	909.21	Commercial	NO	NO
14	DOS PICOS RANCH	15826 MARMAC DR, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
15	E.A. RANCHES	18122 LITTLE PAGE RD, RAMONA, CA 92065	SAN DIEGUITO	905.43	Commercial	NO	NO
16	EL CAPITAN EQUESTRIAN CENTER	12307 WILLOW RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
17	RON'S BRAKE AND TIRE	2560 MAIN ST, RAMONA, CA 92065-2555	SAN DIEGUITO	905.41	Commercial	NO	NO
18	SHELL	2411 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
19	PARAMOUNT FIRE SYSTEMS, INC.	8069 WING AVE, EL CAJON, CA 92020-1245	SAN DIEGO RIVER	907.14	Commercial	NO	NO
20	MAIN STREET AUTO CARE	2317 MAIN ST, RAMONA, CA 92065-2507	SAN DIEGUITO	905.41	Commercial	NO	NO
21	PILOT TRAVEL CENTERS #343	1497 PIPER RD, SAN DIEGO RIVER, CA 92154	TIJUANA	911.12	Commercial	NO	NO
22	SUNSHINE SUMMIT INC.	35230 HWY 79, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO
23	CHEVRON EXTRA MILES-RAMONA	802 MAIN ST, RAMONA, CA 92065-1932	SAN DIEGUITO	904.51	Commercial	NO	NO
24	RAMCO PETROLEUM #3	447 TECATE RD, TECATE, CA 91980	TIJUANA	911.81	Commercial	NO	NO
25	DONUT'S AVE.	8575 LOS COCHES RD 03, EL CAJON, CA 92021-8807	SAN DIEGO RIVER	907.14	Commercial	NO	NO
26	MODERN MASONRY	1168 GREENFIELD DR, EL CAJON, CA 92021-3314	SAN DIEGO RIVER	907.13	Commercial	NO	NO
27	RAFA'S MEXICAN FOOD & SEAFOOD	566 PARAISO AVE, SPRING VALLEY, CA 91977-6039	SWEETWATER	909.21	Commercial	NO	NO
28	7-ELEVEN #15070	10777 JAMACHA BLVD, SPRING VALLEY, CA 91978-1804	SWEETWATER	909.21	Commercial	NO	NO
29	A & B SAW & LAWNMOWER SHOP	10830 SR-67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
30	SUN VALLEY BODY & PAINT	0 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
31	SUPERIOR AUTOMOTIVE	1034 B ST, RAMONA, CA 92065-2133	SAN DIEGUITO	905.41	Commercial	NO	NO
32	SOUTHLAND ENVELOPE	1011 RIVERFORD RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
33	JACK WILLIAMS AUTO BODY/PAINT	1336 N MAGNOLIA AVE, EL CAJON, CA 92020-1620	SAN DIEGO RIVER	907.13	Commercial	NO	NO
34	PEPPER CREEK EQUINE CENTER	385 CREELMAN LN, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
35	STEADFAST TIRE & WHEEL CO.	9415 JAMACHA BLVD, SPRING VALLEY, CA 91977-5058	SWEETWATER	909.21	Commercial	NO	YES
36	JACK IN THE BOX	12155 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
37	MD AUTO REPAIR & TIRES, INC.	8750 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
38	VICTOR'S AUTO REPAIR	9070 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
39	RICH AUTO CARE	8811 JAMACHA RD, SUITE# D, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
40	KMART	1811 MAIN ST, RAMONA, CA 92065-2521	SAN DIEGUITO	905.41	Commercial	NO	NO
41	MCDONALDS	5565 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
42	ARCO AM/PM - PRESTIGE STATIONS #5277	5555 S MISSION RD, BONSALL, CA 92003-3600	SAN LUIS REY	903.12	Commercial	NO	NO
43	JD COLLISION CENTER, INC.	8730 - 8750 JAMACHA RD, SPRING VALLEY, CA 91977-4011	SWEETWATER	909.12	Commercial	NO	YES
44	FALLBROOK EQUIPMENT RENTALS	235 W COLLEGE ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
45	PETRO AUTO CARE	8730 JAMACHA RD, SPRING VALLEY, CA 91977-4011	SWEETWATER	909.12	Commercial	NO	YES
46	ATLAS PUMPING SERVICE	12740 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Industrial	NO	YES
47	AUTO SMOG CENTER	3691 VIA MERCADO, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
48	RE-NU AUTO BODY	608 CONCEPCION AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
49	DON JILBERTO MEXICAN FOOD	9569 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	NO
50	CHEVRON #93694	9749 CAMPO RD, SPRING VALLEY, CA 91977-1416	SWEETWATER	909.12	Commercial	NO	NO
51	COUNTRY TIRE AND AUTO	2317 MAIN ST, SUITE# B, RAMONA, CA 92065-2507	SAN DIEGUITO	905.41	Commercial	NO	NO
52	RAMONA MOTOR WORKS	2317 MAIN ST, SUITE# D, RAMONA, CA 92065-2507	SAN DIEGUITO	905.41	Commercial	NO	NO
53	SAN DIEGO RIVER COUNTRY ESTATES #1	16911 GUNN STAGE RD, RAMONA, CA 92065	SAN DIEGO RIVER	907.23	Commercial	NO	NO
54	SAN DIEGO RIVER COUNTRY ESTATES #2	15910 AVENEL LN, RAMONA, CA 92065	SAN DIEGO RIVER	907.23	Commercial	NO	NO
55	HAN'S AND HARRY'S BAKERY	5080 BONITA RD B3, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
56	RAMONA BODY SHOP	543 MAIN ST, RAMONA, CA 92065-2041	SAN DIEGUITO	905.41	Commercial	NO	NO
57	RISTORANTE ARRIVEDERCI	2963 JAMACHA RD, SUITE# A, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
58	SEALRIGHT PAVING	9010 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
59	MERCADO INTERNACIONAL 2000	9573 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	NO
60	KFC / TACO BELL #Y450093	8330 PARADISE VALLEY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
61	LUIS AND SONS TOWING	9006 JAMACHA RD, SPRING VALLEY, CA 91977-4101	SWEETWATER	909.12	Commercial	NO	YES
62	FERGUSON FIRE & FABRICATION, INC.	1710 MAGNOLIA AVE, SUITE# 101, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
63	TOM RUSSELL'S AUTO REPAIR CENTER	10012 CASA DE ORO BLVD, SUITE# C, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
64	CERTIFIED TIRE & SERVICE CENTERS	10050 CAMPO RD, SUITE# B, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
65	LAKESIDE RADIATOR & AUTO REPAIR	9764 LOS COCHES RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
66	Danny's Truck & Auto	729 D ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
67	STARS PETROLEUM	1910 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
68	CAFÉ 67	12381 MAPLEVIEW ST, LAKESIDE, CA 92040-1737	SAN DIEGO RIVER	907.12	Commercial	NO	NO
69	RAINBOW OAKS MARKET	4811 05TH AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
70	RALLY'S	8667 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
71	ALBERTSONS #6723	9831 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
72	RANCHO SAN DIEGO RIVER 76	11906 CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
73	A. M. ORTEGA	10125 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
74	ECCO EQUIPMENT CORPORATION	12211 S.R. 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
75	F&H AUTO REPAIR AND BODY SHOP	9451 JAMACHA BLVD A-C, SPRING VALLEY, CA 91977-5059	SWEETWATER	909.21	Commercial	NO	NO
76	GLENN'S AUTOMOTIVE	2344 HIGHWAY 67, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
77	ACTION AUTO CARE CENTER	807 D ST, RAMONA, CA 92065-2331	SAN DIEGUITO	905.41	Commercial	NO	NO
78	SUBWAY	5523 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
79	ROBERTO'S TACO SHOP	12401 WOODSIDE AVE, LAKESIDE, CA 92040-3017	SAN DIEGO RIVER	907.14	Commercial	NO	NO
80	K & B AUTO CENTER	9317 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
81	BISHER'S QUALITY MEATS	2330 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
82	T&G AUTO CARE	10012 CASA DE ORO BLVD, SUITE# B, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
83	SCW CONTRACTING	2525 OLD HIGHWAY 395, FALLBROOK, CA 92028	SANTA MARGARITA	902.23	Industrial	YES	NO
84	ARCO FACILITY NO. 1783	1015 MAIN ST, RAMONA, CA 92065-2120	SAN DIEGUITO	905.41	Commercial	NO	NO
85	RAMONA VALERO	1210 MAIN ST, RAMONA, CA 92065-2125	SAN DIEGUITO	905.41	Commercial	NO	NO
86	ARCO-AM/PM	13886 CAMPO RD, JAMUL, CA 91935-3210	OTAY	910.36	Commercial	NO	NO
87	ANDREWS ALIGNMENT & BRAKE	9415 JAMACHA BLVD, SPRING VALLEY, CA 91977-5058	SWEETWATER	909.21	Commercial	NO	YES
88	BRAVO'S ENGINE REBUILDERS	9450 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
89	AHERN RENTALS	10529 VINE ST, BLDG#, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
90	PATTERSON BROTHERS LIGHTING, INC.	12047 RIVERSIDE DR, LAKESIDE, CA 92040-2328	SAN DIEGO RIVER	907.12	Commercial	NO	NO
91	CLEANING SYSTEM SPECIALISTS, INC. (PRESSURE WASHER)	10821 AIRPORT DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
92	ROSE AUTOMOTIVE REPAIR	9450 JAMACHA BLVD, SPRING VALLEY, CA 91977-5056	SWEETWATER	909.12	Commercial	NO	NO
93	SPRING VALLEY AUTOMOTIVE	9518 JAMACHA BLVD, SPRING VALLEY, CA 91977-5140	SWEETWATER	909.21	Commercial	NO	NO
94	RANCHO EAST	18547 ALISO CANYON RD, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
95	CONSTRUCTION FOAM CONTRACTORS INC.	2570 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
96	CHEERS OF RAMONA	0 HIGHWAY 67, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
97	MARLEN'S TACO SHOP	8903 - 8921 JAMACHA RD, SPRING VALLEY, CA 91977-4133	SWEETWATER	909.12	Commercial	NO	NO
98	PALA MESA MARKET	3235 S HIGHWAY 395, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
99	KAMP'S PROPANE	1000 OLIVE ST, RAMONA, CA 92065-1821	SAN DIEGUITO	905.41	Commercial	NO	NO
100	JACK IN THE BOX #3033	14039 OLD HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
101	LAKESIDE MUFFLER & WELDING	12461 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
102	LAKESIDE PAINT & BODYSHOP	9786 LOS COCHES RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
103	QUALITY RECYCLING	10027 VINE ST, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
104	STAGE STOP LIQUOR	578 MAIN ST, RAMONA, CA 92065-2042	SAN DIEGUITO	905.41	Commercial	NO	NO
105	ARCO #9595	9108 CAMPO RD, SPRING VALLEY, CA 91977-1115	SWEETWATER	909.12	Commercial	NO	NO
106	PRECISION TRANSMISSIONS & AUTOMOTIVE	10012 CASA DE ORO BLVD, SUITE# A, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
107	COSTELLO'S AUTO REPAIR	516 W AVIATION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
108	FLYING C FARM	17180 BEAR VALLEY LN, ESCONDIDO, CA 92027	CARLSBAD	904.63	Commercial	NO	NO
109	MILLER'S TOWING	15275 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	YES	NO
110	KFC #C191015	5080 BONITA RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
111	MARCK MOTORS BODY SHOP	791 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
112	RAPID TRANSFER XPRESS	10100 AIRWAY RD, SAN DIEGO RIVER, CA 92154	TIJUANA	911.12	Commercial	NO	NO
113	GIANT PIZZA KING	5035 CENTRAL AVE A-F, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
114	A.C.E. EQUIPMENT RENTAL AND REPAIR, INC.	1230 OLIVE ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
115	BAKER'S RAMONA AUTO DIVERSITIES	318 - 324 7TH ST, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.41	Commercial	NO	NO
116	ALL ABOUT FUN RV RENTAL	0 HIGHWAY 67, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
117	CHRISTIANSEN AMUSEMENTS	538 MAPLE ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
118	CHARLEY TUTTLE'S CUSTOM WELDING & FABRICATION	8087 LILAC RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Industrial	NO	NO
119	RAINBOW VALLEY ORCHARD	5113 5TH ST, FALLBROOK, CA 92028-9795	SANTA MARGARITA	902.23	Commercial	NO	NO
120	BACH ENTERPRISES	418 TECATE RD, TECATE, CA 91980	TIJUANA	911.81	Commercial	NO	NO
121	SOUTHWEST TRAILER SALES	0 HIGHWAY 67, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
122	NOE ALVAREZ AUTOMOTIVE REPAIR	2534 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
123	RAINBOW OAKS RESTAURANT	4815 05TH ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
124	FAIRMOUNT AUTOS REPAIR AND SMOG	9366 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
125	ALBERTSONS	1259 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
126	ALL AMERICAN KTM MOTOSPORT	872 MAIN ST, RAMONA, CA 92065-1932	SAN DIEGUITO	905.41	Commercial	NO	NO
127	COUNTY PROFLAME	15289 HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.12	Commercial	NO	NO
128	SOUTHWEST STANDARD EQUIPMENT	440 INDUSTRIAL ST, TECATE, CA 91980	TIJUANA	911.81	Commercial	NO	NO
129	SAN DIEGO RIVER POWDER & PROTECTIVE COATINGS	1702 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
130	PACIFIC SAW & LAWNMOWER	1939 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
131	JERRY'S B STREET CAR WASH	1017 B ST, RAMONA, CA 92065-2132	SAN DIEGUITO	905.41	Commercial	NO	NO
132	LION COMPLETE AUTO AND TIRES, INC.	8935 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
133	C&V AUTO REPAIR & BODY	9202 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
134	RAMCO FUEL MARKET	741 HIGHWAY 78, RAMONA, CA 92065-5019	SAN DIEGUITO	905.41	Commercial	NO	NO
135	7-ELEVEN, INC. #13575	10049 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
136	ARCO AM/PM-YOUSSEF	9065 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
137	GARRETTS SMOG	821 RANCHO SANTA FE RD, SAN MARCOS, CA 92078-4638	CARLSBAD	904.52	Commercial	NO	NO
138	LEONARD GRAPE PROPERTY OWNER	10215 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
139	EXXON MOBILE #11445	4730 HWY 76, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
140	LOVEACRES #1	35490 SR-79, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
141	AMERICAN ASPHALT AND CONCRETE	9011 MEMORY LN, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
142	TC MOTORS	9020 CAMPO RD, SPRING VALLEY, CA 91977-1111	SWEETWATER	909.12	Commercial	NO	YES
143	MEDINA'S TIRES AND RIMS	9080 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
144	LOVEACRES #2	26405 PARADISE VALLEY RD, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO
145	GRABLE'S AUTO WHOLE SALE	1027 GREENFIELD DR, EL CAJON, CA 92021-9101	SAN DIEGO RIVER	907.13	Commercial	NO	NO
146	ACCURATE AUTOMOTIVE MACHINE	8929 GARDENA WAY, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
147	SAN DIEGO RIVER SUPERCHARGERS	11982 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
148	VOLVO CONSTRUCTION EQUIPMENT & SERVICES	12345 MAPLEVIEW ST, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
149	GREENFIELD RE-CYCLING	1235 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
150	SOLID ROCK AUTO	1202 LYONS LN, EL CAJON, CA 92021-4703	SAN DIEGO RIVER	907.13	Commercial	NO	NO
151	WOODSIDE AUTOMOTIVE	9804 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Commercial	NO	YES
152	INSTITUTIONAL CABINET & MILLWORK, INC.	9338 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
153	PETROCHEM MANUFACTURING, INC.	15315 OLDE HIGHWAY 80, EL CAJON, CA 92021-2408	SAN DIEGO RIVER	907.14	Commercial	NO	NO
154	WORKING CLASS AUTO REPAIR	10010 CASA DE ORO BLVD, SUITE# B, SPRING VALLEY, CA 91977-1743	SWEETWATER	909.12	Commercial	NO	YES
155	CIRCLE K #9475	2903 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
156	LA MESA AUTOMOTIVE & ALIGNMENT	3691 VIA MERCADO, SUITE# 3, LA MESA, CA 91941-8301	SWEETWATER	909.21	Commercial	NO	NO
157	EL CHAVO AUTO REPAIR SHOP	2501 GRANGER AVE, SUITE# A, NATIONAL CITY, CA 91950	SWEETWATER	909.12	Commercial	NO	YES
158	ESTRELLA'S RESTAURANT AND CANTINA	129 MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
159	LEONARD GRAPE PROPERTY OWNER	12118 INDUSTRY RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
160	OAKRIDGE FARM	8960 DETWILER RD, RANCHO SANTA FE, CA 92067	CARLSBAD	904.61	Commercial	NO	NO
161	PETCO #561	2512 JAMACHA RD, EL CAJON, CA 92019-4363	SWEETWATER	909.21	Commercial	NO	NO
162	MARCO CRANE & RIGGING COMPANY	10168 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
163	J.P. GUNITE	11313 MAST BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Commercial	NO	YES
164	CHUCK GREEN & ASSOCIATES, INC.	12211 HIGHWAY 67, LAKESIDE, CA 92040-1105	SAN DIEGO RIVER	907.12	Commercial	NO	YES
165	MEGA ENGINEERING	12215 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
166	PEPPEROCK FARMS	12570 OLD CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
167	PINE CREEK HORSE RESORT	28638 OLD HIGHWAY 80, PINE VALLEY, CA 91962	TIJUANA	911.41	Commercial	NO	NO
168	PINEDALE RANCH	23512 BELL BLUFF TRUCK TRL, ALPINE, CA 91901-3301	TIJUANA	909.31	Commercial	NO	NO
169	VAN'S AUTOMOTIVE	10813 AIRPORT DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
170	KIRK'S RADIATOR	1754 MAGNOLIA AVE, EL CAJON, CA 92020-1244	SAN DIEGO RIVER	907.13	Commercial	NO	NO
171	MPI	1604 N MAGNOLIA AVE, SUITE# 130, EL CAJON, CA 92020-1242	SAN DIEGO RIVER	907.13	Commercial	NO	NO
172	COUNTRY JUNCTION	29115 VALLEY CENTER RD, VALLEY CENTER, CA 92082-6553	SAN LUIS REY	903.16	Commercial	NO	NO
173	7-ELEVEN	14110 OLD HIGHWAY 80, EL CAJON, CA 92021-2878	SAN DIEGO RIVER	907.13	Commercial	NO	NO
174	HUGHES EQUIPMENT REPAIR, INC.	9125 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
175	CAL WESTERN BOAT MOVERS AND STORAGE	290 VERNON WAY, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
176	RANAS MEXICO CITY CUISINE	9683 CAMPO RD, SPRING VALLEY, CA 91977-1255	SWEETWATER	909.12	Commercial	NO	NO
177	AUTOMOTIVE SPECIALIST	29030 LILAC RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	YES
178	DAVE'S VC AUTOMOTIVE	29010 LILAC RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	YES
179	PALA VISTA GAS STATION	29200 VALLEY CENTER RD, VALLEY CENTER, CA 92082-6201	SAN LUIS REY	903.16	Commercial	NO	NO
180	NEAL ELECTRIC	13250 KIRKHAM WAY, POWAY, CA 92064-7115	SAN DIEGO RIVER	907.13	Commercial	NO	YES
181	NUEVO GRILL	1413 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
182	FINE LINE FOODS	14424 BOND CT, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
183	PINE VALLEY AUTO REPAIR	2556 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
184	PEPPERTREE BAR & GRILL	14019 SR-94, JAMUL, CA 91935	OTAY	910.33	Commercial	NO	NO
185	PIO PICO RV RESORT & CAMPGROUND	14615 OTAY LAKES RD, JAMUL, CA 91935	OTAY	910.36	Commercial	NO	NO
186	COMPOSITE CONCEPTS	2244 S SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Industrial	NO	YES
187	FALLBROOK PRINTING	504 E ALVARADO ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
188	PORTABLE STORAGE OF SAN DIEGO RIVER	3407 BANCROFT DR, SPRING VALLEY, CA 91977-2204	SWEETWATER	909.12	Commercial	NO	NO
189	DIXIELINE LUMBER	3607 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Industrial	NO	NO
190	DONUT STOP	1418 MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
191	ROBERTITO'S	1382 S. MISSION RD, FALLBROOK 92028	SAN LUIS REY	903.12	Commercial	NO	NO
192	EL CAJON PLUMBING & HEATING SUPPLY CO.	1655 N MAGNOLIA AVE, EL CAJON, CA 92020-1241	SAN DIEGO RIVER	907.13	Commercial	NO	NO
193	STARBUCKS COFFEE COMPANY	3759 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
194	BEST DONUT	4636 AVOCADO BLVD, LA MESA, CA 91941-7134	SWEETWATER	909.21	Commercial	NO	NO
195	STARBUCKS COFFEE	5030 BONITA RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
196	LUCKY DONUTS	1466 GRAVES AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
197	SOMBRERO MEXICAN FOOD	1522 GRAVES AVE, EL CAJON, CA 92021-2992	SAN DIEGO RIVER	907.13	Commercial	NO	NO
198	7-ELEVEN FOOD STORE #17637	1522 GRAVES AVE, EL CAJON, CA 92021-2992	SAN DIEGO RIVER	907.13	Commercial	NO	NO
199	CALYPSO	975 GREENFIELD DR, EL CAJON, CA 92021-3219	SAN DIEGO RIVER	907.13	Commercial	NO	NO
200	GREENFIELD PLAZA LIQUOR	1101 GREENFIELD DR, EL CAJON, CA 92021-3315	SAN DIEGO RIVER	907.13	Commercial	NO	NO
201	RAMONA USD	820 8TH ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
202	MEADOWS DELI MARKET	10326 MEADOW GLEN WAY, ESCONDIDO, CA 92026-6917	SAN LUIS REY	903.13	Commercial	NO	NO
203	TRIPLE T/SUPERIOR READY MIX	12494 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
204	RANCHO SANTA FE SNACK BAR	5827 VIA DE LA CUMBRE, RANCHO SANTA FE, CA 92067	CARLSBAD	904.61	Commercial	NO	NO
205	LITTLE CAESARS PIZZA	1101 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
206	RESTAURANT YAMA	1067 S MAIN AVE, FALLBROOK, CA 92028-3338	SANTA MARGARITA	902.13	Commercial	NO	NO
207	DOMINO'S PIZZA	1075 S MISSION RD, FALLBROOK, CA 92028-3228	SANTA MARGARITA	902.13	Commercial	NO	NO
208	SUBWAY SANDWICHES #11888	1105 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
209	FALLBROOK CAFÉ	739 E MISSION RD, FALLBROOK, CA 92028-2216	SANTA MARGARITA	902.13	Commercial	NO	NO
210	BROTHERS AUTO COLLISION CENTER	537 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
211	ALBERTSONS #6758	543 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
212	PEACOCK TOOL & ENGINEERING	9135 HARNESS ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
213	DANNER BOBCAT SERVICE	9158 ROSEDALE DR, SPRING VALLEY, CA 91977-2726	SWEETWATER	909.12	Commercial	NO	YES
214	PROGRESSIVE STEEL FABRICATORS, INC.	9188 HARNESS ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
215	CHAMPION TIRES, INC.	8807 TROY ST, SPRING VALLEY, CA 91977-2638	SWEETWATER	909.12	Commercial	NO	YES
216	SHINAR PIZZA MARKET	340 E BRADLEY AVE, EL CAJON, CA 92021-8994	SAN DIEGO RIVER	907.13	Commercial	NO	NO
217	ASMAR'S AUTO CARE	8621 TROY ST, SPRING VALLEY, CA 91977-2535	SWEETWATER	909.12	Commercial	NO	YES
218	USA #68220	8659 JAMACHA RD, SPRING VALLEY, CA 91977-4007	SWEETWATER	909.12	Commercial	NO	NO
219	DR TRANS	8730 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
220	CREST AUTO REPAIR	128 LA CRESTA RD, EL CAJON, CA 92021-3766	SAN DIEGO RIVER	907.13	Commercial	NO	NO
221	AG AUTO AND TRUCK	1245 N 1ST ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
222	PRESTIGE II AUTO RECONDITIONING	312 13TH ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
223	TARANTINO VINCE & SONS	3949 KENWOOD DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
224	EL PUERTO MEXICAN FOOD	2836 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
225	TARGET	2911 JAMACHA RD, EL CAJON, CA 92019-4342	SWEETWATER	909.12	Commercial	NO	NO
226	MARK'S METALS	1988 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Industrial	NO	YES
227	NAYO'S COMPLETE AUTO REPAIR	8738 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
228	D & R CRANE, INC.	1324 MAGNOLIA AVE, EL CAJON, CA 92020-1620	SAN DIEGO RIVER	907.13	Commercial	NO	NO
229	E&E TRANSPORTATION INC	2120 SAN VICENTE RD, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
230	JULIAN TEA & COTTAGE ARTS	2124 3RD ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
231	LAS PARRILLAS	2451 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
232	FAIRBANKS RANCH RIDING CLUB	0 CIRCA DEL NORTE, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
233	R GOODWATER RANCH	11452 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
234	RANCHO BALLENA	19320 RANCHO BALLENA LN, RAMONA, CA 92065-5400	SAN DIEGUITO	905.45	Commercial	NO	NO
235	SDCEA SNACKSHACK	24157 SAN VICENTE RD, RAMONA, CA 92065-4166	SAN DIEGUITO	905.00	Commercial	NO	NO
236	CUSTOM AIRCRAFT PARTS	14368 OLDE HIGHWAY 80 A, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
237	H & E ENGINEERING	14470 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
238	WAX ON WAX OFF	6089 LA FLECHA, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
239	DESCANSO JUNCTION RESTAURANT	8306 SR-79, DESCANSO, CA 91916	SWEETWATER	909.31	Commercial	NO	NO
240	PAPA BEARS RESTAURANT	27356 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
241	LE BISTRO	119 N MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
242	WEBBS RV SUPPLY	10030 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
243	SWEETWATER CHEVRON	1999 SWEETWATER RD, NATIONAL CITY, CA 91950-7694	SWEETWATER	909.12	Commercial	NO	NO
244	RANCH MARKET	2025 HARBISON CANYON RD, EL CAJON, CA 92019-1300	SWEETWATER	909.23	Commercial	NO	NO
245	JACK IN THE BOX	2461 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
246	SUN BAR FARM	11315 SANTA MARIA AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
247	WILDWOOD RESTAURANT	1415 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
248	VALLEY CENTER OIL CORPORATION	28010 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
249	CIRCLE K - #2970	704 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
250	SAN DIEGO RIVER RAILWAY MUSEUM	916 SHERIDAN RD, CAMPO, CA 91906	TIJUANA	911.82	Commercial	NO	NO
251	BURGER KING	825 S MAIN AVE, FALLBROOK, CA 92028-3321	SANTA MARGARITA	902.13	Commercial	NO	NO
252	MCDONALD'S	1050 S MAIN AVE, FALLBROOK, CA 92028-3324	SANTA MARGARITA	902.13	Commercial	NO	NO
253	CARL'S JR #886	1137 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
254	ALBETO'S TACO SHOP	12510 LAKESHORE DR, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
255	JAMUL-DULZURA UNION SCHOOL DISTRICT	14581 LYONS VALLEY RD, JAMUL, CA 91935	OTAY	910.33	Industrial	NO	NO
256	TDM FOODS	2504 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
257	IN LINE COLLISION SPECIALIST	1445 N MAGNOLIA AVE, EL CAJON, CA 92020-1659	SAN DIEGO RIVER	907.13	Commercial	NO	NO
258	RAZOR'S EDGE	23820 JAPATUL VALLEY RD, ALPINE, CA 91901	TIJUANA	911.30	Commercial	NO	NO
259	KIRIN KENNELS	645 ALPINE HEIGHTS RD, ALPINE, CA 91901	SWEETWATER	909.26	Commercial	NO	NO
260	GRANITE CONSTRUCTION - ROSEMARY'S MOUNTAIN	5606 PALA RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Industrial	YES	NO
261	THE TRAILER CENTER, INC.	27421 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
262	IDEAL CABINETS	2244 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Industrial	NO	YES
263	LEON CATERING	1526 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
264	BUENA VISTA LIQUOR	1526 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
265	LAS HADAS MEXICAN RESTAURANT	1984 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
266	BURGER KING #4655	10130 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
267	JERRY'S CUSTOM CABINETS	1251 ALTURAS RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
268	SAN DIEGO RIVER PAPER BOX COMPANY	10605 JAMACHA BLVD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
269	SHOOTERS COCKTAIL	10761 JAMACHA BLVD, SPRING VALLEY, CA 91978-1811	SWEETWATER	909.21	Commercial	NO	NO
270	PERKINS MARKET	24680 VIEJAS BLVD, DESCANSO, CA 91916	SWEETWATER	909.34	Commercial	NO	NO
271	PEP BOYS	8888 JAMACHA BLVD, SPRING VALLEY, CA 91977-5633	SWEETWATER	909.12	Commercial	NO	YES
272	CONVENIENCE RETAILERS LLC	481 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
273	VAGABOND ENTERPRISES CORP.	36374 MONTEZUMA VALLEY RD, RANCHITA, CA 92066	SAN LUIS REY	903.31	Industrial	NO	NO
274	TERRY'S HAY AND GRAIN	27350 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
275	AXELGAARD MFG. CO. LTD.	999 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
276	ROSA'S MEXICAN RESTAURANT	1075 S. MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
277	SUPERIOR READY MIX--RAMONA	940 OLIVE ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
278	HAWTHORNE LIFT SYSTEMS	10930 WILLOW CT, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Industrial	NO	NO
279	COTTON CANDY DINER	939 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
280	D'CARLOS	1347 MAIN ST, RAMONA, CA 92065-2126	SAN DIEGUITO	905.41	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
281	CORTEZ MEXICAN FOOD	5517 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
282	VON'S #2365	3681 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
283	VALLEY AUTO REPAIR	3260 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
284	R.D. WALTER TRUCKING, INC.	8448 NELSON WAY, ESCONDIDO, CA 92026	SAN LUIS REY	903.12	Commercial	NO	NO
285	RISING PHOENIX	3927 VALLE DEL SOL, BONSALL, CA 92003	SAN LUIS REY	903.11	Commercial	NO	NO
286	LENG'S CHINESE FOOD	9610 WINTER GARDENS BLVD, LAKESIDE, CA 92040-3980	SAN DIEGO RIVER	907.12	Commercial	NO	NO
287	CARTER KENNELS	8755 WINTER GARDENS BLVD, LAKESIDE, CA 92040-5416	SAN DIEGO RIVER	907.12	Commercial	NO	YES
288	TANGUAY'S RAMONA TRUCK AND AUTO	1939 MAIN ST, SUITE# A, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
289	JIFFY LUBE	1621 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
290	ROY WHEELER AUTO REPAIR	797 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
291	RANSOM BROTHERS LUMBER TRUE VALUE	532 B ST, RAMONA, CA 92065-2030	SAN DIEGUITO	905.41	Commercial	NO	NO
292	FALLBROOK PUBLIC UTILITY DISTRICT	1425 ALTURAS RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
293	STEELE PLUMBING, INC.	1304 PEPPER DR 2ND BLDG, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
294	7-ELEVEN #26651A-2121	10195 RIVERFORD RD, LAKESIDE, CA 92040-2741	SAN DIEGO RIVER	907.12	Commercial	NO	YES
295	ARCO - P.D.L. MINI MARKET	725 02ND ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
296	JNB AUTOMOTIVE	10199 RIVERFORD RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
297	RANCHO AUTO & TRANSMISSION	2946 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
298	PRO-A-LINE & BRAKES	2946 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
299	MEISTER TECH	2946 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
300	HOOLEY'S IRISH PUB	2955 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
301	AUTO HEIM	1236 S MAIN AVE, FALLBROOK, CA 92028-3327	SANTA MARGARITA	902.13	Commercial	NO	NO
302	SOUTHWEST BOULDER AND STONE	2909 RAINBOW VALLEY BLVD, FALLBROOK, CA 92028-8859	SANTA MARGARITA	902.13	Commercial	NO	NO
303	LA CASETA	111 N VINE ST, FALLBROOK, CA 92028-2155	SANTA MARGARITA	902.13	Commercial	NO	NO
304	GREAT CHINA RESTAURANT	835 MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
305	GREEK STYLE CHICKEN	904 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
306	PANDA GARDEN	1055 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
307	ICON ENCLOSURES	8021 WING AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
308	COOPER'S PLUMBING & HEATING	8811 JAMACHA RD, SPRING VALLEY, CA 91977-4123	SWEETWATER	909.12	Commercial	NO	YES
309	JULIAN PIE COMPANY	30240 - 30250 HIGHWAY 78, SANTA YSABEL, CA 92070	SAN DIEGUITO	905.54	Commercial	NO	NO
310	BARNO'S LIQUOR & DELI	2244 S SANTA FE AVE, VISTA, CA 92084-7844	CARLSBAD	904.32	Commercial	NO	NO
311	FRANKS ICE CREAM	2506 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
312	QUAILS INN	1035 LA BONITA DR, SAN MARCOS, CA 92069	CARLSBAD	904.52	Commercial	NO	NO
313	BASKIN ROBBINS	1123 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
314	TACO BELL #3275	1131 MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
315	V F W POST #1924	1175 OLD STAGE RD, FALLBROOK, CA 92028-3463	SANTA MARGARITA	902.13	Commercial	NO	NO
316	ONE STOP EQUIPMENT RENTAL	254 PINE ST, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.41	Commercial	NO	NO
317	SPEEDY'S AUTO DETAILING	2235 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
318	SAN DIEGO RIVER RV CENTER	9398 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
319	EL CAJON AUTO REPAIR	7921 WINTER GARDENS BLVD, EL CAJON, CA 92021-1456	SAN DIEGO RIVER	907.13	Commercial	NO	NO
320	MILLER MACHINE	353 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
321	PEPPER KNOLL FARM	14486 RIOS CANYON RD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
322	JEB SAND AND GRAVEL	25125 LAKE WOHLFORD RD, ESCONDIDO, CA 92027	CARLSBAD	904.62	Industrial	YES	YES
323	PUERTO NUEVO	909 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
324	COLD STONE CREAMERY	925 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
325	TRUPIANO'S ITALIAN BISTRO	945 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
326	LAS BRISAS	1105 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
327	THE MAIN STREET BROILER	1019 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
328	LAKE CUYAMACA RECREATION AND PARK DISTRICT	15027 SR-79, JULIAN, CA 92036	SAN DIEGO RIVER	907.43	Commercial	NO	NO
329	SUN POOL-N-SPA SUPPLY	9716 LOS COCHES RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
330	EQUIPMENT STORAGE YARD	13244 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
331	CRAZY COW	4354 - 4360 JULIAN HWY, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
332	ARBY'S	12136 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
333	ARCO FACILITY NO. 9573	1518 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
334	ALL STAR GLASS	1308 N MAGNOLIA AVE, SUITE# A, EL CAJON, CA 92020-1675	SAN DIEGO RIVER	907.13	Commercial	NO	NO
335	HEALTH GRUB	1860 JOE CROSSON DR, EL CAJON, CA 92020-1227	SAN DIEGO RIVER	907.13	Commercial	NO	NO
336	BOB'S CRANE SERVICES	12101 SR-67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
337	CREST FOODS	1103 LA CRESTA BLVD, EL CAJON, CA 92021-4004	SAN DIEGO RIVER	907.13	Commercial	NO	NO
338	COURTYARD CAFÉ & TEA ROOM	119 N. MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
339	HERZOG CONTRACTING	9708 PALA RD, PALA, CA 92059	SAN LUIS REY	903.21	Commercial	NO	NO
340	SMITS JERRY	12449 MONTANYA DR, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	YES
341	APRO LLC #17/REGENT GAS	27406 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
342	BAGATELLE FRENCH BAKERY	9738 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
343	FALLBROOK TIRE COMPANY	733 E MISSION RD, FALLBROOK, CA 92028-2216	SANTA MARGARITA	902.13	Commercial	NO	NO
344	DANIEL'S APPLE MARKET	5256 MISSION RD 300-700, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
345	SMITH-LAREDO SPECIALTY SURFACES	561 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
346	JB AUTO REPAIR	1120 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
347	JACK IN THE BOX #3009	5256 S MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
348	LA CARRETA MEXICAN RESTAURANT	1347 TAVERN RD #31, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
349	MEDITERRANEO	1347 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
350	BARRETT JUNCTION CAFE/MERCANTL	1020 BARRETT LAKE RD, DULZURA, CA 91917	TIJUANA	911.23	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
351	TULLOCH RANCH	3971 BUCKMAN SPRINGS RD, PINE VALLEY, CA 91962	TIJUANA	911.60	Commercial	NO	NO
352	PINE VALLEY STORE	28820 OLD HIGHWAY 80, PINE VALLEY, CA 91962-4400	TIJUANA	911.41	Commercial	NO	NO
353	FROSTY BURGER	28823 PINE VALLEY RD, PINE VALLEY, CA 91962	TIJUANA	911.41	Commercial	NO	NO
354	MOUNTAIN MARKET	28914 OLD HIGHWAY 80, PINE VALLEY, CA 91962	TIJUANA	911.41	Commercial	NO	NO
355	SOUTHLAND FABRICATION	411 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
356	RAINBOW WOOD WORKS	526 W AVIATION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
357	EGG MKT & LIQUOR	2202 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
358	J.J AUTOMOTIVE	30924 MISSION RD, BONSALL, CA 92003-6003	SAN LUIS REY	903.12	Commercial	NO	NO
359	ARGO STONE & SUPPLY CO.	30919 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
360	BONSALL FEED & RANCH SUPPLY	30157 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
361	QUALITY RECYCLING	10197 RIVERFORD RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
362	7-ELEVEN #20245C 2121	10133 MAINE AVE, LAKESIDE, CA 92040-3111	SAN DIEGO RIVER	907.12	Commercial	NO	NO
363	DOMINO'S PIZZA	10135 MAINE AVE, LAKESIDE, CA 92040	SWEETWATER	907.12	Commercial	NO	NO
364	A CUT ABOVE CONCRETE CUTTING	12111 LAKESIDE AVE, LAKESIDE, CA 92040-1712	SAN DIEGO RIVER	907.12	Commercial	NO	YES
365	DAIRY QUEEN #18	12260 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
366	CW McGRATH-TUNNEL HILL	13080 HIGHWAY 8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	YES	NO
367	BONSALL VETERINARY CLINIC	6009 W LILAC RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	YES
368	ALIBI ACRES KENNELS	16750 PARADISE MOUNTAIN RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.15	Commercial	NO	NO
369	EDCO DISPOSAL CORPORATION	9005 KENWOOD DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
370	BANCROFT MARKET & LIQUOR	3650 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
371	MAMMA ROSA ITALIAN RESTAURANT	1130 D ST, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.41	Commercial	NO	NO
372	LUCKY CHINESE FAST FOOD	1571 MAGNOLIA AVE, SUITE# 201, EL CAJON, CA 92020-1208	SAN DIEGO RIVER	907.13	Commercial	NO	NO
373	NAYO TOWING	8740 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
374	LOS REYES TIRE SHOP	8740 TROY ST, SPRING VALLEY, CA 91977-2536	SWEETWATER	909.12	Commercial	NO	YES
375	CHUCKS MOBIL AUTO REPAIR	8745 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
376	QWIK KORNER #3	9663 CAMPO RD, SPRING VALLEY, CA 91977-1228	SWEETWATER	909.12	Commercial	NO	NO
377	JESSIE MENDEZ AUTOBODY	1135 GREENFIELD DR, EL CAJON, CA 92021-3315	SAN DIEGO RIVER	907.13	Commercial	NO	NO
378	BUDGET TIRE COMPANY	1184 GREENFIELD DR, EL CAJON, CA 92021-3314	SAN DIEGO RIVER	907.13	Commercial	NO	NO
379	SUPERIOR INDUSTRIAL	1222 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
380	EVAN'S TIRE AND SERVICE CENTERS	1445 N MAGNOLIA AVE, EL CAJON, CA 92020-1659	SAN DIEGO RIVER	907.13	Commercial	NO	NO
381	SHERWIN WILLIAMS	1604 N MAGNOLIA AVE, EL CAJON, CA 92020-1242	SAN DIEGO RIVER	907.13	Commercial	NO	NO
382	BASKIN ROBBINS	3509 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978-1082	SWEETWATER	909.12	Commercial	NO	NO
383	RZ CUSTOM, INC.	202 GREENFIELD DR, SUITE# K, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
384	SEAPORT MEAT COMPANY	2533 FOLEX WAY, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	NO
385	GRACIELA'S TACO SHOP #1	8300 PARADISE VALLEY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
386	TASTY CHINA EXPRESS	8300 PARADISE VALLEY RD, SUITE# 125, SPRING VALLEY, CA 91977-6223	SWEETWATER	909.12	Commercial	NO	NO
387	DITCH WITCH	349 MARSHAL AVE, El CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
388	SERGIO'S AUTO REPAIR	1507 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
389	7-ELEVEN #21800	631 S MAIN AVE, FALLBROOK, CA 92028-2945	SANTA MARGARITA	902.13	Commercial	NO	NO
390	SHELL EQUILON ENT.	1205 S MAIN AVE, FALLBROOK, CA 92028-3328	SANTA MARGARITA	902.13	Commercial	NO	NO
391	PILCHERS QUALITY AUTO REPAIR	1244 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
392	ROACH AUTOMOTIVE	1251 GREENFIELD DR, EL CAJON, CA 92021-3370	SAN DIEGO RIVER	907.13	Commercial	NO	NO
393	PETER'S AUTOMOTIVE & TRANSMISSION	128 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
394	BORJA IMPORT AUTO SERVICES	413 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
395	FALLBROOK TRANSMISSION SERVICE	433 S MAIN ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
396	RON NEELEY AUTOMOTIVE	620 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
397	NORRIS RACING PRODUCTS	15818 MUSSEY GRADE RD, RAMONA, CA 92065-7440	SAN DIEGUITO	905.41	Commercial	NO	NO
398	AUTOMOTIVE	1367 MISSION RD, FALLBROOK, CA 92028-4007	SANTA MARGARITA	902.13	Commercial	NO	NO
399	PHRA RAM 9	3705 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
400	MIKE'S COCKTAILS	629 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
401	DANIEL'S WEST	17718 HIGHWAY 67, RAMONA, CA 92065-7308	SAN DIEGUITO	905.41	Commercial	NO	NO
402	TRU-BLOCK MASONRY	525 PARKBROOK ST, SPRING VALLEY, CA 91977-5738	SWEETWATER	909.12	Commercial	NO	YES
403	RUBIO'S	1664 MAIN ST, RAMONA, CA 92065-5229	SAN DIEGUITO	905.41	Commercial	NO	NO
404	MCDONALD'S	1550 MAIN ST, RAMONA, CA 92065-5239	SAN DIEGUITO	905.41	Commercial	NO	NO
405	STATER BROTHERS #163	1674 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
406	MC DONALD AND WESTERN	28335 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
407	FLUIDTECH PRODUCTS	28325 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Industrial	NO	NO
408	LIFE LINE PACKAGING	1250 PIERRE WAY, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
409	PACIFIC COAST IRON	9038 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
410	DUGGAN'S COLLISION CENTER, INC.	630 GRAND AVE, SPRING VALLEY, CA 91977-5009	SWEETWATER	909.12	Commercial	NO	YES
411	FALLBROOK OIL COMPANY	1208 S MAIN AVE, FALLBROOK, CA 92028-3327	SANTA MARGARITA	902.13	Commercial	NO	NO
412	RPS MOTORSPORTS	2506 S SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
413	COMBAT CONCRETE CUTTING	1308 FERN PL, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
414	BEAR AUTO	1944 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
415	JOBE & SONS CONCRETE CUTTING	2479 S. SANTE FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
416	MORENO'S CURIOS	2514 S. SANTE FE AVE E3 - E5, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
417	APPLE ALLEY BAKERY	2122 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
418	JULIAN MARKET & DELI	2202 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
419	JULIAN GRILLE	2224 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
420	JULIAN PIE CO	2225 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
421	PIVOT COFFEE AND CREAM	9930 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
422	TRU-DUCT INC.	2500 SWEETWATER SPRINGS BLVD, SUITE# 195, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
423	LEOCYNN'S LUMPIA	8360 PARADISE VALLEY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
424	EL CORA MEXICAN RESTAURANT	8415 PARADISE VALLEY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
425	JOE'S CAR STUDIO	1381 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
426	EL JARDIN	1581 S MISSION RD, FALLBROOK, CA 92028-4136	SAN LUIS REY	903.12	Commercial	NO	NO
427	DOMINICKS ITALIAN DELI	1672 MISSION RD, FALLBROOK, CA 92028-4116	SAN LUIS REY	903.12	Commercial	NO	NO
428	EL PARQUE	2659 RECHE RD, FALLBROOK, CA 92028-3722	SAN LUIS REY	903.12	Commercial	NO	NO
429	GARDEN CENTER CAFE	1625 S MISSION RD, FALLBROOK, CA 92028-4111	SAN LUIS REY	903.12	Commercial	NO	NO
430	PIPER'S PUB	9847 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
431	DE ORO MINE CO	9924 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
432	MASONRY UNLIMITED	9977 CRISTOBAL DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
433	MAC CABINETRY	2464 S SANTA FE AVE, SUITE# C, VISTA, CA 92084	CARLSBAD	904.32	Industrial	NO	NO
434	MASTER TECH AUTOMOTIVE SPECIALIST	230 W AVIATION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
435	PAINTED RIVER RANCH	3608 VALLEY VISTA RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
436	PARADISE VALLEY RANCH	26626 PARADISE VALLEY RD, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO
437	PATHFINDER FARM INC	2101 MARILYN LN, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
438	DRAZIL AUTO REPAIR & SERVICE	1223 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
439	QUALITY CLUTCH & TRANSMISSION	1236 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
440	DR. DAVE'S AUTO CARE	902 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
441	WENDY'S	1660 MAIN ST , RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
442	RICE KING (RAMONA)	1140 MAIN ST, RAMONA, CA 92065-2142	SAN DIEGUITO	905.41	Commercial	NO	NO
443	TURKEY INN	716 MAIN ST, RAMONA, CA 92065-2046	SAN DIEGUITO	905.41	Commercial	NO	NO
444	THAT'S AMORE PIZZA	2441 JAMACHA RD, SUITE# 104, EL CAJON, CA 92019-6318	SWEETWATER	909.21	Commercial	NO	NO
445	FROZEN PLUS	2468 VAN NESS AVE, NATIONAL CITY, CA 91950	SWEETWATER	909.12	Commercial	NO	NO
446	STARBUCKS COFFEE #5226	2512 JAMACHA RD, EL CAJON, CA 92019-4363	SWEETWATER	909.21	Commercial	NO	NO
447	ACTION MARKETING	2513 FOLEX WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
448	COZY CORNER	2548 GRANGER AVE, NATIONAL CITY, CA 91950	SWEETWATER	909.12	Commercial	NO	NO
449	CENZONE TECH, INC.	2110 LOW CHAPARRAL DR, SAN MARCOS, CA 92069-9773	CARLSBAD	904.53	Commercial	NO	NO
450	DISCOUNT R. V. CENTER	10197 RIVERFORD RD, SUITE# F - G, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
451	FIVE STAR AUTOMOTIVE CENTER	10197 RIVERFORD RD, SUITE# J, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
452	SINGING HILLS RESORT AT SYCUAN	3007 DEHESA RD, EL CAJON, CA 92019-2806	SWEETWATER	909.21	Commercial	NO	NO
453	CVS #9162	3749 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
454	MACHOS TACO SHOP	3757 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
455	PEBBLESTONE SURFACES	3777 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
456	MARSHALL MARINE	3781 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
457	LAKE JENNINGS ARCO #81939	14039 OLD HIGHWAY 8 HWY, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
458	CANYON STEEL	12160 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
459	FUERTE ANIMAL HOSPITAL	4620 AVOCADO BLVD, LA MESA, CA 91941-7134	SWEETWATER	909.12	Commercial	NO	NO
460	SPRING CREEK KENNEL AND CATTERY	9279 CAMPO RD, SPRING VALLEY, CA 91977-1121	SWEETWATER	909.12	Commercial	NO	YES
461	APPLEBEE'S	2508 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
462	D&M MILLER TRUCKING	15409 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	YES	NO
463	FENCE ERECTORS	1236 PIERRE WAY, EL CAJON, CA 92021-4608	SAN DIEGO RIVER	907.13	Commercial	NO	NO
464	CR PALLETS	28333 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
465	VALLEY CENTER MUFFLER AND AUTO SERVICE	27960 VALLEY CENTER RD, VALLEY CENTER, CA 92082-6546	SAN LUIS REY	903.12	Commercial	NO	NO
466	DAVEY TREE SURGERY COMPANY	28010 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
467	HIDDEN VALLEY PUMPS SYSTEM	28010 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
468	GRANGETTO'S	29219 JUBA RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
469	ONEY ROOFING, INC.	29219 JUBA RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
470	VALLEY CENTER EQUIPMENT RENTAL	27427 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	YES	NO
471	U.S. STEEL FABRICATION	12737 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
472	GARCIA'S TIRE SHOP	12030 WOODSIDE AVE, LAKESIDE, CA 92040-2916	SAN DIEGO RIVER	907.12	Commercial	NO	YES
473	OCEAN STEEL	2494 S. SANTE FE, VISTA, CA 92084	CARLSBAD	904.32	Industrial	NO	YES
474	COTTONWOOD-RANCHO SAN DIEGO RIVER	3121 WILLOW GLEN RD, EL CAJON, CA 92019-4604	SWEETWATER	909.21	Commercial	NO	NO
475	STEELE CANYON GOLF/CNTRY CLUB	3199 STONEFIELD DR, JAMUL, CA 91935	SWEETWATER	909.21	Commercial	NO	NO
476	MAXWELL'S AUTO REPAIR	555 W CLEMMENS LN, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
477	PABLO'S AUTOWORKS AND TOWING	1291 ALTURAS RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
478	7-ELEVEN #15944	9365 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
479	COUNTRY DONUT	12169 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
480	CLARK STEEL FABRICATORS, INC.	12610 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Industrial	NO	YES
481	PAUMA VALLEY EQUESTRIAN	32955 COLE GRADE RD, PAUMA VALLEY, CA 92061	SAN LUIS REY	903.22	Commercial	NO	NO
482	ARCO #5512	9606 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
483	ROSE DONUTS & YOGURT	1760 N 02ND ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
484	DON'S MARKET	30240 - 30250 HIGHWAY 78, SANTA YSABEL, CA 92070	SAN DIEGUITO	905.54	Commercial	NO	NO
485	SIZZLER RESTAURANT	344 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
486	PIZZA HUT	1235 S MISSION RD, FALLBROOK, CA 92028-4005	SANTA MARGARITA	902.13	Commercial	NO	NO
487	NAPA AUTO PARTS	762 E MISSION RD, FALLBROOK, CA 92028-2215	SANTA MARGARITA	902.13	Commercial	NO	NO
488	SANTA FE ROOFING INC.	2244 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
489	PAYTON TRUE VALUE HARDWARE	9841 N MAINE AVE, LAKESIDE, CA 92040-3105	SAN DIEGO RIVER	907.12	Commercial	NO	YES
490	LA MESA-SPRING VALLEY SCHOOL DISTRICT	3638 CONRAD DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
491	LA PRESA LIQUORS	9410 JAMACHA BLVD ABC, SPRING VALLEY, CA 91977-5057	SWEETWATER	909.21	Commercial	NO	NO
492	HILBERTO'S MEXICAN FOOD	2648 JAMACHA RD, EL CAJON, CA 92019-4346	SWEETWATER	909.21	Commercial	NO	NO
493	MANDARIN CHEF	2654 JAMACHA RD, EL CAJON, CA 92019-6317	SWEETWATER	909.21	Commercial	NO	NO
494	RAPHAEL'S INC	2705 VIA ORANGE WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
495	LITTLE CAR SHOP	2768 VIA ORANGE WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
496	FERNANDO'S PIZZA	2778 SWEETWATER SPRINGS B BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	NO
497	VALERO	2835 SWEETWATER RD, SPRING VALLEY, CA 91977-2530	SWEETWATER	909.12	Commercial	NO	NO
498	7-ELEVEN, INC	2840 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
499	ANAYA'S MOTOR WERKES	2919 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
500	CARL'S JR.	2935 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
501	KFC Y#305021	2949 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
502	PIZZA HUT #27237	2959 JAMACHA RD, SUITE# 20C, EL CAJON, CA 92019-6306	SWEETWATER	909.21	Commercial	NO	NO
503	RUBIO'S FRESH MEXICAN GRILL	2959 JAMACHA RD, SUITE# 20A, EL CAJON, CA 92019-6306	SWEETWATER	909.21	Commercial	NO	NO
504	COLD STONE CREAMERY	2963 JAMACHA RD, SUITE# D, EL CAJON, CA 92019-4318	SWEETWATER	909.21	Commercial	NO	NO
505	PETER PIPER PIZZA	2983 JAMACHA RD, EL CAJON, CA 92019-4342	SWEETWATER	909.21	Commercial	NO	NO
506	DA BOYZ PIZZA	2990 JAMACHA RD, EL CAJON, CA 92019-4376	SWEETWATER	909.21	Commercial	NO	NO
507	K&S AUTO STORAGE YARD	9143 BIRCH ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
508	NEW IMAGE PAINTING	734 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
509	H & K CONSTRUCTION	10035 RIVER ST, LAKESIDE, CA 92040-3124	SAN DIEGO RIVER	907.12	Commercial	NO	YES
510	7-ELEVEN # 16498	103 WORTHINGTON ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
511	PAPITOS PRODUCE	9610 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
512	SHAKERS FROZEN YOGURT	9724 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
513	S & S CARBIDE TOOL INC	2830 VIA ORANGE WAY C, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
514	VELOCITY PAINTBALL	2199 SAN VICENTE RD, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
515	MAGNOLIA AUTO REPAIR	1330 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
516	ALPINE ROCK & BLOCK	13288 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
517	DRAGON KING	1429 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
518	COUNTRY WINE AND SPIRITS, INC.	23658 SAN VICENTE RD, RAMONA, CA 92065-4245	SAN DIEGUITO	905.41	Commercial	NO	NO
519	R & H STEEL, INC.	1710 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
520	J & M KEYSTONE	2709 VIA ORANGE WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
521	REPCO SALES	2737 VIA ORANGE WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
522	GOLDEN STATE METAL FINISHING	2737 VIA ORANGE WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
523	EURAMCO SAFETY INC	2746 VIA ORANGE WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	NO	NO
524	EL MICHOACAN RESTAURANT	780 MAIN ST, RAMONA, CA 92065-2079	SAN DIEGUITO	905.41	Commercial	NO	NO
525	AERCO SYSTEMS, INC.	12069 RIVERSIDE DR, LAKESIDE, CA 92040-2328	SAN DIEGO RIVER	907.12	Commercial	NO	YES
526	MERZ CONSTRUCTION, INC.	646 GRAND AVE, SPRING VALLEY, CA 91977-5009	SWEETWATER	909.12	Commercial	NO	YES
527	DAIRY QUEEN	2656 JAMACHA RD, SUITE# 102, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
528	GEAR VENDORS	1717 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
529	PIZZA HUT #881128	1762 N 02ND ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
530	MC DONALD'S	8730 JAMACHA BLVD, SPRING VALLEY, CA 91977-5631	SWEETWATER	909.12	Commercial	NO	NO
531	ART'S RADIATOR SHOP AIR CONDITIONING	9010 JAMACHA RD, SPRING VALLEY, CA 91977-4101	SWEETWATER	909.12	Commercial	NO	YES
532	TERRY'S AUTO REPAIR	27847 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
533	VIC'S GARAGE AND TOWING	27327 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
534	MAHR'S TIRE AND AUTO	312 S MAIN AVE, FALLBROOK, CA 92028-2938	SANTA MARGARITA	902.13	Commercial	NO	NO
535	PINE TREE LUMBER	215 E IVY ST, FALLBROOK, CA 92028-2137	SANTA MARGARITA	902.13	Commercial	NO	NO
536	ESKIMO RADIATOR & AC SERVICE	121 E BRADLEY AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
537	QUALITY IRON PRODUCTS, INC.	1426 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
538	COUNTRY CHOICE REST & CATERING	8910 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
539	RAMIREZ TIRE	8915 TROY ST, SPRING VALLEY, CA 91977-2639	SWEETWATER	909.12	Commercial	NO	YES
540	CIRCLE K STORES INC #2981	12320 WILLOW RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
541	J & R AUTOBODY AND PAINT COLLISION REPAIR CENTER	2477 SANTA FE DR, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
542	JPS	106 HANNALEI DR, VISTA, CA 92083	CARLSBAD	904.32	Industrial	NO	YES
543	RAMONA DISPOSAL SERVICES/RAMONA MATERIAL RECOVERY FACILITY AND TRANSFER STATION	324 MAPLE ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
544	GREEN VISION PARTNERS/STREAMHAWK	2476 S SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
545	ALPINE MOUNTAIN MARKET AND CHEVRON GAS & DIESEL	1145 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
546	OAKZANITA RANCH	11190 HIGHWAY 79, DESCANSO, CA 91916	SWEETWATER	909.34	Commercial	NO	NO
547	ALBERTSON'S #6738	9560 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
548	ROSARITO's #6	14490 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
549	SUBWAY SANDWICHES #3820	9562 WINTER GARDENS BLVD, CA	SAN DIEGO RIVER	907.12	Commercial	NO	NO
550	NEW YORK GIANT PIZZA	9610 WINTER GARDENS BLVD, LAKESIDE, CA 92040-3980	SAN DIEGO RIVER	907.12	Commercial	NO	NO
551	SCANTIBODIES	2365 SAN VICENTE RD, RAMONA, CA 92065-3729	SAN DIEGUITO	905.41	Industrial	NO	NO
552	INLINE CUSTOM METAL FABRICATION	1339 WALNUT ST, RAMONA, CA 92065-1840	SAN DIEGUITO	905.41	Industrial	NO	NO
553	GOLDEN RULE BINDERY	17701 SAN PASQUAL VALLEY RD, ESCONDIDO R, CA 92025	SAN DIEGUITO	905.32	Industrial	YES	NO
554	A. GEORGE AUTO REPAIR	1712 N 2ND ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
555	CALIBER COLLISION CTR	375 02ND ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
556	A & D SALES	6377 QUARRY RD, SPRING VALLEY, CA 91977-6402	SWEETWATER	909.12	Commercial	NO	NO
557	R D J COMMISSARY	6377 QUARRY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
558	CYMER	17082 THORNMINT CT, SAN DIEGO RIVER, CA 92127-2413	SAN DIEGUITO	905.11	Industrial	NO	NO
559	MT WOODSON GOLF CLUB	16302 N WOODSON DR, RAMONA, CA 92065-6804	SAN DIEGUITO	905.41	Commercial	NO	NO
560	CAFFE POSITANO	16921 VIA DE SANTA FE, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
561	MILLE FLEURS INC	6009 PASEO DELICIAS, RANCHO SANTA FE, CA 92067-9512	SAN DIEGUITO	905.11	Commercial	NO	NO
562	THE FARMS GOLF CLUB	8500 ST ANDREWS RD, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.11	Commercial	NO	NO
563	ADVANTA/CHASE HOME FINANCE	10790 RANCHO BERNARDO RD, SAN DIEGO RIVER, CA 92127-5705	SAN DIEGUITO	905.11	Commercial	NO	NO
564	SAN DIEGO RIVER PERFORMANCE MARINE	9007 OLIVE DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
565	PIVA EQUIPMENT RENTAL	124 10TH ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
566	VALLEY CENTER FOODS	27537 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
567	CARL'S JR #629	1263 TAVERN RD, ALPINE 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
568	ALPINE SHELL	1340 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
569	GIANT NEW YORK PIZZA	13465 CAM CANADA, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
570	SUBWAY SANDWICHES #4583	13465 CAMINO CANADA, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
571	STENERSON RANCH	7910 CAMINO DEL REY, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	YES
572	AMERICA AIR AVIATION	2141 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
573	ABERLE CUSTOM AIRCRAFT	2141 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
574	CALIFORNIA AERO MARKETING	2155 S MISSION RD, BLDG# F, FALLBROOK, CA 92028-4404	SAN LUIS REY	903.12	Commercial	NO	NO
575	RANCHO VALENCIA RESORT	5921 VALENCIA CIR, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
576	LEUCADIA PIZZERIA	16077 - 16091 SAN DIEGUITO RD, RANCHO SANTA FE, CA 92091-9800	SAN DIEGUITO	905.11	Commercial	NO	NO
577	QUIZNO'S	1664 MAIN ST, SUITE# D, RAMONA, CA 92065-5229	SAN DIEGUITO	905.41	Commercial	NO	NO
578	DANIEL'S LIQUOR AND DELI	1350 MAIN ST, RAMONA, CA 92065-2127	SAN DIEGUITO	905.41	Commercial	NO	NO
579	RAMONA DELI	1415 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
580	PIZZA HUT	1662 MAIN ST, RAMONA, CA 92065-5231	SAN DIEGUITO	905.41	Commercial	NO	NO
581	SALSA MEXICAN FOOD	1530 MAIN ST, SUITE# 18, RAMONA, CA 92065-5244	SAN DIEGUITO	905.41	Commercial	NO	NO
582	KSO MANUFACTURING	1050 OLIVE ST, RAMONA, CA 92065-1867	SAN DIEGUITO	905.41	Industrial	NO	NO
583	BORN AGAIN RESTORATION	136 N 10TH ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
584	MOUNTAIN EMPIRE UNIFIED SCHOOL DISTRICT	3291 BUCKMAN SPRINGS RD, PINE VALLEY, CA 91962	TIJUANA	911.60	Industrial	YES	YES
585	GIANT PIZZA KING # 13	1029 ELKELTON BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
586	FOSTERS FREEZE	1069 ELKELTON BLVD, SPRING VALLEY, CA 91977-4720	SWEETWATER	909.12	Commercial	NO	NO
587	INDIAN OAKS KENNEL	2555 FOREST PARK RD, JAMUL, CA 91935	SWEETWATER	909.21	Commercial	NO	NO
588	THE LAKESIDE STEAKHOUSE	9927 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
589	SUBWAY	689 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
590	SOMBRERO	691 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
591	L.L. RODGERS PLASTERING	725 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
592	TRUCK N TOYS	740 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
593	PERFORMANCE SPECIALTIES	845 GRAND AVE, SPRING VALLEY, CA 91977-4910	SWEETWATER	909.12	Commercial	NO	YES
594	GRAND AUTOMOTIVE	908 GRAND AVE, SPRING VALLEY, CA 91977-4914	SWEETWATER	909.12	Commercial	NO	YES
595	J & M KEYSTONE INC	1049 ELKELTON BLVD, SPRING VALLEY, CA 91977-4720	SWEETWATER	909.12	Commercial	NO	YES
596	7-ELEVEN #25807	1075 ELKELTON BLVD, SPRING VALLEY, CA 91977-4720	SWEETWATER	909.12	Commercial	NO	NO
597	MAURO'S BODY SHOP	1371 PRESIOCA ST, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	YES
598	TGI FRIDAY'S	2991 JAMACHA RD, EL CAJON, CA 92019-4342	SWEETWATER	909.21	Commercial	NO	NO
599	JIFFY MACHINE & WELDING, INC.	1675 N MAGNOLIA AVE, EL CAJON, CA 92020-1241	SAN DIEGO RIVER	907.13	Commercial	NO	NO
600	RAMONA CAFE	628 MAIN ST, RAMONA, CA 92065-2044	SAN DIEGUITO	905.41	Commercial	NO	NO
601	RAMONA DONUTS & YOGURT	1853 MAIN ST, RAMONA, CA 92065-2512	SAN DIEGUITO	905.41	Commercial	NO	NO
602	RAMONA FARM MARKET	838 MAIN ST, RAMONA, CA 92065-1932	SAN DIEGUITO	905.41	Commercial	NO	NO
603	CASINO INN	1155 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
604	CIRCLE K #8581	1666 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
605	LITTLE CAESARS PIZZA	1730 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
606	STEPH'S DONUT HOLE	1730 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
607	PANDA MACHI CHINESE/JAPANESE	1730 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
608	PICK UP STIX #7210	2504 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
609	TACO BELL #25488	2506 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
610	WENDY'S	8749 CAMPO RD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
611	ROLL OVER AUTO BODY REPAIR	8802 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	YES
612	U.S.A. TOWING & RECOVERY AUTOBODY REPAIR	289 VERNON WAY, EL CAJON, CA 92020-1928	SAN DIEGO RIVER	907.13	Commercial	NO	NO
613	ROMANO'S RESTAURANT	2718 B ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
614	ORCHARD HILL COUNTRY INN	2502 WASHINGTON ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
615	RONGBRANCH RESTAURANT	2722 WASHINGTON ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
616	SCRAPPY'S TIRE AND AUTOMOTIVE CENTER	346 S MAIN AVE, FALLBROOK, CA 92028-2938	SANTA MARGARITA	902.13	Commercial	NO	NO
617	CHALET LIQUOR & DELI	1051 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
618	PEDRO'S TACOS	536 S MAIN AVE, FALLBROOK, CA 92028-2942	SANTA MARGARITA	902.13	Commercial	NO	NO
619	EAST BROS GROVE SERVICE CO.	112 AVIATION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
620	NEIMAN COLLISION CENTER	1381 S MISSION RD, FALLBROOK, CA 92028-4007	SANTA MARGARITA	902.13	Commercial	NO	NO
621	APRO LIC #21/MAIN ST.	1202 S MAIN AVE, FALLBROOK, CA 92028-3327	SANTA MARGARITA	902.13	Commercial	NO	NO
622	BARNMASTER	10124 CHANNEL RD, LAKESIDE, CA 3448	SAN DIEGO RIVER	907.12	Industrial	NO	YES
623	PRO-TIME AUTOMOTIVE	1367 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
624	C & J PRECISION PRODUCTS	1151 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
625	SONNY'S MUFFLER AND HITCHES	212 W BEECH ST, FALLBROOK, CA 92028-2907	SANTA MARGARITA	902.13	Commercial	NO	NO
626	ECONO LUBE N TUNE	742 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
627	DURHAM SCHOOL SERVICES	825 WINTER HAVEN RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
628	MOUNTAIN GOLD/WILL MATERIALS & NURSERY	31514 SR-94, CAMPO, CA 91906	TIJUANA	911.82	Commercial	NO	NO
629	ANIMAL ARTISTRY'S GROOMING & BOARDING	662 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
630	ASAP CUSTOM CABINETS	202 GREENFIELD DR SUITE D, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
631	MURRIETA'S FINE MEXICAN FOOD	5170 BONITA RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
632	MAD MAX ENGINES, INC.	9937 RIVER ST, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
633	RANCH DELI, LLC	16236 SAN DIEGUITO RD, RANCHO SANTA FE, CA 92091-9802	SAN DIEGUITO	905.11	Commercial	NO	NO
634	MI RANCHITO TACO SHOP	1028 MAIN ST, RAMONA, CA 92065-2121	SAN DIEGUITO	905.41	Commercial	NO	NO
635	FOOD FARM MARKET	13307 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
636	RENO'S COUNTRY CAFE	13315 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
637	KD DONUTS	1411 - 1433 MAIN ST, RAMONA, CA 92065-2128	SAN DIEGUITO	905.41	Commercial	NO	NO
638	NIKO	1431 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
639	CHEERS & BEERS	8043 WINTER GARDENS BLVD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.12	Commercial	NO	NO
640	HOLE IN THE WALL PIZZA SHOPPE	8049 WINTER GARDENS BLVD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.12	Commercial	NO	NO
641	COO COO CLUB	8203 WINTER GARDENS BLVD, LAKESIDE, CA 92040-5533	SAN DIEGO RIVER	907.12	Commercial	NO	NO
642	SARITA'S TACO SHOP	9906 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
643	ALBERTSONS #6783	2899 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
644	EXCEL AUTOS	1419 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
645	PARADISE VALLEY PRODUCE	8423 PARADISE VALLEY RD, EL CAJON, CA 92019	SWEETWATER	909.12	Commercial	NO	NO
646	CHARLES IN CHARGE STUCCO	9020 MEMORY LN, SUITE# A, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
647	ASBURY ENVIRONMENTAL SERVICES	9119 BIRCH ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
648	BEST AUTO BODY & PAINTING	1200 GREENFIELD DR, EL CAJON, CA 92021-3316	SAN DIEGO RIVER	907.13	Commercial	NO	NO
649	YOGURT PALACE	130 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
650	MI AMIGO RESTAURANT & BAKERY	241 N MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
651	SILVERGATE RETIREMENT	420 ELBROOK DR, FALLBROOK, CA 92028-2718	SANTA MARGARITA	902.13	Commercial	NO	NO
652	THE WAYSIDE CAFE	507 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
653	RICHARDSON'S	536 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
654	DENNY'S RESTAURANT	713 MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
655	DONUT PANTRY	833 S MAIN AVE, FALLBROOK, CA 92028-3348	SANTA MARGARITA	902.13	Commercial	NO	NO
656	FALLBROOK MOOSE LODGE #1992	842 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
657	VINCE'S PIZZA	855 S MAIN AVE, SUITE# A, FALLBROOK, CA 92028-3351	SANTA MARGARITA	902.13	Commercial	NO	NO
658	JAVA TIME	1247 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
659	WINTER GARDENS SMOG & TUNE	8767 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
660	GODFATHER'S PIZZA	685 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
661	RIO RICO	5256 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
662	RON'S RED EYE SALOON	1448 Mission RD, Fallbrook, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
663	SUNRIZE CAFE	5226 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
664	VILLAGE PIZZA	5256 S MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
665	PADRE POOLS	2003 PIERCE CT, EL CAJON, CA 92019-4232	SAN DIEGO RIVER	907.12	Commercial	NO	NO
666	SO CAL MACHINE, INC	14310 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
667	PAUL'S CAR CARE	552 LA PRESA AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	NO
668	7-ELEVEN FOOD STORE #13666	11610 RIVERSIDE DR, LAKESIDE, CA 92040-2316	SAN DIEGO RIVER	907.12	Commercial	NO	NO
669	MCDONALD'S #11831	9614 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
670	BOLL WEEVIL	9741 WINTER GARDENS BLVD, LAKESIDE, CA 92040-3810	SAN DIEGO RIVER	907.12	Commercial	NO	NO
671	GIANT PIZZA KING	9742 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
672	BILL SIGNS TRUCKING	10329 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
673	JAY BEES KENNELS	9124 OLIVE DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
674	SWEETWATER VALLEY ANIMAL INN	5540 SAN MIGUEL RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
675	BARK PARK	3971 SPRING DR, SPRING VALLEY, CA 91977-1135	SWEETWATER	909.12	Commercial	NO	YES
676	MARGALE KENNELS	29976 MARGALE LN, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	YES
677	DOROTHYS ANIMAL CARE	23451 BARONA MESA RD, RAMONA, CA 92065	SAN DIEGO RIVER	907.23	Commercial	NO	NO
678	GRANDSTAND PIZZA	1558 N MAGNOLIA AVE, SUITE# K, EL CAJON, CA 92020-1219	SAN DIEGO RIVER	907.13	Commercial	NO	NO
679	BURGER KING #13489	14134 OLD HIGHWAY 80, EL CAJON, CA 92021-2823	SAN DIEGO RIVER	907.14	Commercial	NO	NO
680	LAKESIDE EQUIPMENT	11925 WOODSIDE AVE, LAKESIDE, CA 92040-2913	SAN DIEGO RIVER	907.12	Commercial	NO	YES
681	G.A.S. - GENERAL AUTOMOTIVE SERVICE	2517 S SANTA FE AVE B, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
682	7-ELEVEN #20508	948 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
683	PIZZA HUT #881127	12336 WOODSIDE AVE, SUITE# C, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
684	SOMBRERO MEXICAN FOOD	12346 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
685	VONS #2366	12415 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
686	REGENCY SHOW STABLES	1204 LITTLE GOPHER CANYON RD, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	YES
687	REINS	4461 S MISSION RD, FALLBROOK, CA 92028-9462	SAN LUIS REY	903.12	Commercial	NO	YES
688	CRAZY HORSE AUTO BODY	9258 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
689	MWANGI SMOG CHECK & AUTO SALES	9305 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
690	JULIAN GOLD RUSH HOTEL	2032 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
691	MOUNTAIN ROSE CAFE	2116 MAIN ST, JULIAN, CA	SAN DIEGO RIVER	907.42	Commercial	NO	NO
692	PAPA MURPHYS TAKE N BAKE PIZZA	12198 FURY LN, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
693	FILIPPIS PIZZA GROTTO	13034 CAMPO RD, JAMUL, CA 91935	SWEETWATER	909.21	Commercial	NO	NO
694	RITE AID STORE #5632	9532 WINTER GARDENS BLVD, LAKESIDE, CA 92040-4032	SAN DIEGO RIVER	907.12	Commercial	NO	YES
695	JACK IN THE BOX #65	10255 CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.12	Commercial	NO	NO
696	ELITE FLEET AUTO BODY	9364 JAMACHA RD, SPRING VALLEY, CA 91977-4204	SWEETWATER	909.21	Commercial	NO	YES
697	DAVE'S CUSTOM BOATS	1468 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
698	BORDER PARTS DRIVE TRAIN COMPONENTS	3875 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
699	RHINO LININGS	1503 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.14	Commercial	NO	NO
700	BANK AUTO RESALES	3974 SPRING DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
701	RALPHS GROCERY CO #057	2652 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
702	SALSA MEXICAN AND SEAFOOD	2710 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
703	RANCH FARMERS MARKET	2754 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
704	ALL AMERICAN DISPOSAL SERVICE	16245 ALPINE BLVD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
705	J&K AUTOMOTIVE	130 W BRADLEY AVE, EL CAJON, CA 92020-1290	SAN DIEGO RIVER	907.13	Commercial	NO	NO
706	4 WHEEL PARTS PERFORMANCE CENTERS	121 W BRADLEY AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
707	ALWAYS ACCURATE	4365 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
708	SNAPPY'S	28535 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
709	ROUND TABLE PIZZA	9676 CAMPO RD, SPRING VALLEY, CA 91977-1251	SWEETWATER	909.12	Commercial	NO	NO
710	EUREKA CARPET CLEANING	2431 PRIMROSE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
711	EXPRESS JUNK REMOVAL	1678 COUNTRY CLUB DR, ESCONDIDO, CA 92029	SAN LUIS REY	903.13	Commercial	NO	YES
712	HAWTHORNE MACHINERY	16945 CAMINO SAN BERNARDO, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Industrial	NO	NO
713	TAPESTRY MEADOWS EQUESTRIAN CENTER	30673 ANDREEN RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.13	Commercial	NO	NO
714	POWERLAND EQUIPMENT	27943 VALLEY CENTER RD, VALLEY CENTER, CA 92082-6547	SAN LUIS REY	903.12	Commercial	NO	NO
715	JENSEN'S KENNELS, INC	3655 PROCTOR VALLEY RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
716	INTERNATIONAL IRON PRODUCTS	10883 THORNMINT DR, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Industrial	NO	NO
717	KAMPS PROPANE INC	16245 ALPINE BLVD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
718	RAMONA LISA'S PIZZA - SUBS	23642 SAN VICENTE RD, RAMONA, CA 92065	SAN DIEGO RIVER	907.23	Commercial	NO	NO
719	LOS AMIGOS MEXICAN RESTAURANT	23674 SAN VICENTE RD, RAMONA, CA 92065	SAN DIEGO RIVER	907.23	Commercial	NO	NO
720	WYNOLA PIZZA EXPRESS	4295 HIGHWAY 78, SANTA YSABEL, CA 92070-9657	SAN DIEGUITO	907.42	Commercial	NO	NO
721	ALPINE MATERIALS	1117 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
722	MCDONALD'S	13574 CAMINO CANADA, EL CAJON, CA 92021-2059	SAN DIEGO RIVER	907.14	Commercial	NO	NO
723	BOLL WEEVIL	2548 MAIN ST A-F, RAMONA, CA 92065-2555	SAN DIEGUITO	905.41	Commercial	NO	NO
724	LEILANI'S ICE CREAM & FUDGE	5256 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
725	7-ELEVEN #20211 /7-ELEVEN, INC	1076 MAIN ST, RAMONA, CA 92065-2121	SAN DIEGUITO	905.41	Commercial	NO	NO
726	PACIFIC EXECUTIVE AVIATION	2450 MONTECITO RD, RAMONA, CA 92065-1644	SAN DIEGUITO	905.41	Commercial	NO	NO
727	FAMOUS RAMONA WATER	250 AQUA LN, RAMONA, CA 92065-2024	SAN DIEGUITO	905.41	Commercial	NO	NO
728	ECOMONY CONCRETE CUTTING CO	1016 ETCHEVERRY ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
729	7-ELEVEN #13646	735 E EAST BRADLEY AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
730	KELLY'S PUB	719 E BRADLEY AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
731	AUTO REPAIR & TRANSMISSION	140 W BRADLEY AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
732	HORIZON AUTOBODY & PAINT	210 W BRADLEY AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
733	TACO BELL #18315	13418 CAMINO CANADA, EL CAJON, CA 92021-8816	SAN DIEGO RIVER	907.14	Commercial	NO	NO
734	PANDA EXPRESS #380	13439 CAMINO CANADA, EL CAJON, CA 92021-8811	SAN DIEGO RIVER	907.14	Commercial	NO	NO
735	VONS #2333	13439 CAMINO CANADA, EL CAJON, CA 92021-8811	SAN DIEGO RIVER	907.14	Commercial	NO	NO
736	C.M.C. CUSTOM CARS INC.	202 W GREENFIELD DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
737	BEST AUTO REPAIR	1112 GREENFIELD DR, UNIT# 2, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
738	SYNTHETIC MARBLE BY PONCE	1145 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
739	SAM'S GARAGE MUFFLER SHOP	13455 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
740	HAWTHORNE RENT IT SERVICE	12329 MAPLEVIEW ST, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
741	LAKE MORENA COUNTRY MARKET	29801 OAK DR, CAMPO, CA 91906	TIJUANA	911.50	Commercial	NO	NO
742	LIVE OAK SPRINGS MARKET	37820 OLD HIGHWAY 80, BOULEVARD, CA 91905	TIJUANA	911.84	Commercial	NO	NO
743	CAFÉ 94	25125 HIGHWAY 94, POTRERO, CA 91963-4116	TIJUANA	911.25	Commercial	NO	NO
744	7-ELEVEN #21802	12918 CAMPO RD, JAMUL, CA 91935	SWEETWATER	909.21	Commercial	NO	NO
745	JAMUL MEAT MARKET & TACO SHOP	12930 SR-94, JAMUL, CA 91935	OTAY	910.36	Commercial	NO	NO
746	THOUSAND TRAILS OAKZANITA SPRN	11053 SR-79, DESCANSO, CA 91916	SWEETWATER	909.34	Commercial	NO	NO
747	JOSE LEO BARDO AUTO REPAIR	13767 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
748	RANCHO DOS PALMAS LLC	2260 GLENVIEW LN, VISTA, CA 92084	SAN LUIS REY	903.11	Commercial	NO	NO
749	RANCHO PASEANA / CRAIG RANCH	16092 SAN DIEGUITO RD, RANCHO SANTE FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
750	RANCHO RIDING CLUB	16924 RAMBLA DE LAS FLORES, RANCHO SANTA FE, CA 92067	CARLSBAD	904.61	Commercial	NO	NO
751	RANCHO VALLE DEL SOL	3712 VALLE DEL SOL, BONSALL, CA 92003	SAN LUIS REY	903.11	Commercial	NO	NO
752	RANCHO VISTA SHOW HORSES	1646 LITTLE GOPHER CANYON RD, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	YES
753	RAWHIDE RANCH	6987 W LILAC RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	YES
754	TACO BELL #1496	12265 WOODSIDE AVE, LAKESIDE, CA 92040-3025	SAN DIEGO RIVER	907.14	Commercial	NO	NO
755	BRIGHT VALLEY FARMS, INC	12310 CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
756	BROOKWOOD STABLES	3166 N TWIN OAKS VALLEY RD, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
757	CARRIAGES FOR HIRE	30018 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
758	RIDING SCHOOL	2625 ARABIAN RANCH LN, VISTA, CA 92084	SAN LUIS REY	903.11	Commercial	NO	NO
759	RISEN SON RANCH	11548 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
760	DUDLEY'S BAKERY	30218 HIGHWAY 78, SANTA YSABEL, CA 92070	SAN DIEGUITO	905.54	Commercial	NO	NO
761	GAETANO'S PIZZA RESTAURANT	10025 CAMPO RD, SPRING VALLEY, CA 91977-1802	SWEETWATER	909.12	Commercial	NO	NO
762	M.J.D. CABINETS	12650 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	NO
763	NORTH COUNTY AUTO SPECIALISTS	1850 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
764	ARCHIBALD, INC. (AFFORDABLE RAINGUTTERS)	1402 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
765	TOWNE CONSTRUCTION, INC.	12115 LAKESIDE AVE, LAKESIDE, CA 92040-1712	SAN DIEGO RIVER	907.12	Commercial	NO	YES
766	MC DONALD'S # 11206	2646 JAMACHA RD, EL CAJON, CA 92019-4349	SWEETWATER	909.21	Commercial	NO	NO
767	VILLAGE BONSALL MARKET	5527 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
768	BONSALL DONUT HOUSE	5523 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
769	RINGERS	5517 MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
770	DOUBLE S. TACK AND FEED	14335 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
771	SPICER'S SANDY CREEK RANCH	5739 STALLION OAKS RD, EL CAJON, CA 92019-1626	SWEETWATER	909.25	Commercial	NO	NO
772	MARIOS ITALIAN RESTAURANT	12440 WOODSIDE AVE, LAKESIDE, CA 92040-3018	SAN DIEGO RIVER	907.12	Commercial	NO	NO
773	MURPHY'S P.E.T.S. (PERSONALIZED EQUINE TRANSPORT SERVICE)	10000 CIRCLE R DR, ESCONDICO, CA	SAN LUIS REY	903.13	Commercial	NO	NO
774	MY LITTLE PONY RIDES	1908 DEHESA RD, EL CAJON, CA 92019	SAN DIEGO RIVER	907.13	Commercial	NO	NO
775	7-ELEVEN #13664	4610 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
776	CRAFTSTONES	505 ELM ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
777	INLAND VALLEY MATERIALS	14080 SAN PASQUAL VALLEY RD, ESCONDIDO, CA 92026	SAN DIEGUITO	905.32	Industrial	NO	NO
778	RIZZO CABINETS	1050 OLIVE ST, RAMONA, CA 92065-1867	SAN DIEGUITO	905.41	Industrial	NO	NO
779	KISSINGER TRUCK & EQPMT RENTAL	13797 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
780	SAN DIEGO RIVER PACIFIC CREST SERVICES, INC.	13272 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
781	CORD INDUSTRIES	541 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
782	ANTRIN MINIATURE SPECIALTIES, INC.	488 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
783	ROLL EQUIPMENT	733 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
784	KLINE VOLKSWAGEN REPAIR	8522 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Commercial	NO	NO
785	SUNDT CONSTRUCTION, INC.	12650 HIGHWAY 67, LAKESIDE, CA 92040-1132	SAN DIEGO RIVER	907.12	Commercial	NO	YES
786	EMERALD HILL PAINT & BODY	12239 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
787	SPIRIT AUTO CENTER	12402 WOODSIDE AVE, LAKESIDE, CA 92040-3018	SAN DIEGO RIVER	907.12	Commercial	NO	YES
788	VALERO	1140 TAVERN RD, ALPINE, CA 91901-3816	SAN DIEGO RIVER	907.13	Commercial	NO	NO
789	GOTZ ADRIENNE DVM	2650 JAMACHA RD, EL CAJON, CA 92019-6316	SWEETWATER	909.21	Commercial	NO	NO
790	HIGH ON KENNELS	26920 MESA GRANDE RD, SANTA YSABEL, CA 92070-9691	SAN DIEGUITO	905.52	Commercial	NO	NO
791	P & C AUTO MECHANIC	9332 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
792	DONNIE'S AUTO CLINIC	10116 MAINE AVE, LAKESIDE, CA 92040	CARLSBAD	907.12	Commercial	NO	YES
793	LA PALAPA	12169 WOODSIDE AVE, LAKESIDE, CA 92040-7014	SAN DIEGO RIVER	907.14	Commercial	NO	NO
794	KFC #Y450059	12061 WOODSIDE AVE, LAKESIDE, CA 92040-2915	SAN DIEGO RIVER	907.12	Commercial	NO	NO
795	DOMINO'S PIZZA	1310 MAIN ST, RAMONA, CA 92065-2127	SAN DIEGUITO	905.41	Commercial	NO	NO
796	ACCURATE UNDERGROUND AND GRADING (DBA TOBIASON BROTHERS EXCAVATING)	1315 WALNUT ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
797	FAIRBANKS RANCH MOBIL	16095 SAN DIEGUITO RD, RANCHO SANTA FE, CA 92091-9800	SAN DIEGUITO	905.11	Commercial	NO	NO
798	SYMCOAT METAL PROCESSING	10840 THORNMINT RD, SAN DIEGO RIVER, CA 92127-2404	SAN DIEGUITO	905.11	Industrial	NO	NO
799	GEN-PROBE	10808 WILLOW CT, SAN DIEGO RIVER, CA 92127-2408	SAN DIEGUITO	905.11	Industrial	NO	NO
800	ED HALE AUTO	8455 WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Commercial	NO	NO
801	FALLBROOK ANIMAL LODGE	1115 MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
802	ALPINE PET SITTERS	1544 OLIVEWOOD LN, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
803	RASENHOF GERMAN SHEPHERDS	11315 PINEHURST DR, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
804	COUNTRY KENNELS	16922 RIO MARIA RD, LAKESIDE, CA 92040-1178	SAN DIEGO RIVER	907.21	Commercial	NO	YES
805	PEKING WOK	5256 S MISSION RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
806	CJ RANCHES	825 ASH ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
807	KFC	1077 MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
808	PALA TACO SHOP	3235 S HIGHWAY 395, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
809	A+ MOTORS	2287 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
810	HURRICANE JUICE & SUPPLEMENTS	1668 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
811	KOUNTRY KITCHEN	826 MAIN ST, RAMONA, CA 92065-1932	SAN DIEGUITO	905.41	Commercial	NO	NO
812	MOUNTAIN MOVERS ENGINEERING CONTRACTORS	699 CASSOU RD OLD ADDRES, CA	CARLSBAD	904.53	Commercial	NO	NO
813	PIPE FABRICATORS INTERNATIONAL	8047 WING AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
814	ANZA KNIVES	9380 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
815	CARL'S JR #118	3722 KENORA DR, SPRING VALLEY, CA 91977-1235	SWEETWATER	909.12	Commercial	NO	NO
816	SAM'S TUNE-UP MASTER	9851 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
817	VISTA INDEPENDENT VW REPAIR	2305 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
818	LARRY'S AUTOMOTIVE	2321 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
819	ALL ACCESS RENTALS	3354 HELIX ST, SPRING VALLEY, CA 91977-2737	SWEETWATER	909.12	Commercial	NO	YES
820	A & M RE-INFORCING SPECIALIST, INC.	15353 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
821	CRUISAIR AVATION	2428 MONTECITO RD, RAMONA, CA 92065-1619	SAN DIEGUITO	905.41	Commercial	NO	NO
822	CHUCK HALL AVIATION	2898 MONTECITO RD, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
823	PROMOTIONAL PRODUCTS	11978 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
824	CCS AUTOMOTIVE	9217 - 9221 SECURITY WAY, SANTEE, CA 92071-4721	SAN DIEGO RIVER	907.12	Commercial	NO	YES
825	RONCO TRAILER	2475 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
826	STEVE CERENA'S CONCRETE	285 VERNON WAY, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
827	LA COCINA	677 - 681 MAIN ST, RAMONA, CA 92065-2043	SAN DIEGUITO	905.41	Commercial	NO	NO
828	MANANA'S MEXICAN FOOD	1137 MAIN ST, RAMONA, CA 92065-2122	SAN DIEGUITO	905.41	Commercial	NO	NO
829	MOLLY MALONE'S	1270 MAIN ST, RAMONA, CA 92065-2125	SAN DIEGUITO	905.41	Commercial	NO	NO
830	OLD TELEPHONE CO RESTAURANT	668 MAIN ST, RAMONA, CA 92065-2044	SAN DIEGUITO	905.41	Commercial	NO	NO
831	PACKARDS	308 7TH ST, RAMONA, CA 92065-2306	SAN DIEGUITO	905.41	Commercial	NO	NO
832	PACKARDS PLUS	1140 MAIN ST, RAMONA, CA 92065-2142	SAN DIEGUITO	905.41	Commercial	NO	NO
833	SANTANA MEXICAN GRILL	9824 CAMPO RD, SPRING VALLEY, CA 91977-1417	SWEETWATER	909.12	Commercial	NO	NO
834	DAPHNE'S	10562 CRAFTSMAN WAY, UNIT# 192, RANCHO SANTA FE, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
835	COFFEE BEAN AND TEA LEAF	10550 CRAFTSMAN WAY, SAN DIEGO RIVER, CA 92127-3507	SAN DIEGUITO	905.11	Commercial	NO	NO
836	RALPH'S #105	10525 4S COMMONS DR, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
837	GRAND AUTO CENTER, INC.	711 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
838	AG AUTO & TRUCK, INC.	802 GRAND AVE, SUITE# B, SPRING VALLEY, CA 91977-4909	SWEETWATER	909.12	Commercial	NO	YES
839	AZTEC PAVING, INC.	9045 OLIVE DR, SPRING VALLEY, CA 91977-2302	SWEETWATER	909.12	Commercial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
840	FALLBROOK MUFFLER	137 W COLLEGE ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
841	MR. TIRES	1241 ALTURAS RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
842	HERA'S AUTO SHOP	104 HANNALEI DR, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
843	JIM'S EQUIPMENT	104 HANNALEI DR, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
844	CASPIAN STABLES	27264 N LAKE WOHLFORD RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.15	Commercial	NO	NO
845	CELEBRITY FARMS	15853 LYONS VALLEY RD, JAMUL, CA 91935-3514	OTAY	910.34	Commercial	NO	NO
846	CHEYENNE ARABIANS & MINIATURES	P.O. BOX 113, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
847	CINDY WEIGHT CARTER TRAINING STABLES	10704 PALM ROW DR, LAKESIDE, CA 92040-1641	SAN DIEGO RIVER	907.12	Commercial	NO	YES
848	CIRCLE P RANCH INC	27446 MOUNTAIN MEADOW RD, ESCONDIDO, CA 92026-7909	SAN LUIS REY	903.13	Commercial	NO	NO
849	CIRCLE T RANCH	13250 WILLOW RD, LAKESIDE, CA 92040-1903	SAN DIEGO RIVER	907.12	Commercial	NO	YES
850	COPPER MEADOWS	633 MONTECITO WAY, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
851	CREEK HOLLOW RANCH	26131 OLD JULIAN HWY, RAMONA, CA 92065	SAN DIEGUITO	905.43	Commercial	NO	NO
852	DEL RIO FARMS	4571 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	YES
853	RAY'S INSTA -TUNE & BRAKES	212 E ALVARADO ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
854	COUNTRY SUNSHINE RESALES	14223 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
855	TWO PAWS UP	14242 FRUITVALE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	YES
856	GILLESPIE FIELD CAFÉ	2015 N MARSHALL AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.12	Commercial	NO	NO
857	MARY ETTA'S CAFE	14809 OLD HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
858	ANDREASEN'S PASTRIES	8300 PARADISE VALLEY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
859	K T DONUTS #1	8415 PARADISE VALLEY RD, SPRING VALLEY, CA 91977-6224	SWEETWATER	909.12	Commercial	NO	NO
860	ANDERSON MANUFACTURING	10303 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
861	MARLIN'S RENTAL INC	1455 N MAGNOLIA AVE, EL CAJON, CA 92020-1621	SAN DIEGO RIVER	907.13	Commercial	NO	NO
862	SELAH RANCH LLC	11314 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
863	MISS DONUTS	9729 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
864	LITTLE CAESARS PIZZA	9768 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
865	WAL-MART #2253	13487 CAMINO CANADA, EL CAJON, CA 92021-8811	SAN DIEGO RIVER	907.14	Commercial	NO	NO
866	LAKESIDE SHELL	13538 CAMINO CANADA, EL CAJON, CA 92021-2059	SAN DIEGO RIVER	907.14	Commercial	NO	NO
867	DENNY'S RESTAURANT #7096	13584 CAMINO CANADA, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
868	MR. PAINTBALL	25320 Lake Wohlford RD, Escondido, CA 92027	CARLSBAD	904.62	Commercial	NO	NO
869	DIESEL POWER, INC	8121 WING AVE, EL CAJON, CA 92020-1247	SAN DIEGO RIVER	907.13	Commercial	NO	NO
870	CALPAC RECYCLING, INC.	2363 NEEDHAM RD, UNIT# 209, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	YES
871	EL CAJON TRUCK & AUTO REPAIR	1233 ORO ST, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
872	IRON TOUCH	1251 ALTURAS RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
873	STANDISH PRECISION PRODUCTS	323 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
874	LOS PRIMOS RESTAURANT	16621 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127-3489	SAN DIEGUITO	905.11	Commercial	NO	NO
875	THOROUGHBRED ROOM	5772 CAM DEL REY, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
876	TAILS TO SNAILS PROFESSIONAL PET SITTING	4630 MIRAMONTE ST, LA MESA, CA 91941-6600	SWEETWATER	909.12	Commercial	NO	YES
877	ALPINE FRONTIER LIQUOR	1730 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
878	STONE WORKS	1177 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
879	BRENTS AUTOWORKS	1177 GREENFIELD DR, EL CAJON, CA 92021-3348	SAN DIEGO RIVER	907.13	Commercial	NO	NO
880	EUREST DINING CAFETERIA	17082 THORNMINT CT, SAN DIEGO RIVER, CA 92127-2413	SAN DIEGUITO	905.11	Commercial	NO	NO
881	BONGIOVANNI RESTAURANT	15244 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
882	MASONIC LODGE #317	203 ROCKY CREST RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
883	TOBY RAMOS TIRE SERVICE	210 CYPRESS LN, EL CAJON, CA 92020-1602	SAN DIEGO RIVER	907.13	Commercial	NO	NO
884	ROTO ROOTER PLUMBERS	150 DENNY WAY, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
885	DIVERSIFIED TECHNOLOGIES	215 DENNY WAY, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
886	CANAL TRANSMISSIONS	1249 DENVER LN, EL CAJON, CA 92021-4711	SAN DIEGO RIVER	907.13	Commercial	NO	NO
887	CLASSICS & JAGS	1305 E CHASE AVE, EL CAJON, CA 92020	SWEETWATER	909.12	Commercial	NO	NO
888	JOHN'S TRUCKING	12025 RIVERSIDE DR, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
889	ABLE TRANSPORTATION	10441 VINE ST, LAKESIDE, CA 92040-2415	SAN DIEGO RIVER	907.12	Commercial	NO	YES
890	CPC MECHANICAL	13664 WILLOW RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
891	PAPA MURPHY'S PIZZA	1662 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
892	DEHESA SCHOOL DISTRICT	4612 DEHESA RD, EL CAJON, CA 92019	SWEETWATER	909.23	Commercial	NO	NO
893	OLIVENHAIN WATER DISTRICT-4S TREATMENT PLANT	16595 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Industrial	NO	NO
894	METAL FAB	19754 SUNSET OAKS DR, RAMONA, CA 92065-6101	SAN DIEGUITO	905.42	Industrial	NO	NO
895	STUMPS VILLAGE MARKET #4	0 VIA DE SANTA FE, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
896	MANANA'S MEXICAN FOOD	1730 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
897	ALPINE TACO SHOP	1903 ALPINE BLVD A, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
898	COBBLESTONE COTTAGE TEA SHOPPE	1945 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
899	HESS ROOFING INC	1681 N MAGNOLIA AVE, EL CAJON, CA 92020-1241	SAN DIEGO RIVER	907.13	Commercial	NO	NO
900	PARKER NURSERY-CARS FOR CASH	9839 BLOSSOM VALLEY RD, EL CAJON, CA 92021-2316	SAN DIEGO RIVER	907.14	Commercial	NO	NO
901	PIZZA HUT	8860 LAWRENCE WELK DR, ESCONDIDO, CA 92026	SAN LUIS REY	903.13	Commercial	NO	NO
902	CASS CONSTRUCTION	1100 WAGNER DR, EL CAJON, CA 92020-3047	SAN DIEGO RIVER	907.13	Commercial	NO	NO
903	BRUNDAGE EXCAVATING	1130 D ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
904	TFG AUTOMOTIVE	12650 HWY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
905	NEAL ELECTRIC	12560 SLAUGHTERHOUSE CANYON R, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
906	UNICORN CABINETS	14360 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
907	DAILY DISPOSAL SERVICES, INC.	12637 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
908	SOCIETIES OF S D INC	1017 S MOLLISON AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
909	JUAN MACIAS	10818 OAK CREEK DR, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
910	DATACOM	2517 S SANTA FE AVE B, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
911	7-ELEVEN FOOD STORE #13662	8625 LOS COCHES RD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
912	JOHN SADLER'S AUTO REPAIR	609 FELICITA AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
913	THE CROSBY SPORTS CENTER TENNIS & SWIM GARDEN	16930 BING CROSBY BLVD, RANCHO SANTE FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
914	THE APPLE COUNTRY RESTAURANT	0 HIGHWAY 78, SANTA YSABEL, CA 92070	SAN DIEGUITO	905.54	Commercial	NO	NO
915	ALLIANCE COATINGS INC	1666 N MAGNOLIA AVE, SUITE# G, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
916	NORTHROP GRUMMAN/RYAN AERONAUTICAL CENTER	17066 GOLDENTOP RD, SAN DIEGO RIVER, CA 92127-2412	SAN DIEGUITO	905.11	Commercial	NO	NO
917	CANA CAFE	10752 COASTWOOD RD, SAN DIEGO RIVER, CA 92127-2400	SAN DIEGUITO	905.11	Commercial	NO	NO
918	SANCHEZ AUTO REPAIR	2285 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
919	MOLINA BROTHERS CATERING	2514 SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
920	DESERT SPORT R.V. INC.	1964 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
921	MOTOTECH	1968 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
922	LLANTERA USED TIRES	1974 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
923	CALIFORNIA CLASSIC CARS	2244 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
924	LAKE WOHLFORD CAFE	25484 LAKE WOHLFORD RD W39, ESCONDIDO, CA 92027-5620	CARLSBAD	904.63	Commercial	NO	NO
925	BURGER STOP	2506 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
926	REYES WHOLESALE ICE CREAM DISTRIBUTOR	2244 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
927	CHATEAU LAKE SAN MARCOS	1502 CIRCA DEL LAGO, SAN MARCOS, CA 92069	CARLSBAD	904.52	Commercial	NO	NO
928	LAKE SAN MARCOS COUNTRY CLUB	1750 SAN PABLO DR, SAN MARCOS, CA 92069	CARLSBAD	904.52	Commercial	NO	NO
929	SB PARADISE PAINTING	9380 BOND AVE B, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
930	USDA ANIMAL & HEALTH INSP. SERVICES	9380 BOND AVE A, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
931	GREG'S AUTOMOTIVE	1641 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
932	TRUE LINE WHEEL ALIGNMENT	210 BRADLEY AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
933	HONEY BEE SEPTIC PUMPING	2488 SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
934	VETERANS OF FOREIGN WARS #3783	2247 KELLY AVE, RAMONA, CA 92065-3017	SAN DIEGUITO	905.41	Commercial	NO	NO
935	THE INN AT RANCHO SANTA FE	16856 LINEA DEL CIELO, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
936	HAPPY CAR WASH & OIL CHANGE	126 W BRADLEY AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
937	CLIFTON MERCEDES	130 W BRADLEY AVE, EL CAJON, CA 92020-1290	SAN DIEGO RIVER	907.13	Commercial	NO	NO
938	MOM'S PIE HOUSE	2119 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
939	MINER'S DINER	2134 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
940	ROBERTSON'S EL CAJON BATCH PLANT	215 CYPRESS LN, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
941	FRAME & AXLE SERVICE OF EL CAJON	210 CYPRESS LN, EL CAJON, CA 92020-1602	SAN DIEGO RIVER	907.13	Commercial	NO	NO
942	SARAH ALLEN HORSE & RIDER TRAINING	30981 VIA PUERTA DEL SOL, BONSALL, CA 92003	SAN LUIS REY	903.11	Commercial	NO	YES
943	SAVOIR FAIRE/SANDRA BURNS DRESSAGE	405 CASSOU RD, SAN MARCOS, CA 92069-9500	CARLSBAD	904.53	Commercial	NO	NO
944	SCENIC VALLEY RANCH & HORSE TRANSPORTATION	27012 SCENIC VALLEY RD, RAMONA, CA 92065	SAN DIEGUITO	905.45	Commercial	NO	NO
945	SCRIPPS MIRAMAR SADDLEBREDS	10168 CAMINITO NUEZ, SAN DIEGO RIVER, CA 92131-2007	PENASQUITOS	906.10	Commercial	NO	NO
946	FALLBROOK CAR WASH	221 E ALVARADO ST, FALLBROOK, CA 92028-2910	SANTA MARGARITA	902.13	Commercial	NO	NO
947	PRODUCTIVE SHEET METAL FABRICATION	1666 MAGNOLIA AVE L, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
948	JOSE PEREIRA ENGINEERING & MECHANICAL, INC.	1730 MAGNOLIA AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Industrial	NO	NO
949	DAY & NIGHT POWER SWEEPING	1235 PIERRE WAY #A, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
950	A-POT RENTALS, INC.	9113 OLIVE DR, SPRING VALLEY, CA 91977-2304	SWEETWATER	909.12	Commercial	NO	YES
951	JIM FRENCH CUSTOM SHUTTERS	9248 OLIVE DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
952	V F W	9254 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
953	WEST COAST IRON INC	9302 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
954	LAKESIDE AUTO REPAIR & SALES	8225 WINTER GARDENS BLVD, LAKESIDE, CA 92040-5578	SAN DIEGO RIVER	907.13	Commercial	NO	NO
955	CALIFORNIA TRANSMISSION	8811 JAMACHA RD, SPRING VALLEY, CA 91977-4123	SWEETWATER	909.12	Commercial	NO	YES
956	STEWARTS AUTO REPAIR	9248 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
957	EL LEON MARKET	2506 S SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	NO
958	SITELLY'S DELI & CAFE	2363 APLINE BLVD, APLINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
959	CAFFE ADESSO	1140 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
960	VISTA PALOMAR RIDERS	973 LITTLE GOPHER CANYON RD, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	YES
961	WAGNER, GUY & CLAIRE	3615 N TWIN OAKS VALLEY RD, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
962	WARNER SPRINGS RANCH	31652 HY 79, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO
963	WELL'S FAMILY RANCH	13220 WILLOW RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
964	WHITE HORSE FARMS EQUESTRIAN CENTER	11757 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
965	WILLOW GLEN EQUESTRIAN	2017 WILLOW GLEN DR, EL CAJON, CA 92019-3904	SWEETWATER	909.21	Commercial	NO	NO
966	WINNETKA RANCH	1799 MOTHER GRUNDY TRUCK TRL, JAMUL, CA 91935	OTAY	910.36	Commercial	NO	NO
967	VALLEY POWDER COATING & SAND BLASTING	14372 OLDE HIGHWAY 80 C, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
968	SHORTY'S TIRE SHOP	807 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
969	VILLAGE EUROPEAN AUTO	137 W COLLEGE ST, FALLBROOK, CA 92028-2936	SANTA MARGARITA	902.13	Commercial	NO	NO
970	LA TORTA GIGANTE	2506 S SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	NO
971	AMERICA'S FINEST CORVETTES, INC.	136 N 10TH ST, RAMONA, CA 92065-2114	SAN DIEGUITO	905.41	Industrial	NO	NO
972	WAHOO'S FISH TACO	10436 CRAFTSMAN WAY, UNIT# 122, RANCHO SANTA FE, CA 92127	SAN DIEGUITO	905.41	Commercial	NO	NO
973	PEI WEI	10562 CRAFTSMAN WAY, UNIT# 190, RANCHO SANTA FE, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
974	SADDLE CREEK FARM	39948 DE LUZ RD, FALLBROOK, CA 92028-9704	SANTA MARGARITA	902.21	Commercial	NO	YES
975	SAID ARABIANS	1517 COUNTRY CLUB DR, ESCONDIDO, CA 92029-1839	CARLSBAD	904.62	Commercial	NO	YES
976	7-ELEVEN	10205 LAKE JENNINGS PARK RD, LAKESIDE, CA 92040-2527	SAN DIEGO RIVER	907.12	Commercial	NO	NO
977	LOS RANCHERITOS MEXICAN FOOD	10205 LAKE JENNINGS PARK RD, LAKESIDE, CA 92040-2527	SAN DIEGO RIVER	907.12	Commercial	NO	NO
978	MDG ENTERPRISES	12330 MAPLEVIEW ST, LAKESIDE, CA 92040-1738	SAN DIEGO RIVER	907.12	Industrial	NO	YES
979	RECTOR EQUIPMENT RENTAL	1309 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
980	KALIMAR FARMS	5827 WINLAND HILLS DR, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
981	KROUGH FAMILY RANCH, THE	35888 SR-79, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO
982	LA FLEUR RANCH	3150 OLD OAK TREE LN, ESCONDIDO, CA 92026-8444	CARLSBAD	904.62	Commercial	NO	YES
983	LITTLE GOPHER CANYON RANCH	1046 LITTLE GOPHER CANYON RD, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	YES
984	MARIANA FARM	18936 PARADISE MOUNTAIN RD, VALLEY CENTER, CA 92082	CARLSBAD	904.63	Commercial	NO	NO
985	MID RANCH EQUESTRIAN CENTER	11409 MORENO AVE, LAKESIDE, CA 92040-1438	SAN DIEGO RIVER	907.12	Commercial	NO	YES
986	MONARCH FARM	14775 EL MONTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.15	Commercial	NO	NO
987	MOUNTAIN VIEW RANCH	15665 EL MONTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.15	Commercial	NO	NO
988	MT MIGUEL EQUESTRIAN CNTR	5942 STEEPLECHASE RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
989	GLYN-RAE STABLES, INC.	17522 LYONS VALLEY RD, JAMUL, CA 91935-3741	OTAY	910.35	Commercial	NO	NO
990	HOUSE OF MANIFOLDS	2293 S. SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Industrial	NO	YES
991	HORSE OF THE SUN RANCH	28271 OLD HIGHWAY 80, PINE VALLEY, CA 91962	TIJUANA	911.30	Commercial	NO	NO
992	HUNTER EQUESTRIAN CENTER	1009 COUNTRY CLUB DR, ESCONDIDO, CA 92029	CARLSBAD	904.62	Commercial	NO	YES
993	WEST COAST SAND AND GRAVEL	12570 HIGHWAY 67, LAKESIDE, CA 92040-1159	SAN DIEGO RIVER	907.12	Commercial	NO	YES
994	U.S. GAS	3520 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91977-3144	SWEETWATER	909.12	Commercial	NO	NO
995	MC DONALD'S	3781 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
996	CIRCLE MARKET	3504 BANCROFT DR, SPRING VALLEY, CA 91977-2108	SWEETWATER	909.12	Commercial	NO	NO
997	VARGAS MARBLE	2568 SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.31	Industrial	NO	YES
998	RUTHIES CAFE DELI GROCERY	9410 APPLE ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
999	LA VIDA REAL, LLC	11588 VIA RANCHO SAN DIEGO RIVER, EL CAJON, CA 92019-5277	SWEETWATER	909.21	Commercial	NO	NO
1000	TARRA OAKS RANCH	1524 VIEJAS CREEK TRL, ALPINE, CA 91901	SWEETWATER	909.33	Commercial	NO	NO
1001	ROCKIN' L & D RANCH	1019 DEODAR RD, ESCONDIDO, CA 92026	CARLSBAD	904.62	Commercial	NO	YES
1002	ROCKING A RANCH	11135 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1003	ROCKY MOUNTAIN WARMBLOODS	3015 EL CAMINO DEL NORTE, RANCHO SANTA FE, CA 92067	CARLSBAD	904.61	Commercial	NO	NO
1004	ROPER RANCH	3390 BRIDLE CREEK LN, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
1005	SPOTS AND STRIPES RANCH	635 OLD JULIAN HWY, RAMONA, CA 92065-2982	SAN DIEGUITO	905.41	Commercial	NO	NO
1006	BAR NONE ARABIANS	11562 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1007	BAY POINT FARM	420 CASSOU RD, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
1008	BECKETT LAZY B RANCH	3948 ALTA LOMA DR, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
1009	BLOSSOM VALLEY ARABIANS & SPORT HORSE CENTER	14880 SHANTEAU DR, EL CAJON, CA 92021-2335	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1010	BLUE FOX FARM	9645 RANCHO DR, ESCONDIDO, CA 92029-8129	SAN DIEGUITO	905.21	Commercial	NO	NO
1011	BLUE SKY RANCH	38053 DE LUZ RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.21	Commercial	NO	YES
1012	BONITA EQUESTRIAN THERAPY	2974 EQUITATION LN, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
1013	BONITA VALLEY EQUESTRIAN CENTER, LLC	3501 ORCHARD HILL RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
1014	PROTECH AUTO SOLUTIONS	130 W BRADLEY AVE, EL CAJON, CA 92020-1290	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1015	AUTOBAHN WEST	210 W BRADLEY AVE B, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1016	DOSE BMW SERVICE & TRANSMISSION	215 DENNY WAY E, EL CAJON, CA 92020-1265	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1017	CHUCK TURNER AUTOMOTIVE	210 W BRADLEY AVE C, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1018	SID'S AUTO BODY	1129 BROADWAY, EL CAJON, CA 92021-4806	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1019	EL CAJON GRADING & ENGINEERING	13831 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1020	DELICIAS RESTAURANT	6106 PASEO DELICIAS, RANCHO SANTA FE, CA 92067	CARLSBAD	904.61	Commercial	NO	NO
1021	THE BRIDGES CLUB	18550 SEVEN BRIDGES RD, RANCHO SANTA FE, CA 92091-0216	CARLSBAD	904.61	Commercial	NO	NO
1022	MOOSE LODGE #1874	25721 JESMOND DENE RD, ESCONDIDO, CA 92026	CARLSBAD	904.62	Commercial	NO	NO
1023	POWER TIRES	2244 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1024	GLOBAL POWER GROUP, INC.	12060 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Commercial	NO	YES
1025	PACIFIC SOUTHWEST CONST EQUIP	204 GREENFIELD DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1026	SAN DIEGO RIVER POWER BRAKE	208 GREENFIELD DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1027	L. M. WATERPROOFING, ROOFING & SHEET METAL	663 GREENFIELD DR, EL CAJON, CA 92021-2983	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1028	SCHILLING CORPORATION	697 GREENFIELD DR, El CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1029	CC CARBURETOR CENTER	790 GREENFIELD DR, EL CAJON, CA 92021-3101	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1030	QUICK CORNER MARKET AND DELI	981 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1031	BRACEYS AUTO REPAIR & SERVICE	1145 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1032	HUGHES AUTOMOTIVE	1192 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1033	PROLINE AUTO CARE FACILITY	1212 GREENFIELD DR, EL CAJON, CA 92021-3316	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1034	CROSSLANDS AUTO CENTER	1243 GREENFIELD DR E - F, EL CAJON, CA 92021-3330	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1035	CENTRIC TRANSMISSION	1265 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1036	ACCURATE AUTOMOTIVE & MUFFLER	1272 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1037	PERSONALIZED AUTOWORKS BODY	1243 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1038	T & J UNIFIED AUTO	1112 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1039	ACE EXCAVATING & ENVIRONMENTAL	1020 GREENFIELD DR, EL CAJON, CA 92021-3225	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1040	EUROPEAN PORTABLE SANITATION/SLUDGEBUSTERS	321 B ST, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.41	Commercial	NO	NO
1041	MARTINEZ TILE	12118 INDUSTRY RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1042	RAMONA AUTO DISMANTLING	904 A ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
1043	FAMILY MARKET AND LIQUOR	2601 GRANGER AVE, NATIONAL CITY, CA 91950	SWEETWATER	909.12	Commercial	NO	NO
1044	JAMBA JUICE	10562 CRAFTSMAN WAY, UNIT# 191, RANCHO SANTA FE, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
1045	DALENZIE TORQUE CONVERTERS	2517 S SANTA FE AVE B, VISTA, CA 92083	CARLSBAD	904.32	Industrial	NO	YES
1046	HARVEST RANCH MINISTRIES	SAN VICENTE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1047	PANDA GARAGE	1325 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1048	ADVANCED AUTO REPAIR	1375 N MAGNOLIA AVE, EL CAJON, CA 92020-1619	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1049	LA PARADA	8215 WINTER GARDENS BLVD, LAKESIDE, CA 92040-5533	SAN DIEGO RIVER	907.13	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1050	BLUE APPLE RANCH	15444 MUSSEY GRADE RD, RAMONA, CA 92065	SAN DIEGO RIVER	907.21	Commercial	NO	NO
1051	BALLENA VISTA FARM	26353 OLD JULIAN HWY, RAMONA, CA 92065-6731	SAN DIEGUITO	905.45	Commercial	NO	NO
1052	RISING STORM STABLES	2635 N TWIN OAKS VALLEY RD, SAN MARCOS, CA 92069-9625	CARLSBAD	904.53	Commercial	NO	NO
1053	KELLY AUTOWORKS, INC. DBA GREG'S AUTOMOTIVE HELIX	4654 AVOCADO BLVD, LA MESA, CA 91941-7134	SWEETWATER	909.21	Commercial	NO	NO
1054	VW CLASSICS RECYCLING	1411 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1055	BRAGG CRANE SERVICE	12650 1/2 SR-67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1056	RITE AID	1670 MAIN ST, RAMONA, CA 92065-5240	SAN DIEGUITO	905.41	Commercial	NO	NO
1057	WRIGHT POOL PLASTERING	14367 OLDE HWY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1058	FIBERWERX	244 S MILLAR AVE, EL CAJON, CA 92020-4219	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1059	POOLSCAPE UNLIMITED, INC.	11645 RIVERSIDE DR, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1060	FANNIE'S NIGHTCLUB	9143 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1061	DESCANSO HAY AND FEED	9154 RIVERSIDE DR, DESCANSO, CA 91916	SWEETWATER	909.34	Commercial	NO	NO
1062	WEST COAST SCAFFOLD CORPORATION	9155 BIRCH ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1063	J. VASQUEZ TIRE	9202 JAMACHA RD, SPRING VALLEY, CA 91977-4201	SWEETWATER	909.12	Commercial	NO	YES
1064	C.A.R. AUTOMOTIVE	9245 OLIVE DR, SPRING VALLEY, CA 91977-2306	SWEETWATER	909.12	Commercial	NO	YES
1065	AUTO SMOG SPECIALIST	2506 SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
1066	LOMACK SERVICE CORP.	2259 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1067	CUPS & CONES	12481 WOODSIDE AVE AVE, LAKESIDE, CA 92040-3027	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1068	SUBWAY #12321	9805 CAMPO RD, SPRING VALLEY, CA 91977-1410	SWEETWATER	909.12	Commercial	NO	NO
1069	ANTONELLI'S DELI/CATERING	1354 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1070	MATT'S CADDY SHACK	1475 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1071	GOLDEN EAGLE	27236 HIGHWAY 78, RAMON, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1072	GRINDSTONE FARM	20462 FORTUNA DEL SUR, ESCONDIDO, CA 92029	CARLSBAD	904.61	Commercial	NO	NO
1073	HALSEY TRAINING CENTER	11666 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1074	HAZY MEADOW, INC.	15466 EL MONTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.15	Commercial	NO	NO
1075	HEARTLAND RANCH EQUESTRIAN CENTER	12139 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1076	HIDDEN FOX FARMS	3029 LA CRESTA RD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1077	BONEAFIDE PETS	2910 SR-79, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1078	VALLEY FARMS MARKET	9040 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1079	HANSON'S-VIGILANTE	12535 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	YES	YES
1080	BAXTER BLASTING AND DRILLING	12485 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.13	Industrial	NO	YES
1081	INLAND PACIFIC RESOURCE RECOVERY, INC.	12650 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1082	EDDY PUMP	15405 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
1083	SUPERIOR CABINETS	8157 WING AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1084	CALAMIA CUSTOMS	2321 S. SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1085	LSI ROAD MARKING	14219 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1086	RAMCO PETROLEUM NO. 5	1913 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1087	GREYWOOD KENNELS	9078 WINTER GARDENS BLVD, LAKESIDE, CA 92040-4937	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1088	VARSITY KENNELS	8447 WINTER GARDENS BLVD, LAKESIDE, CA 92040-5410	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1089	ARCO-PRESTIGE STATIONS #5297	26915 MESA ROCK RD, ESCONDIDO, CA 92026	CARLSBAD	904.53	Commercial	NO	NO
1090	JACK IN THE BOX #66	1465 S MISSION RD, FALLBROOK, CA 92028-4010	SAN LUIS REY	903.12	Commercial	NO	NO
1091	VILLAGE MARKET LIQUOR DELI	1510 S MISSION RD, FALLBROOK, CA 92028-4134	SAN LUIS REY	903.12	Commercial	NO	NO
1092	C.E. WILSON CORPORATION	662 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1093	SAN DIEGO RIVER CONSTRUCTION WELDING	1167 SWEETWATER LN, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1094	EBCO STEEL INC	1355 PRESIOCA ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1095	CRM AUTOMOTIVE REPAIR	821 RANCHO SANTA FE RD, SAN MARCOS, CA 92069	CARLSBAD	904.52	Commercial	NO	NO
1096	CAPRI BLU	10436 CRAFTSMAN WAY, SUITE# 120, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
1097	CSI, INC	8131 WING AVE, EL CAJON, CA 92020-1247	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1098	THE GREEK SOMBRERO	12891 CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.12	Commercial	NO	NO
1099	FALLBROOK CERAMIC TILE SUPPLY	1557 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	NO
1100	SUNSHINE SUMMIT TRUE VALUE HARDWARE	35230 HY 79, WARNER SPRINGS, CA 92086	SANTA MARGARITA	902.93	Commercial	NO	NO
1101	4 PAWS FLYING PET RESORT	9400 BLOSSOM VALLEY RD, EL CAJON, CA 92021-2307	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1102	CANINE LODGE	9912 BLOSSOM VALLEY RD, EL CAJON, CA 92021-2203	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1103	CALIFORNIA BED & BISCUIT	17959 BLUEGRASS RD, RAMONA, CA 92065-6909	SAN DIEGUITO	905.41	Commercial	NO	NO
1104	KRITTER KAMP	25155 CREEK HOLLOW DR, RAMONA, CA 92065	SAN DIEGUITO	905.43	Commercial	NO	NO
1105	LISA'S FUR.BABIES PET SITTING SERVICE	13637 CUESTA DEL SOL, LAKESIDE, CA 92040-4809	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1106	KARENS CRITTER CARE	23846 HUMISTON WAY, RAMONA, CA 92065	SAN DIEGO RIVER	907.23	Commercial	NO	NO
1107	CHERYL S. CRITTER CARE	4631 LA CANADA RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	YES
1108	JUST LIKE HOME K-9 BOARDING	28790 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
1109	JP MARINE	10046 MAINE AVE, LAKESIDE, CA 92040-3110	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1110	MEL'S WELDING, SOUTH	2241 S SANTA FE AVE, VISTA, CA 92083-8040	CARLSBAD	904.32	Commercial	NO	YES
1111	OLIVAS AUTO BODY & PAINT	8802 TROY ST, SPRING VALLEY, CA 91977-2637	SWEETWATER	909.12	Commercial	NO	YES
1112	SHAW EQUIPMENT RENTALS INC	3320 BRIDLE CREEK LN, CA	CARLSBAD	904.53	Commercial	NO	NO
1113	SUCCESS PROGRAM	10197 RIVERFORD RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1114	MAJESTIC STONEWORKS, INCORPORATED	1254 PIERRE WAY, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1115	RUST & SONS TRUCKING, INC.	15353 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1116	HANSON'S - SLAUGHTERHOUSE CANYON	12560 HWY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1117	THE AUTO PLACE	1936 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1118	HOMESTEAD SHEET METAL	9031 MEMORY LN, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1119	MILLER PAVING CORPORATION	9236 OLIVE DR, SPRING VALLEY, CA 91977-2305	SWEETWATER	909.12	Commercial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1120	GEORGE NEUMANN AUTOMOTIVE	10039 MAINE AVE, LAKESIDE, CA 92040-3109	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1121	CAR IMAGE, INC.	8821 JAMACHA RD, SPRING VALLEY, CA 91977-4123	SWEETWATER	909.12	Commercial	NO	YES
1122	ROMAN'S DESIGN	1939 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
1123	JAG'S	29000 LILAC RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
1124	CASA REVELES MEXICAN SEAFOOD	29000 LILAC RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
1125	RAMONA LANDFILL	20630 PAMO RD, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.52	Industrial	NO	NO
1126	D & S EXCAVATION & GUNITE	9320 CHIMNEY ROCK LN, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1127	PAPA'S PIZZA	2844 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1128	LOZANO'S MOBILE REPAIR	9020 MEMORY LN, SUITE# F, SPRING VALLEY, CA 91977-2161	SWEETWATER	909.12	Commercial	NO	YES
1129	SPRING VALLEY INN	9034 CAMPO RD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
1130	WHITMORE STEEL, INC	9075 BIRCH ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1131	BRUCE MOTORWORKS	9085 HARNESS ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1132	OTERO'S	9095 HARNESS ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1133	LA CASITA MEXICAN FOOD	1503 N MAGNOLIA AVE, SUITE# A, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1134	USA GASOLINE	1525 MAGNOLIA AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1135	IN-N-OUT BURGER #73	1541 MAGNOLIA AVE, EL CAJON, CA 92020-1225	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1136	EL REAL MEXICAN FOOD	1558 N MAGNOLIA AVE, SUITE# B, EL CAJON, CA 92020-1219	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1137	SUBWAY SANDWICHES #1945	1558 N MAGNOLIA AVE, SUITE# A, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1138	FAIRBROOK FARM	4949 S MISSION RD, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	YES
1139	OTAY WATER RALPH W. CHAPMAN PLANT	11900 SINGER LN, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Industrial	YES	NO
1140	CALIFORNIA IRON AND STEEL	9332 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1141	RENAISSANCE COUNTERS AND SURFACES, INC.	501 INDUSTRIAL WAY, FALLBROOK, CA 92026	SANTA MARGARITA	902.13	Industrial	NO	NO
1142	RAMONA ACE HARDWARE	652 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1143	FORTH DOWNS/SARAH CLARKE	2885 ECHO VALLEY RD, JAMUL, CA 91935-3027	OTAY	910.32	Commercial	NO	NO
1144	FOX RUN FARM	3228 N TWIN OAKS VALLEY RD, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
1145	FRACCHIOLLA RANCH	9018 VERNAL LN, DESCANSO, CA 91916	SWEETWATER	909.34	Commercial	NO	NO
1146	JOEL D WHITE SHOW HORSES	2357 VIA MONSERATE, FALLBROOK, CA 92028	SAN LUIS REY	903.12	Commercial	NO	YES
1147	ORCHARD MARKETPLACE	1326 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1148	MAGGIE MOO'S ICE CREAM AND TREATERY	10550 CRAFTSMAN WAY, UNIT# 182, SAN DIEGO RIVER, CA 92127-3507	SAN DIEGUITO	905.11	Commercial	NO	NO
1149	TRAURIG, BERNIE	3485 N TWIN OAKS VALLEY RD, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
1150	TRIPLE S RANCH	15476 EL MONTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.15	Commercial	NO	NO
1151	UNBRIDLED, LTD	14085 OAKWOOD GLEN PL, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	YES
1152	FALLBROOK QWIK LUBE	1119 MISSION RD, FALLBROOK, CA 92082	SANTA MARGARITA	902.13	Commercial	NO	NO
1153	MICKEY'S METALCRAFT	14392 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
1154	PATRIOT CONCRETE & LANDSCAPE	2517 S SANTA FE AVE B, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1155	BTC FRAMING INC.	116 AZALEA DR, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1156	DENNY'S	2642 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1157	Z WOODWORK	2518 S SANTA FE AVE B, VISTA, CA 92083	CARLSBAD	904.32	Industrial	NO	YES
1158	TROY AUTO TRANSMISSION AND REPAIR	8655 TROY ST, SUITE# B, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1159	FALLBROOK AUTO BODY & PAINT	1127 E MISSION RD, FALLBROOK, CA 92028-2231	SANTA MARGARITA	902.13	Commercial	NO	NO
1160	ALBERTSONS #6786	1133 S MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1161	COACH WERX RV COLLISION REPAIR	10717 AIRPORT DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1162	PECK'S HEAVY FRICTION & CLUTCH	1301 PEPPER DR, EL CAJON, CA 92021-1582	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1163	EDCO - FALLBROOK	550 W. AVIATION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
1164	ROCK SOLID STONE, INC.	308 INDUSTRIAL WAY, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
1165	HERNANDEZ HIDEAWAY	19320 LAKE DR, ESCONDIDO, CA 92029	SAN DIEGUITO	905.21	Commercial	NO	NO
1166	HIGHWAY 67 TRUCK DISMANTLERS	12650 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1167	TACO BELL #4862	1561 N MAGNOLIA AVE, EL CAJON, CA 92020-1225	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1168	SUPERIOR READY MIX - FALLBROOK	1415 ALTURAS RD, FALLBROOK, CA. 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
1169	SOUTHLAND READY MIX	12117 INDUSTRY RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1170	CAT & DOGGIE WORKS	1764 N 02ND ST C, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1171	JOE'S PAVING	28419 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
1172	KENNEDY'S KENNELS	8934 CREEKFORD DR, LAKESIDE, CA 92040-3702	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1173	BURNS AND SONS TRUCKING	9157 OLIVE DR, SPRING VALLEY, CA 91977-2304	SWEETWATER	909.12	Industrial	NO	YES
1174	NATIONAL CONSTRUCTION RENTALS	9148 BIRCH ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1175	MINSHEW BROTHERS STEEL CONSTRUCTION	12578 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1176	V F W POST #9578-BERT FULLER	844 TAVERN RD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1177	ANGELICA'S PET GROOMING	12113 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1178	MODERN STAIRWAYS INC.	3239 BANCROFT DR, SPRING VALLEY, CA 91977-2613	SWEETWATER	909.12	Industrial	NO	YES
1179	SUN RANCH	30981 VIA PUERTA DEL SOL, BONSALL, CA 92003	SAN LUIS REY	903.11	Commercial	NO	YES
1180	SUNNYSIDE STOCK FARM, LLC	5682 SWEETWATER RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
1181	SWEETWATER HORSES INC.	3051 EQUITATION LN, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	YES
1182	AMBIENTE RANCH LUSITANOS & ANDALUSIANS	16305 SALIDA DEL SOL, RAMONA, CA 92065	SAN DIEGUITO	905.21	Commercial	NO	NO
1183	ANGEL ACRES	11123 MORENO AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1184	ANGIE GOMEZ DRESSAGE STABLES	29627 PAMOOSA LN, VALLEY CENTER, CA 92082	SAN LUIS REY	903.13	Commercial	NO	NO
1185	ALL WAYS RECYCLING	1425 MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1186	CALIFORNIA CONNECTION	156 MAPLE ST, RAMOMA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1187	JIM BOB'S TIRES	10116 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1188	BONITA FOODS	311 N MAIN AVE, FALLBROOK, CA 92028-1960	SANTA MARGARITA	902.13	Commercial	NO	NO
1189	SILVER SUNSET FARMS	952 LITTLE GOPHER CANYON RD, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1190	MISSION TRUSS	12538 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	NO
1191	SUNSET HORSE RANCH	14287 CLARKVIEW LN, SAN DIEGO RIVER, CA 92130	SAN DIEGUITO	905.11	Commercial	NO	NO
1192	SUPERIOR READY MIX- SAN MARCOS	28474 N. TWIN OAKS VALLEY RD, SAN MARCOS, CA 92069	SAN LUIS REY	903.12	Industrial	NO	NO
1193	MATA'S AUTO BODY REPAIR	819 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1194	ALPHA FENCE CO.	819 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1195	DIAMOND CONCRETE SUPPLY, INC.	10124 CHANNEL RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1196	SYNFAST OIL CHANGE	483 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1197	FAR WEST AMERICAN IRON, INC.	2534 SANTE FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Industrial	NO	YES
1198	7-ELEVEN, INC.	5188 BONITA RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
1199	EXPRESS SMOG AND AUTO REPAIR	8901 JAMACHA RD, SPRING VALLEY, CA 91977-4133	SWEETWATER	909.12	Commercial	NO	YES
1200	ROBERTSON'S	2266 WILLOW GLEN RD, EL CAJON, CA 92019-3907	SWEETWATER	909.21	Industrial	NO	NO
1201	J. CLOUD, INC.	2094 WILLOW GLEN DR, EL CAJON, CA 92019-3903	SWEETWATER	909.21	Industrial	NO	NO
1202	DOLLAR TREE	1853 MAIN ST, SUITE# G, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1203	LITTLE CAESAR'S PIZZA	1853 - 1855 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1204	JAMACHA ROCK QUARRY - SUPERIOR READY MIX	1720 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.22	Industrial	NO	NO
1205	RECYCLE ON EARTH	1230 OLIVE ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Industrial	NO	NO
1206	LAYFIELD	2500 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
1207	IHOP RESTAURANT #825	8747 BROADWAY, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
1208	GRECIAN CAFE	9676 CAMPO RD, SUITE# C, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1209	ARB INC.	9201 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1210	SHELL - FALLBROOK	936 E MISSION RD, FALLBROOK, CA 92028-2218	SANTA MARGARITA	902.13	Commercial	NO	NO
1211	MCDONALD'S - FALLBROOK	1050 S MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1212	JAMACHA BLVD. AUTO REPAIRS	9533 JAMACHA BLVD, SUITE# B, SPRING VALLEY, CA 91977	SWEETWATER	909.21	Commercial	NO	NO
1213	MILLER'S TOWING	156 MAPLE ST, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.41	Commercial	NO	NO
1214	ONE STOP EQUIPMENT RENTAL	0 A, SAN DIEGO RIVER - DEFAULT CITY, CA 99999	SAN DIEGUITO	905.41	Commercial	NO	NO
1215	JACK IN THE BOX #73	1047 SWEETWATER RD, SPRING VALLEY, CA 91977-4026	SWEETWATER	909.12	Commercial	NO	NO
1216	NEW CHINA RESTAURANT	9142 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1217	KOCH-ARMSTRONG	15315 OLDE HIGHWAY 80, EL CAJON, CA 92021-2408	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1218	MARDI GRAS CAFE & CAJUN MARKET	2533 FOLEX WAY, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
1219	ENNISS MATERIALS	12535 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Industrial	NO	YES
1220	WEST COAST TRUCK & AUTO	630 E ALVARADO ST, FALLBROOK, CA 92028-2314	SANTA MARGARITA	902.13	Commercial	NO	NO
1221	FLATLINE READY MIX	15275 OLDE HIGHWAY 80, EL CAJON, CA 92021-2406	SAN DIEGO RIVER	907.14	Industrial	NO	NO
1222	WILLOW SAND RESOURCES - SUPERIOR READY MIX	12455 WILLOW RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	YES	YES
1223	MARTIN'S MACHINE SHOP	8655 TROY ST, SPRING VALLEY, CA 91977-2535	SWEETWATER	909.12	Commercial	NO	YES
1224	A.S. AUTO BODY	8921 TROY ST, SUITE# B, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1225	LORETO'S MEXICAN FOOD	3546 BANCROFT DR, SPRING VALLEY, CA 91977-2170	SWEETWATER	909.12	Commercial	NO	NO
1226	KISSINGER TRUCK	14367 OLD HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	YES	NO
1227	A-1 IRRIGATION - DO IT BEST HARDWARE	28511 COLE GRADE RD, VALLEY CENTER, CA 92082-6574	SAN LUIS REY	903.16	Commercial	NO	NO
1228	BLUES AUTO & BODY REPAIR	3701 BANCROFT DR, SUITE# D, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1229	SALOMON BODY WORKS	9020 MEMORY LN, SUITE# J, SPRING VALLEY, CA 91977-2161	SWEETWATER	909.12	Commercial	NO	YES
1230	GABE AUTO SERVICE & REPAIR	9020 MEMORY LN, SUITE# P, SPRING VALLEY, CA 91977-2161	SWEETWATER	909.12	Commercial	NO	YES
1231	JESUS AUTO BODY & PAINT	9020 MEMORY LN, SUITE# S, SPRING VALLEY, CA 91977-2161	SWEETWATER	909.12	Commercial	NO	YES
1232	JOSE'S AUTO BODY	9020 MEMORY LN, SUITE# I, SPRING VALLEY, CA 91977-2161	SWEETWATER	909.12	Commercial	NO	YES
1233	RAMONA AUTO DISMANTLING	904 A ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1234	CSV. COLLISION & REPAIR	9020 MEMORY LN, SUITE# W, SPRING VALLEY, CA 91977-2161	SWEETWATER	909.12	Commercial	NO	YES
1235	PARADOX AUTO REPAIR	3732 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1236	PERRY ELECTRIC	11245 EL NOPAL, LAKESIDE, CA 92040-2207	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1237	FLEXIDER USA	15303 OLDE HIGHWAY 80, EL CAJON, CA 92021-2408	SAN DIEGO RIVER	907.14	Industrial	YES	NO
1238	SPRING VALLEY ENVIRONMENTAL SERVICES, INC.	8743 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1239	JOHN'S TIRE SHOP	8769 TROY ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1240	M & M RECYCLING CENTER	1485 N MAGNOLIA AVE, EL CAJON, CA 92020-1621	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1241	X-PRESS TRANSMISSION	9020 MEMORY LN, SUITE# K, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1242	KING CONCRETE	15275 OLDE HIGHWAY 80, EL CAJON, CA 92021-2406	SAN DIEGO RIVER	907.14	Industrial	NO	NO
1243	MOODY CREEK FARMS	31257 VIA MARIA ELENA, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	YES
1244	VESSELS STALLION FARM LLC	5820 W. LILAC RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	YES
1245	FIBRE RESOURCES	3833 BANCROFT DR, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1246	SLR TRAINING CENTER INC.	5772 CAMINO DEL REY, BONSALL, CA 92003-3710	SAN LUIS REY	903.12	Commercial	NO	YES
1247	COMMONWEALTH MILLWORKS	611 MERCANTILE ST, VISTA, CA 92083-5918	CARLSBAD	904.32	Industrial	NO	YES
1248	ABLE POWDER COATING AND SANDBLASTING	1666 MAGNOLIA AVE K, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1249	23 PARTNERSHIP LLC	3154 LADY BUG LN, SAN MARCOS, CA 92069	CARLSBAD	904.53	Commercial	NO	NO
1250	JEREMY'S ON THE HILL	4354 HY 78, SANTA YSABEL, CA 92070	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1251	DONATO'S ITALIAN RESTAURANT	2654 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1252	ALPINE INN	2225 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1253	RITE AID #6225	1665 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1254	ALPANCHOS MEXICAN RESTAURANT	2139 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1255	ALPINE AUTO REPAIR	2417 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1256	ALPINE EQUIPMENT RENTALS	2110 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1257	ALPINE BOULEVARD 76	2232 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1258	CARIBE RESTAURANT & NIGHT CLUB	5080 BONITA RD B3, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
1259	BONITA VALLEY AUTOCARE INC	3995 BONITA RD, BONITA, CA 91902-1230	SWEETWATER	909.12	Commercial	NO	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1260	EAST COUNTY LUMBER & RANCH SUPPLY	995 FORREST GATE RD, CAMPO, CA 91906	TIJUANA	911.82	Commercial	NO	NO
1261	OAK SHORES MALT SHOP	2425 LAKE MORENA DR, CAMPO, CA 91906	TIJUANA	911.50	Commercial	NO	NO
1262	FILIPINO FIESTA	9766 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1263	CUBE-AIRE REFRIGERATION	9933 CHANNEL RD, LAKESIDE, CA 92040-3003	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1264	THE BREAKFAST HOUSE	1464 GRAVES AVE, EL CAJON, CA 92021-8981	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1265	RAMEROS CUSTOM AUTO	208 GREENFIELD DR, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1266	COASTAL CONCRETE INNOVATIONS	13685 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1267	PISTACHIO'S SWEETS AND BAKERY	2441 JAMACHA RD, SUITE# 106, EL CAJON, CA 92019-6318	SWEETWATER	909.12	Commercial	NO	NO
1268	SYNFAST OIL CHANGE	2926 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1269	DOLCI CAFE ITALIANO	2650 JAMACHA RD, EL CAJON, CA 92019-6316	SWEETWATER	909.21	Commercial	NO	NO
1270	SAHARA TASTE OF THE MIDDLE EAST	2990 JAMACHA RD, EL CAJON, CA 92019-4376	SWEETWATER	909.21	Commercial	NO	NO
1271	ROUND TABLE PIZZA	2650 JAMACHA RD, EL CAJON, CA 92019-6316	SWEETWATER	909.21	Commercial	NO	NO
1272	ANIMAL CARE CLINIC	2650 JAMACHA RD, SUITE# 159, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1273	OLD CAMPO MEXICAN & SEAFOOD RESTAURANT	1480 JAMACHA RD, SUITE# 203, EL CAJON, CA 92019	SWEETWATER	909.22	Commercial	NO	NO
1274	ALBERT'S	1530 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.22	Commercial	NO	NO
1275	DI LEONE'S ITALIAN RESTAURANT	1480 JAMACHA RD, SUITE# 205, EL CAJON, CA 92019	SWEETWATER	911.21	Commercial	NO	NO
1276	7-ELEVEN #29518	2441 JAMACHA RD, EL CAJON, CA 92019-6318	SWEETWATER	909.21	Commercial	NO	NO
1277	76 STATION	898 BROADWAY, EL CAJON, CA 92021-4637	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1278	D & R AUTO REPAIR	12650 HY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1279	ARCTIC AUTOMOTIVE & TRANSMISSION	121 E BRADLEY AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1280	EAST COUNTY GAS	8575 LOS COCHES RD 03, EL CAJON, CA 92021-8807	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1281	EAST COUNTY DRIVESHAFT SPECIALIST	1467 N MAGNOLIA AVE, EL CAJON, CA 92020-1621	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1282	KARLA'S MEXICAN FOOD	14110 OLD HIGHWAY 80, EL CAJON, CA 92021-2878	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1283	MARECHIARO'S ITALIAN RESTAURNT	14120 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1284	RENEGADE BAR	14335 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1285	MOBILE SYNTHETIC BAJA	12020 ROYAL RD, EL CAJON, CA 92021-1434	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1286	CHEF CHINA	9726 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1287	SUBWAY #28654	2615 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978-1709	SWEETWATER	909.21	Commercial	NO	NO
1288	ARCO	1161 S MAIN AVE, FALLBROOK, CA 92028-3326	SANTA MARGARITA	902.13	Commercial	NO	NO
1289	HUNAN PLACE	1145 MAIN AVE, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1290	RANCHO JAMUL AUTOCARE	13975 SR-94, JAMUL, CA 91935	OTAY	910.33	Commercial	NO	NO
1291	UNITED RENTALS/HI REACH	12206 INDUSTRY RD, LAKESIDE, CA 92040-1747	SAN DIEGO RIVER	907.14	Commercial	NO	YES
1292	RDO EQUIPMENT CO.	10108 RIVERFORD RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1293	COASTAL POOL CONSTRUCTION	1458 GREENFIELD DR, EL CAJON, CA 92021-3415	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1294	ROSARITO'S MEXICAN FOOD	9562 WINTER GARDENS BLVD, LAKESIDE, CA 92040-4065	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1295	SARAI'S TACO SHOP	10143 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1296	LAKESIDE VALERO	12106 WOODSIDE AVE, LAKESIDE, CA 92040-3012	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1297	TRAILERS PLUS	12024 WOODSIDE AVE, LAKESIDE, CA 92040-2916	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1298	RAMONA TRANSMISSION	136 N 10TH ST, SUITE# I, RAMONA, CA 92065-2114	SAN DIEGUITO	905.41	Commercial	NO	NO
1299	CHARLIE'S GARAGE	402 14TH ST, RAMONA, CA 92065-2738	SAN DIEGUITO	905.41	Commercial	NO	NO
1300	R.A.E.	415 9TH ST, RAMONA, CA 92065-2322	SAN DIEGUITO	905.41	Commercial	NO	NO
1301	MIKE'S LIQUOR	228 KALBAUGH ST, RAMONA, CA 92065-3828	SAN DIEGUITO	905.41	Commercial	NO	NO
1302	TRACTION TIRE AND SERVICE CENTER	1811 MAIN ST, RAMONA, CA 92065-2521	SAN DIEGUITO	905.41	Commercial	NO	NO
1303	AMICI'S PIZZA AND SUBS	1411 - 1433 MAIN ST, RAMONA, CA 92065-2128	SAN DIEGUITO	905.41	Commercial	NO	NO
1304	OIL CHANGERS	1801 MAIN ST, RAMONA, CA 92065-2521	SAN DIEGUITO	905.41	Commercial	NO	NO
1305	BJ'S EQUIPMENT RENTAL	2055 MAIN ST, RAMONA, CA 92065-2525	SAN DIEGUITO	905.41	Commercial	NO	NO
1306	SIX AUTO RAMONA	453 MAIN ST, RAMONA, CA 92065-2039	SAN DIEGUITO	905.41	Commercial	NO	NO
1307	EILER TIRES AND BRAKE	1743 MAIN ST, SUITE# A, RAMONA, CA 92065-2211	SAN DIEGUITO	905.41	Commercial	NO	NO
1308	NORTH GATE MARKET	1346 S. MISSION RD, FALLBROOK, CA. 92028	SAN LUIS REY	903.12	Commercial	NO	NO
1309	DAVE'S PRESTIGE COLLISION SERVICE	1050 OLIVE ST, SUITE# A, RAMONA, CA 92065-1867	SAN DIEGUITO	905.41	Commercial	NO	NO
1310	THE OAKS GRILL AT SAN VICENTE INN AND GOLF CLUB	24157 SAN VICENTE RD, RAMONA, CA 92065-4166	SAN DIEGO RIVER	907.23	Commercial	NO	NO
1311	CANDIED APPLE PASTRY COMPANY	2128 4TH ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1312	BASEL'S BODY & FRAME	104 10TH ST, RAMONA, CA 92065-2103	SAN DIEGUITO	905.41	Commercial	NO	NO
1313	DAVE'S COMPLETE AUTO REPAIR	310 13TH ST, RAMONA, CA 92065-2732	SAN DIEGUITO	905.41	Commercial	NO	NO
1314	JULIAN CAFE AND BAKERY INC	2112 MAIN ST, RAMONA, CA 92065	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1315	VP RACING FUELS	6089 LA FLECHA, RANCHO SANTA FE, CA 92067	SAN DIEGUITO	905.11	Commercial	NO	NO
1316	RANCHO SANTA FE BISTRO	6024 PASEO DELICIAS, SUITE# C, RANCHO SANTA FE, CA 92067-9512	CARLSBAD	904.61	Commercial	NO	NO
1317	SAN DIEGO RIVER GAS & CAR WASH	16629 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127-3488	SAN DIEGUITO	905.11	Commercial	NO	NO
1318	LAKEHOUSE CAFE	1030 LA BONITA DR, UNIT# 334, SAN MARCOS, CA 92078-5291	CARLSBAD	904.52	Commercial	NO	NO
1319	LA POSTA	9914 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1320	RAMONA AUTOMOTIVE	1936 MAIN ST, RAMONA, CA 92065-2524	SAN DIEGUITO	905.41	Commercial	NO	NO
1321	HABANEROS	13881 CAMPO RD, JAMUL, CA 91935-3208	SWEETWATER	909.21	Commercial	NO	NO
1322	CD AUTO REPAIR	10010 CASA DE ORO BLVD, SUITE# A, SPRING VALLEY, CA 91977-1743	SWEETWATER	909.12	Commercial	NO	YES
1323	LA PRESA MARKET	9307 JAMACHA BLVD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1324	LINLEE'S	501 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1325	PIZZA HUT - SPRING VALLEY	8300 PARADISE VALLEY RD, SPRING VALLEY, CA 91977-6223	SWEETWATER	909.12	Commercial	NO	NO
1326	SOCAL COMMERCIAL EXTERIORS	3411 E ST, SAN DIEGO RIVER, CA 92102-3335	SWEETWATER	909.12	Commercial	NO	YES
1327	VISTA TIRE EXPERTS	2259 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1328	ORTEGA'S AUTO BODY	2538 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1329	LITTLE CAESAR'S	539 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1330	PALOMO TACO SHOP	507 SWEETWATER RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1331	RAMBERTO'S MEXICAN FOOD	1039 SWEETWATER RD, SPRING VALLEY, CA 91977-4026	SWEETWATER	909.12	Commercial	NO	NO
1332	VISTA AUTOBODY AND MECHANIC	2305 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1333	WIENERSCHNITZEL #413	3523 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978-1044	SWEETWATER	909.12	Commercial	NO	NO
1334	EZ RENTAL & APPLIANCE RECYCLER	116 AZALEA DR C, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	YES
1335	CHEVRON	2615 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978-1709	SWEETWATER	909.21	Commercial	NO	NO
1336	PARTINOS	28746 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
1337	TECATE SUBS AND DELI	447 TECATE RD, TECATE, CA 91980	TIJUANA	911.81	Commercial	NO	NO
1338	ARMSTRONG FEED & SUPPLY	28520 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
1339	MARTIN STUDIO, INC.	8021 WING AVE, EL CAJON, CA 92020-1245	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1340	GARDEN FARMS MARKET	12580 LAKESHORE DR, LAKESIDE, CA 92040-3125	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1341	MI CASA RIVELES RESTAURANT	724 MAIN ST, RAMONA, CA 92065-2046	SAN DIEGUITO	905.41	Commercial	NO	NO
1342	CLEANLINE CONSTRUCTION SERVICES	9081 BIRCH ST, SPRING VALLEY, CA 91977-4108	SWEETWATER	909.12	Commercial	NO	YES
1343	BPC/BASAKA PETROLEUM	9111 CAMPO RD, SPRING VALLEY, CA 91977-1116	SWEETWATER	909.12	Commercial	NO	NO
1344	JULIAN MEADOW VIEW INN	2323 FARMER RD, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1345	PEDRO'S COCINA MEXICANA	3515 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978	SWEETWATER	909.12	Commercial	NO	NO
1346	VILLAGE INN	127 W ELDER ST, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1347	CHARLIE'S HUB CAPS	1456 N MAGNOLIA AVE, EL CAJON, CA 92020-1607	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1348	CAMERON CORNERS CONVENIENT STORE	31484 HWY 94, CAMPO, CA 91906	TIJUANA	911.82	Commercial	NO	NO
1349	ALBERT'S MEXICAN	13334 HIGHWAY 8 BUSINESS, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1350	POWDER 1 INCORPORATED	705 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Industrial	NO	NO
1351	CUSTOM POOL PLASTERING	8045 WING AVE, EL CAJON, CA 92020-1245	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1352	SOUPS AND SUCH	2000 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1353	EASTBOUND BAR & GRILL	10053 MAINE AVE, LAKESIDE, CA 92040-3109	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1354	GREEN LEAF POOL PLASTERING	16107 OAKLEY RD, RAMONA, CA 92065-4227	SAN DIEGO RIVER	907.23	Commercial	NO	NO
1355	PRO-FLAME	1363 WALNUT ST, RAMONA, CA 92065-1840	SAN DIEGUITO	905.41	Commercial	NO	NO
1356	RAMCO PETROLEUM	30351 HIGHWAY 78, SANTA YSABEL, CA 92070	SAN DIEGUITO	905.54	Commercial	NO	NO
1357	ALVIN'S UPHOLSTRY	11938 CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
1358	FERRELL GAS	28419 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
1359	BROWN BULK TRANSPORTATION DBA JBT	28329 COLE GRADE RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
1360	VALLEY CENTER INDUSTRIES	28404 LIZARD ROCKS RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.16	Commercial	NO	NO
1361	RANCHO DEL ORO TOWING DBA SAN DIEGO RIVER TRUCK FLEET	2476 S SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
1362	GONZALEZ AUTO REPAIR	14473 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1363	VERN BAKER MOBILE	2496 SANTA FE AVE, VISTA, CA 92084	CARLSBAD	904.32	Commercial	NO	YES
1364	MENCHIE'S	2471 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1365	YI SUSHI	2650 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1366	SPINNERS	2654 JAMACHA RD, SUITE# 101A, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1367	SOAPY JOE'S AUTO CARE & CARWASH	2658 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1368	BLACK RHINO	9303 - 5666 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1369	AIR MANAGEMENT SYSTEMS	9302 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1370	NICKS AUTO SERVICE & REPAIR	9302 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1371	EVANS TIRE & SERVICE CENTERS	1472 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1372	SUBWAY	1480 JAMACHA RD, SUITE# 201, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1373	IHOP #3205	3637 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
1374	TAPPI SUSHI & GRILL	3709 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.12	Commercial	NO	NO
1375	FORTIN RACING, INC.	9422 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	YES	NO
1376	O'REILLY AUTO PARTS	10050 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1377	CULLY REPAIR	1043 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1378	THAI TIME	2330 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1379	JIMPER GARAGE	8934 TROY ST, UNIT# A, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1380	GUSTO'S AUTO REPAIR	8938 TROY ST, UNIT# A, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1381	JC QUARTER HORSES	15731 LYONS VALLEY RD, JAMUL, CA 91935	OTAY	910.34	Commercial	NO	NO
1382	GRANNY'S KITCHEN	1921 MAIN AVE, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1383	CARMEN'S PLACE	2018 MAIN ST, JULIAN, CA 92036	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1384	SAN DIEGO RIVER AUTOMOTIVE AND REGISTRATION, INC.	12114 WOODSIDE AVE DETAIL, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	YES
1385	GIANT BAMBINO'S PIZZA	9534 WINTER GARDENS BLVD, LAKESIDE, CA 92040-4067	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1386	EAGLE AUTO DISMANTLING/WRECKING	12650 HWY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1387	HICALIBER HORSE RANCH	2403 MELRU LN, ESCONDIDO, CA 92026	CARLSBAD	904.62	Commercial	NO	YES
1388	GREEK CHICKEN	9536 B WINTER GARDENS BLVD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1389	COWBELLA RANCH	2116 MAIN ST, JULIAN, CA	SAN DIEGO RIVER	907.42	Commercial	NO	NO
1390	USA GASOLINE.	12109 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1391	IBARRA'S AUTO PRO	552 LA PRESA AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1392	ELY'S TIRE SHOP	552 LA PRESA AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1393	HELLHOLE STABLES	19218 MARSHALL WAY, VALLEY CENTER, CA 92082	SAN LUIS REY	903.22	Commercial	NO	NO
1394	B&D CABINETS	9337 BOND AVE, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Industrial	NO	NO
1395	Alpine Discount Liquor	2223 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1396	FRANCO'S FLAP JACKS	1730 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1397	WANNA PIZZA	2754 ALPINE BLVD, ALPINE, CA 91901	SAN DIEGO RIVER	907.33	Commercial	NO	NO
1398	EAST COUNTY MATERIALS	12451 VIGILANTE RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Industrial	YES	YES

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1399	OLDCASTLE PRECAST, INC.	10441 VINE ST, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	YES
1400	FIREWORKS & STAGE FX AMERICA	12485 HY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	YES
1401	KRUGER TRUCK REPAIR	13711 I-8 BUSINESS, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1402	BORDERLINE SERVICES	440 INDUSTRIAL ST, TECATE, CA 91980	TIJUANA	911.81	Commercial	NO	NO
1403	CONMEX	1012 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Industrial	NO	YES
1404	BENITO'S PLACE	220 E MADISON AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1405	UP THE HILL GRILL	1270 MAIN ST, RAMONA, CA 92065	SAN DIEGUITO	905.41	Commercial	NO	NO
1406	TASTE OF ITALY	2512 JAMACHA RD, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	NO	NO
1407	DONUT TOUCH BAKERY CAFE	16621 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
1408	SUSHI ON THE ROCK	16625 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
1409	SUBWAY - 4S RANCH	16625 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
1410	STARBUCKS - 4S RANCH	16625 DOVE CANYON RD, SAN DIEGO RIVER, CA 92127	SAN DIEGUITO	905.11	Commercial	NO	NO
1411	THUNDERBIRD RANCH	2595 MAJELLA RD, VISTA, CA 92084	SAN LUIS REY	903.11	Commercial	NO	NO
1412	CROP PRODUCTION SERVICES	1043 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1413	SOMEWHERE FARM CLYDESDALES	1370 TIERRA DEL SOL RD, BOULEVARD, CA 91905	TIJUANA	911.84	Commercial	NO	NO
1414	CIRCLE K/CAMPO GROUP INC	31471 HIGHWAY 94, CA	SAN DIEGO RIVER	911.82	Commercial	NO	NO
1415	SUNRISE DELI	9945 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1416	RJ AUTOMOTIVE	10021 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1417	CAMPO TIRES & AUTO REPAIR SHOP	10003 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1418	STARS AUTO	2244 S SANTA FE AVE, VISTA, CA 92083	CARLSBAD	904.32	Commercial	NO	NO
1419	OLIVE TIRE SHOP	748 E MISSION RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Commercial	NO	NO
1420	TOY GARAGE	9153 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1421	UNITED SITE SERVICES	2515 SWEETWATER SPRINGS BLVD, SPRING VALLEY, CA 91978	SWEETWATER	909.12	Commercial	NO	NO
1422	STARBUCKS COFFEE #6793	9809 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1423	FRONTIER (WASH-LUBE-REPAIR)	13886 CAMPO RD, JAMUL, CA 91935	OTAY	910.00	Commercial	NO	NO
1424	HORN AUTO - EL CAJON	15989 OLDE HIGHWAY 80, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1425	GAME STANDS, LLC - EL CAJON	1734 MAGNOLIA AVE, CA	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1426	CORNER STORE #3744	9932 CAMPO RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1427	CONCHITA'S TAMALES AND TACO SHOP	773 GREENFIELD DR, EL CAJON, CA 92021	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1428	ACCURATE ALIGNMENT AND BRAKE	9816 VINE ST, SUITE# D - E, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1429	LLOYD'S COLLISION AND REPAIR CENTER	9816 VINE ST, SUITE# B - C, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1430	SAN DIEGO RIVER SUPER CHARGERS	11984 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1431	DONNA & SONS, INC	12210 INDUSTRY RD, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1432	IN & GO SMOG CHECK	12087 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1433	BRICKMAN ENVIRONMENTAL	9090 BIRCH ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1434	CAMINO COLLISION CENTER	9248 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1435	PRECISION AUTO	8811 JAMACHA RD, SUITE# C, SPRING VALLEY, CA 91977-4123	SWEETWATER	909.12	Commercial	NO	NO
1436	RCR SMOG INSPECTION	8730 JAMACHA RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1437	CALIFORNIA PLUMBING	9820 MAINE AVE, LAKESIDE, CA 92040-3106	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1438	LAKE LINDO GRILL	12128 WOOSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	YES	NO
1439	THE BUCKING DELORIAN	10109 MAINE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Commercial	NO	NO
1440	COUNTRY MARKET AND LIQUOR	2927 E VISTA WAY, VISTA, CA 92084	SAN LUIS REY	903.12	Commercial	NO	NO
1441	METRO LIFT	12812 JACKSON HILL DR, EL CAJON, CA 92021-1708	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1442	GABRIEL'S TACO SHOP	1331 LA CRESTA BLVD, EL CAJON, CA 92021	SWEETWATER	909.23	Commercial	NO	NO
1443	KEG N BOTTLE	3773 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
1444	TAPPI SUSHI AND GRILL	3709 AVOCADO BLVD, LA MESA, CA 91941	SWEETWATER	909.21	Commercial	NO	NO
1445	IDEAL AUTOSALES	1326 N MAGNOLIA AVE, EL CAJON, CA 92020	SAN DIEGO RIVER	907.13	Commercial	NO	NO
1446	G & G AUTO REPAIR	802 GRAND AVE, SUITE# A, SPRING VALLEY, CA 91977-4909	SWEETWATER	909.12	Commercial	NO	YES
1447	SONNY'S SALOON	546 GRAND AVE, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	YES
1448	POWAY RMA		SAN DIEGO RIVER	906.20	Residential	YES	NO
1449	MERRY'S SUBS	12346 WOODSIDE AVE, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1450	TRUE FRUIT	3509 SWEETWATER SPRINGS BLVD 02, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1451	MT. MIGUEL EQUESTRIAN CENTER	6558 JONEL WAY, BONITA, CA 91902	SWEETWATER	909.12	Commercial	NO	NO
1452	LUCKY 7 STABLES	3260 CONDUIT RD, BONITA, CA 91902	SWEETWATER	909.12	Commercial	YES	NO
1453	EL VALLE PRODUCE	27455 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
1454	LLANTERA USED TIRES	27455 VALLEY CENTER RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.14	Commercial	NO	NO
1455	EL PASO TACO SHOP	31480 HIGHWAY 94, CAMPO, CA 91906-3122	TIJUANA	911.82	Commercial	NO	NO
1456	RESLAN MOTORS INC.	11928 CAMPO RD, SPRING VALLEY, CA 91978	SWEETWATER	909.21	Commercial	NO	NO
1457	OTAY LANDFILL, INC.	1700 MAXWELL RD, CHULA VISTA, CA 91911	OTAY	910.20	Industrial	NO	NO
1458	LA POSTA DE ACAPULCOS MEXICAN SEA FOOD	8575 LOS COCHES RD, EL CAJON, CA 92021	SAN DIEGO RIVER	907.14	Commercial	NO	NO
1459	BLACK GALAXY STONE	1291 ALTURAS RD, FALLBROOK, CA 92028	SANTA MARGARITA	902.13	Industrial	NO	NO
1460	CHOLLAS RMA		SAN DIEGO RIVER	908.22	Residential	YES	NO
1461	LA NACION RMA		SWEETWATER	909.12	Residential	YES	NO
1462	MISSION SAN DIEGO RIVER RMA		SAN DIEGO RIVER	907.11	Residential	YES	NO
1463	JAMACHA RMA		SWEETWATER	909.21	Residential	YES	NO
1464	COCHES RMA		SAN DIEGO RIVER	907.14	Residential	YES	NO
1465	HILLSDALE RMA		SWEETWATER	909.22	Residential	YES	NO
1466	KIMBALL RMA		SAN DIEGO RIVER	907.22	Residential	YES	NO
1467	DEHESA RMA		SWEETWATER	909.23	Residential	YES	NO
1468	CONEJOS CREEK RMA		SAN DIEGO RIVER	907.31	Residential	YES	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1469	UPPER YSIDORA RMA		SANTA MARGARITA	902.13	Residential	YES	NO
1470	GALLOWAY RMA		SWEETWATER	909.24	Residential	YES	NO
1471	SPENCER RMA		SAN DIEGO RIVER	907.42	Residential	NO	NO
1472	EL CAJON RMA		SAN DIEGO RIVER	907.13	Residential	YES	NO
1473	DELUZ CREEK RMA		SANTA MARGARITA	902.21	Residential	YES	NO
1474	SEQUAN RMA		SWEETWATER	909.25	Residential	YES	NO
1475	CUYAMACA RMA		SAN DIEGO RIVER	907.43	Residential	NO	NO
1476	GAVILAN RMA		SANTA MARGARITA	902.22	Residential	YES	NO
1477	ALPINE HEIGHTS RMA		SWEETWATER	909.26	Residential	YES	NO
1478	VALLECITOS RMA		SANTA MARGARITA	902.23	Residential	YES	NO
1479	FERNBROOK RMA		SAN DIEGO RIVER	907.21	Residential	YES	NO
1480	LOVELAND RMA		SWEETWATER	909.31	Residential	YES	NO
1481	BARONA RMA		SAN DIEGO RIVER	907.24	Residential	YES	NO
1482	WOLF RMA		SANTA MARGARITA	902.52	Residential	NO	NO
1483	JAPATUL RMA		SWEETWATER	909.32	Residential	NO	NO
1484	INAJA RMA		SAN DIEGO RIVER	907.41	Residential	NO	NO
1485	DEVIL'S HOLE RMA		SANTA MARGARITA	902.82	Residential	NO	NO
1486	VIEJAS RMA		SWEETWATER	909.33	Residential	YES	NO
1487	REDEC RMA		SANTA MARGARITA	902.83	Residential	YES	NO
1488	DESCANSO RMA		SWEETWATER	909.34	Residential	NO	NO
1489	TULE CREEK RMA		SANTA MARGARITA	902.84	Residential	NO	NO
1490	MISSION RMA		SAN LUIS REY	903.11	Residential	YES	NO
1491	LOWER CULP RMA		SANTA MARGARITA	902.91	Residential	YES	NO
1492	GARNET RMA		SWEETWATER	909.35	Residential	NO	NO
1493	PREVITT CANYON RMA		SANTA MARGARITA	902.92	Residential	YES	NO
1494	OTAY VALLEY RMA		OTAY	910.20	Residential	YES	NO
1495	BONSALL RMA		SAN LUIS REY	903.12	Residential	YES	NO
1496	SAVAGE RMA		OTAY	910.31	Residential	YES	NO
1497	MOOSA RMA		SAN LUIS REY	903.13	Residential	YES	NO
1498	PROCTOR RMA		OTAY	910.32	Residential	YES	NO
1499	JAMUL RMA		OTAY	910.33	Residential	YES	NO
1500	DODGE RMA		SANTA MARGARITA	902.93	Residential	YES	NO
1501	LEE RMA		OTAY	910.34	Residential	YES	NO
1502	VALLEY CENTER RMA		SAN LUIS REY	903.14	Residential	NO	NO
1503	CHIHUAHUA RMA		SANTA MARGARITA	902.94	Residential	NO	NO
1504	WOODS RMA		SAN LUIS REY	903.15	Residential	NO	NO
1505	LYON RMA		OTAY	910.35	Residential	YES	NO
1506	RINCON RMA		SAN LUIS REY	903.16	Residential	NO	NO
1507	PALA RMA		SAN LUIS REY	903.21	Residential	YES	NO
1508	PAUMA RMA		SAN LUIS REY	903.22	Residential	YES	NO
1509	LOMA ALTA RMA		CARLSBAD	904.10	Residential	YES	NO
1510	EL SALTO RMA		CARLSBAD	904.21	Residential	YES	NO
1511	LA JOLLA AMAGO RMA		SAN LUIS REY	903.23	Residential	YES	NO
1512	RANCHO SANTA FE RMA		SAN DIEGUITO	905.11	Residential	YES	NO
1513	VISTA RMA		CARLSBAD	904.22	Residential	YES	NO
1514	WARNER RMA		SAN LUIS REY	903.31	Residential	NO	NO
1515	LOS MONOS RMA		CARLSBAD	904.31	Residential	NO	NO
1516	LA JOLLA RMA		SAN DIEGUITO	905.12	Residential	YES	NO
1517	BUENA RMA		CARLSBAD	904.32	Residential	YES	NO
1518	COMBS RMA		SAN LUIS REY	903.32	Residential	NO	NO
1519	DEL DIOS RMA		SAN DIEGUITO	905.21	Residential	YES	NO
1520	BATIQUITOS RMA		CARLSBAD	904.51	Residential	YES	NO
1521	FELICITA RMA		SAN DIEGUITO	905.23	Residential	YES	NO
1522	RICHLAND RMA		CARLSBAD	904.52	Residential	YES	NO
1523	BEAR RMA		SAN DIEGUITO	905.24	Residential	YES	NO
1524	TWIN OAKS RMA		CARLSBAD	904.53	Residential	NO	NO
1525	HIGHLAND RMA		SAN DIEGUITO	905.31	Residential	YES	NO
1526	SAN ELIJO RMA		CARLSBAD	904.61	Residential	YES	NO
1527	LAS LOMAS MUERTAS RMA		SAN DIEGUITO	905.32	Residential	YES	NO
1528	ESCONDIDO RMA		CARLSBAD	904.62	Residential	YES	NO
1529	REED RMA		SAN DIEGUITO	905.33	Residential	NO	NO
1530	LAKE WOHLFORD RMA		CARLSBAD	904.63	Residential	YES	NO
1531	HIDDEN RMA		SAN DIEGUITO	905.34	Residential	NO	NO
1532	GUEJITO RMA		SAN DIEGUITO	905.35	Residential	YES	NO
1533	VINEYARD RMA		SAN DIEGUITO	905.36	Residential	YES	NO
1534	RAMONA RMA		SAN DIEGUITO	905.41	Residential	YES	NO
1535	LOWER HATFIELD RMA		SAN DIEGUITO	905.42	Residential	NO	NO
1536	WASH HOLLOW RMA		SAN DIEGUITO	905.43	Residential	NO	NO
1537	UPPER HATFIELD RMA		SAN DIEGUITO	905.44	Residential	NO	NO
1538	BALLENA RMA		SAN DIEGUITO	905.45	Residential	NO	NO

NO.	FACILITY NAME	ADDRESS	WATERSHED	HSA	FACILITY TYPE	ESA	303(d)
1539	EAST SANTA TERESA RMA		SAN DIEGUITO	905.46	Residential	NO	NO
1540	WEST SANTA TERESA RMA		SAN DIEGUITO	905.47	Residential	NO	NO
1541	PINE RMA		TIJUANA	911.41	Residential	YES	NO
1542	BODEN RMA		SAN DIEGUITO	905.51	Residential	YES	NO
1543	PAMO RMA		SAN DIEGUITO	905.52	Residential	YES	NO
1544	MOUNT LAGUNA RMA		TIJUANA	911.42	Residential	NO	NO
1545	SUTHERLAND RMA		SAN DIEGUITO	905.53	Residential	YES	NO
1546	WITCH CREEK RMA		SAN DIEGUITO	905.54	Residential	YES	NO
1547	MORENA RMA		TIJUANA	911.50	Residential	YES	NO
1548	MIRAMAR RESERVOIR RMA		PENASQUITOS	906.10	Residential	YES	NO
1549	HOLLENBECK RMA		OTAY	910.36	Residential	YES	NO
1550	CANYON CITY RMA		TIJUANA	911.82	Residential	NO	NO
1551	SANTEE RMA		SAN DIEGO RIVER	907.12	Residential	YES	NO
1552	CLOVER FLAT RMA		TIJUANA	911.83	Residential	NO	NO
1553	ENGINEER SPRINGS RMA		OTAY	910.37	Residential	YES	NO
1554	HILL RMA		TIJUANA	911.84	Residential	NO	NO
1555	HIPASS RMA		TIJUANA	911.85	Residential	NO	NO
1556	WATER TANKS RMA		TIJUANA	911.12	Residential	YES	NO
1557	EL MONTE RMA		SAN DIEGO RIVER	907.15	Residential	YES	NO
1558	MARRON RMA		TIJUANA	911.21	Residential	YES	NO
1559	BEE CANYON RMA		TIJUANA	911.22	Residential	YES	NO
1560	COTTONWOOD RMA		TIJUANA	911.60	Residential	YES	NO
1561	BARRETT RMA		TIJUANA	911.23	Residential	YES	NO
1562	CAMERON RMA		TIJUANA	911.70	Residential	YES	NO
1563	ROUND POTRERO RMA		TIJUANA	911.24	Residential	NO	NO
1564	TECATE RMA		TIJUANA	911.81	Residential	YES	NO
1565	GOWER RMA		SAN DIEGO RIVER	907.13	Residential	YES	NO
1566	LONG POTRERO RMA		TIJUANA	911.25	Residential	NO	NO
1567	BARRETT LAKE RMA		TIJUANA	911.30	Residential	NO	NO
1568	ALPINE RMA		SAN DIEGO RIVER	907.33	Residential	YES	NO
1569	CREEK POINT FARMS	30900 LILAC RD, VALLEY CENTER, CA 92082	SAN LUIS REY	903.12	Commercial	NO	NO
1570	BANKHEAD MISSISSIPPI STYLE COOKING	8300 PARADISE VALLEY RD, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1571	SAN DIEGO RIVER ASPHALT RECYCLING	12512 HIGHWAY 67, LAKESIDE, CA 92040	SAN DIEGO RIVER	907.12	Industrial	NO	NO
1572	TONY MARCHINO	31755 RANCHO AMIGOS RD, BONSALL, CA 92003	SAN LUIS REY	903.12	Commercial	NO	NO
1573	NICKY ROTTENS BAR & GRILL JOINT	3773 WILLOW GLEN DR, EL CAJON, CA 92019	SWEETWATER	909.21	Commercial	YES	NO
1574	ROMERO GENERAL CONSTRUCTION	8354 NELSON WAY, ESCONDIDO, CA 92026	SAN LUIS REY	903.12	Commercial	NO	NO
1575	SD RE MARKETING	1261 PRESCIOCA ST, SPRING VALLEY, CA 91977	SWEETWATER	909.12	Commercial	NO	NO
1576	MIKE'S METAL WORKS	3552 FOWLER CANYON RD, JAMUL, CA 91935	SWEETWATER	909.21	Commercial	NO	NO

Attachment 5.8 – Municipal Inventory

Table 1. Summary of Wastewater Inventory

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
PUBLICALLY OWNED TREATMENT WASTEWATER SYSTEMS						
1	JULIAN WATER POLLUTION CONTROL FACILITY (TREATMENT PLANT)	2840 HIGHWAY 78	JULIAN	SAN DIEGO	M	NO
2	PINE VALLEY WATER POLLUTION CONTROL FACILITY (TREATMENT PLANT)	OLD HIGHWAY 80	PINE VALLEY	TIJUANA	M	NO
3	RANCHO DEL CAMPO WATER POLLUTION CONTROL FACILITY (TREATMENT PLANT)	957 FORREST GATE ROAD	CAMPO	TIJUANA	M	YES
4	SAN PASQUAL ACADEMY (TREATMENT PLANT)	17701 SAN PASQUAL VALLEY ROAD	ESCONDIDO	SAN DIEGUITO	M	YES
5	WILLIAM HEISE PARK WATER POLLUTION CONTROL FACILITY (TREATMENT PLANT)	4945 HEISE PARK ROAD	JULIAN	SAN DIEGO	L	NO
PUMP STATIONS						
6	BARRETT HONOR CAMP TREATMENT POND AND PUMP STATION	21077 LYONS VALLEY ROAD	ALPINE	SAN DIEGO	M	NO
7	GALLOWAY PUMP STATION	444 ARNOLD WAY	ALPINE	SAN DIEGO	M	YES
8	HARBISON CANYON PUMP STATION	215 BRIDLE COURT	ALPINE	SWEETWATER	M	YES
9	JAMACHA PUMP STATION	9903 JAMACHA BLVD.	SPRING VALLEY	SWEETWATER	M	NO
10	MORENO AVENUE PUMP STATION	10955 MORENO AVENUE	LAKESIDE	SAN DIEGO	L	NO
11	RANCHO SAN DIEGO PUMP STATION	11971 SINGER LANE	SPRING VALLEY	SWEETWATER	M	NO
12	RAMONA AVENUE PUMP STATION	411 RAMONA AVENUE	SPRING VALLEY	SWEETWATER	M	NO

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
13	SAN PASQUAL ACADEMY PUMP STATION	17701 SAN PASQUAL VALLEY ROAD	ESCONDIDO	SAN DIEGUITO	M	YES
14	VISTA DEL LAGO PUMP STATION	9041 CAMINO LAGO VISTA	SPRING VALLEY	SWEETWATER	M	NO
15	RAMONA AIRPORT PUMP STATION	2436 RAMONA AIRPORT RD.	RAMONA	SAN DIEGUITO	L	NO
16	WOOD CREEK PUMP STATION	15935 SPRING OAK ROAD	EL CAJON	SAN DIEGO	L	NO
OPERATIONS CENTER						
17	SPRING VALLEY OPERATIONS CENTER	11937 CAMPO ROAD	SPRING VALLEY	SWEETWATER	H	NO
18	SAN PASQUAL ACADEMY OPERATIONS CENTER	17701 SAN PASQUAL VALLEY ROAD	ESCONDIDO	SAN DIEGUITO	M	YES

Table 2. Summary of DPR Inventory

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
LOCAL PARKS						
1	BANCROFT	3554 JAMES CIRCLE	SPRING VALLEY	SWEETWATER	L	NO
2	CLEMMENS LANE PARK	344 CLEMMENS LANE	FALLBROOK	SAN LUIS REY	L	NO
3	COLLIER	626 E ST.	RAMONA	SAN DIEGUITO	M	YES
4	DAMON LANE (MONTE VISTA)	11502 CALLE ALBARA	EL CAJON	SWEETWATER	L	YES
5	DEL PARQUE	10502 VIA DEL PARQUE	SPRING VALLEY	SWEETWATER	L	YES
6	DAN DUSSAULT	8320 ALTURAS ST.	FALLBROOK	SANTA MARGARITA	M	NO
7	ESTRELLA DRIVE	9810 SIERRA MADRE RD.	SPRING VALLEY	SWEETWATER	L	NO
8	EASTVIEW PARK	3218 SUMMIT MEADOW RD	BONITA	SWEETWATER	M	NO
9	EUCALYPTUS	9125 EDGEWOOD DR.	SPRING VALLEY	SWEETWATER	M	NO
10	FALLBROOK PARK	341 HEALD LN.	FALLBROOK	SAN LUIS REY	M	NO
11	GOODLAND ACRES	8848 TROY ST.	SPRING VALLEY	SWEETWATER	M	NO
12	HERITAGE PARK (4S RANCH)	11789 DEER RIDGE ROAD	SAN DIEGO	SAN DIEGUITO	M	NO
13	HILLSDALE	ADJACENT TO 11362 VIA RANCHO SAN DIEGO ALONG FURY LANE	EL CAJON	SWEETWATER	L	NO
14	HILTON HEAD (COTTONWOOD 3)	16005 HILTON HEAD RD.	EL CAJON	SWEETWATER	M	NO
15	HOMESTEAD PARK (4S RANCH)	9989 FOX VALLEY ROAD	SAN DIEGO	SAN DIEGUITO	L	NO
16	JESS MARTIN	2955 HIGHWAY 79	JULIAN	SAN DIEGO RIVER	L	NO
17	LAMAR STREET	3180 BANCROFT DR.	SPRING VALLEY	SWEETWATER	M	NO
18	LINCOLN ACRES	2717 GRANGER ST.	NATIONAL CITY	SWEETWATER	L	NO
19	LINDO LAKE PARK	12660 LINDO LANE	LAKESIDE	SAN DIEGO RIVER	H	YES
20	LONNIE BREWER	10925 FURY LANE	LA MESA	SWEETWATER	M	NO

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
21	NANCY JANE	120 NORTH PARK DR.	EL CAJON	SWEETWATER	L	NO
22	OLD IRONSIDES	326 HARBISON CANYON RD.	EL CAJON	SWEETWATER	M	NO
23	PATRIOT PARK (4S RANCH)	10502 PASEO DE LINDA	SAN DIEGO	SAN DIEGUITO	L	NO
24	RAINBOW	5157 FIFTH ST.	RAINBOW	SANTA MARGARITA	M	NO
25	SOUTH LANE	218 SOUTH LANE (& PARK DR.)	EL CAJON	SWEETWATER	L	YES
26	SPRING VALLEY PARK	8735 JAMACHA RD	SPRING VALLEY	SWEETWATER	M	YES
27	STEELE CANYON	2925 STEELE CANYON RD.	EL CAJON	SWEETWATER	M	YES
28	WINDRIVER (COTTONWOOD 1)	2139 WINDRIVER RD.	EL CAJON	SWEETWATER	L	NO
29	WOODHAVEN (COTTONWOOD 2)	1995 DONAHUE DR.	EL CAJON	SWEETWATER	L	NO
REGIONAL PARKS						
30	AGUA CALIENTE	39555 COUNTY RD S-2	JULIAN	BORIEGO SPRINGS	M	YES
31	DOS PICOS	17953 DOS PICOS ST.	RAMONA	SAN DIEGO RIVER	M	YES
32	EL MONTE	15805 EL MONTE RD.	LAKESIDE	SAN DIEGO RIVER	M	YES
33	FELICITA	742 CLARENCE LN.	ESCONDIDO	SAN DIEGUITO	M	NO
34	FLINN SPRINGS	14787 OLD HWY. #80	EL CAJON	SAN DIEGO RIVER	M	YES
35	GUAJOME REGIONAL	3000 GUAJOME LAKE RD.	OCEANSIDE	SAN LUIS REY	M	YES
36	LAKE MORENA	2550 LAKE MORENA DR.	CAMPO	TIJUANA	H	YES
37	LIVE OAK	2746 RECHE RD.	FALLBROOK	SAN LUIS REY	M	NO
38	LOUIS A. STELZER	11470 WILDCAT CANYON RD.	LAKESIDE	SAN DIEGO RIVER	M	YES
39	OTAY LAKES	2270 WUESTE ROAD	CHULA VISTA	OTAY	M	NO
40	PINE VALLEY	28810 OLD HWY. 80	PINE VALLEY	TIJUANA	M	NO
41	POTRERO	24800 POTRERO PARK DR.	POTRERO	TIJUANA	M	NO
42	QUAIL BOTANICAL GARDENS	230 QUAIL GARDENS DRIVE	ENCINITAS	CARLSBAD	M	NO
43	SAN DIEGUITO	1628 LOMAS SANTA FE DR.	DEL MAR	SAN DIEGUITO	M	NO

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
44	VALLECITO PARK	37349 COUNYTY RTE S-2	JULIAN	BORIEGO SPRINGS	M	YES
45	SWEETWATER REGIONAL	4370 SWEETWATER RD/6135 SAN MIGUEL RD.	BONITA	SWEETWATER	M	YES
46	WILLIAM HEISE	4945 HEISE PARK RD.	JULIAN	SAN DIEGO RIVER	M	NO
OPEN AND PRESERVE PARKS						
47	BARNETT RANCH	21500 DEVINEY LANE	RAMONA	SAN DIEGO RIVER	L	NO
48	BAHDE PROPERTIES	HARBISON CANYON	CREST	SAN DIEGO RIVER	EXEMPT	NO
49	BOULDER OPEN SPACE PRESERVE	LAKESIDE	LAKESIDE	SAN DIEGO RIVER	L	NO
50	CAMP LOCKETT	HIGHWAY 94	CAMPO	TIJUANA	EXEMPT	NO
51	CHRISTOPHER HILL	16800 CAMINO SAN BERNARDO	SAN DIEGO	SAN DIEGUITO	L	NO
52	DEL DIOS HIGHLANDS PRESERVE	9860 DEL DIOS HIGHWAY (ACROSS FROM DATE LANE)	ESCONDIDO	SAN DIEGUITO	M	YES
53	EL CAPITAN OPEN SPACE	13775 BLUE SKY RANCH RD.	LAKESIDE	SAN DIEGO RIVER	M	YES
54	ESCONDIDO CREEK PRESERVE	ESCONDIDO	ESCONDIDO	CARLSBAD	M	YES
55	GOODAN RANCH	16281 SYCAMORE CANYON ROAD	POWAY	SAN DIEGO RIVER	L	119
56	GOPHER CANYON ROAD PARK	GOPHER CANYON RD/TWIN OAKS VALLEY RD	BONSALL	SAN LUIS REY	L	NO
57	HELLHOLE CANYON	19324 SANTEE LANE	VALLEY CENTER	SAN LUIS REY	L	NO
58	HOLLENBACK CANYON	BETWEEN HWY 94 AND HONEY SPRINGS ROAD	JAMUL/DELZRA	OTAY	L	YES
59	HOLLY OAKS	DYE RD./SOUTHERN OAK RD.	RAMONA	SAN DIEGUITO	L	YES
60	LOS PENASQUITOS CANYON PRES	12020 BLACK MOUTAIN RD	SAN DIEGO	PENASQUITOS	L	YES
61	LAKESIDE LINKAGE OPEN SPACE PARK	STATE ROUTE 67 NORTH OF HIGHLAND ROAD	LAKESIDE	SAN DIEGO RIVER	L	NO
62	LUSARDI CREEK	16699 RIO VISTA RD.	RANCHO SANTA FE	SAN DIEGUITO	M	YES

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
63	LUEF POND PRESERVE	3000 DUCK POND LANE	RAMONA	SAN DIEGO RIVER	L	YES
64	MAGDALENA ECKE	1100 QUAIL GARDENS DRIVE	ENICINITAS	CARLSBAD	L	NO
65	MASON WILDLIFE	HARRIS RANCH ROAD	POTRERO	TIJUANA	L	NO
66	MEXICAN CANYON	MEXICAN CANYON ROAD	JACUMBA	SWEETWATER	EXEMPT	YES
67	MISSION TRAILS	1840 WELD BLVD	ELCAJON	SAN DIEGO RIVER	L	YES
68	MT. GOWER OPEN SPACE	17090 GUNN STAGE RD.	RAMONA	SAN DIEGO RIVER	L	NO
69	MT. OLYMPUS	MILE MARKER 4.5, PALA-TEMECULA RD.	RAINBOW	SAN LUIS REY	L	YES
70	OTAY MESA PRESERVE	OTAY MESA RD	SAN YSIDRO	TIJUANA	L	NO
71	OAKOASIS	12620 WILDCAT CANYON RD.	LAKESIDE	SAN DIEGO RIVER	M	YES
72	OTAY VALLEY OPEN SPACE PRESERVE	2270 WUESTE RD.	CHULA VISTA	OTAY	M	YES
73	PALOMAR MOUNTAIN	21818 CRESTLINE RD.	PALOMAR MOUNTAIN	SAN LUIS REY	L	NO
74	PROVINCE HOUSE/HISTORIAN'S OFFICE	4370 SWEETWATER RD.	BONITA	SWEETWATER	L	YES
75	RAMONA GRASSLANDS	WEST OF RANGELAND ROAD	RAMONA	SAN DIEGUITO	L	YES
76	SAGE HILL	20500 ELFIN FOREST ROAD	CARLSBAD	CARLSBAD	M	NO
77	SAN ELIJO LAGOON E.R. & R.P	2710 MANCHESTER AVE.	SAN DIEGO	CARLSBAD	M	YES
78	SAN ELIJO LAGOON/JENSEN PROPERTY	2710 MANCHESTER AVE.	SAN DIEGO	CARLSBAD	M	YES
79	SAN LUIS REY PARK	ALONG THE 8.5 MILE STRETCH OF SAN LUIS REY RIVER CORRIDOR	BONSALL	SAN LUIS REY	M	YES
80	SANTA MARIA CREEK	WEST OF RANGELAND ROAD	RAMONA	SAN DIEGUITO	L	YES
81	SANTA MARGARITA RIVER VALLEY	37385 DE LUZ RD.	FALLBROOK	SANTA MARGARITA	M	YES

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
82	SANTA YSABEL	HYW 79 & FARMER RD.	JULIAN	SAN DIEGUITO	M	NO
83	SYCAMORE CANYON PRESERVE	16281 SYCAMORE CANYON RD	POWAY	SAN DIEGO RIVER	M	YES
84	SIMON, WM. & CAROL	23500 BASSETT WAY & 18400 WOOD HILLS RD.	RAMONA	SAN DIEGO RIVER	L	NO
85	TIJUANA RIVER VALLEY PARK	2721 MONUMENT RD.	SAN DIEGO	TIJUANA	M	YES
86	VAL SERENO	3000 EL CAMINO DEL NORTE	ENCINITAS	CARLSBAD	M	NO
87	VOLCAN MOUNTAIN WILDERNESS PRESERVE	1209 FARMERS ROAD	JULIAN	SAN DIEGUITO	M	NO
88	WILDERNESS GARDENS	14209 HWY. 76	PALA	SAN LUIS REY	M	YES
OPERATIONS						
89	EL CAJON OPERATIONS	1840 WELD BOULEVARD	EL CAJON	SAN DIEGO RIVER	M	YES
SPORTS						
90	4S RANCH SPORTS PARK	16118 4S RANCH PKWY	SAN DIEGO	SAN DIEGUITO	M	YES
91	CACTUS	10610 ASHWOOD ST.	LAKESIDE	SAN DIEGO RIVER	M	YES
92	SWEETWATER LANE SPORTSFIELD	1312 SWEETWATER LANE	SPRING VALLEY	SWEETWATER	M	NO
93	RIOS CANYON	9770 FLINN SPRINGS ROAD	LAKESIDE	SAN DIEGO RIVER	M	NO
94	SPRING VALLEY GYM	838 KEMPTON	SPRING VALLEY	SWEETWATER	H	NO
COMMUNITY CENTERS						
95	FALLBROOK PARK AND COMMUNITY CENTER	341 HEALD LN.	FALLBROOK	SAN LUIS REY	M	NO
96	LAKESIDE COMMUNITY CENTER (LOCATED AT LINDO LAKE PARK)	9841 VINE ST.	LAKESIDE	SAN DIEGO RIVER	M	YES
97	SPRING VALLEY PARK AND COMMUNITY CENTER	8735 JAMACHA BLVD.	SPRING VALLEY	SWEETWATER	M	YES

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
HISTORICAL SITES						
98	CAMPO HISTORICAL SITE/MUSEUM	31130 HWY. 94	CAMPO	TIJUANA	M	NO
99	JULIAN PIONEER MUSEUM	2845 WASHINGTON ST.	JULIAN	SAN DIEGO RIVER	L	NO
100	GUAJOME ADOBE	2210 N. SANTA FE AVE.	VISTA	SAN LUIS REY	L	NO
101	HERITAGE	2454 HERITAGE PARK ROW	SAN DIEGO	SAN DIEGO RIVER	M	NO
102	LOS PENASQUITOS	12020 BLACK MOUNTAIN RD.	SAN DIEGO	PENASQUITOS	M	YES
103	DERBY/ PENDLENTON HOUSE	2476 SAN DIEGO AVENUE	SAN DIEGO	PUEBLO	M	NO
104	WHALEY HOUSE	2476 SAN DIEGO AVENUE	SAN DIEGO	PUEBLO	M	NO
105	WHITAKER	ADJACENT TO 12886 CASTLE COURT	LAKESIDE	SAN DIEGO RIVER	L	NO
LEASE						
106	BELLA TERRA NURSERY INC	485 HOLLISTER STREET	SAN DIEGO	OTAY	M	NO

Table 3. Summary of Fleet Maintenance Inventory

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
FLEET FACILITIES						
1	COUNTY OPERATIONS CENTER	5555 OVERLAND AVE	SAN DIEGO	SAN DIEGO RIVER	M	NO
2	ENCINITAS GARAGE	175 N. EL CAMINO REAL	ENCINITAS	CARLSBAD	M	NO
3	GARAGE, UNION AT “A”	1251 UNION STREET	SAN DIEGO	PUEBLO	M	NO
4	DIV I HQ GARAGE	11970 SINGER LANE	SPRING VALLEY	SWEETWATER	M	YES
5	RAMONA GARAGE	116 5TH ST	RAMONA	SAN DIEGUITO	M	NO
6	SAN MARCOS GARAGE	1579 OSAGE ST	SAN MARCOS	CARLSBAD	M	NO
7	SANTEE GARAGE	1840 WELD BLVD	EL CAJON	SAN DIEGO RIVER	M	NO
8	SOUTH BAY REGIONAL CENTER GARAGE	500 3RD AVENUE	CHULA VISTA	PUEBLO	M	NO
FUELING FACILITIES						
9	ALPINE ROAD STATION	2910 TAVERN ROAD	ALPINE	SWEETWATER	M	YES
10	BONSALL ROAD STATION	2370 PALA ROAD	FALLBROOK	SAN LUIS REY	M	YES
11	CAMPO ROAD STATION	970 FORREST GATE RD.	CAMPO	TIJUANA	L	NO
12	COUNTY OPERATIONS CENTER-KEARNY MESA	5555 OVERLAND AVE.	SAN DIEGO	SAN DIEGO RIVER	M	NO
13	DESCANSO ROAD STATION	24592 VIEJAS GRADE RD.	DESCANSO	SWEETWATER	L	NO
14	EAST MESA DETENTION FACILITY	446 ALTA ROAD	SAN DIEGO	PUEBLO	M	YES
15	ENCINITAS REPAIR FACILITY	175 N. EL CAMINO REAL	ENCINITAS	CARLSBAD	M	NO
16	DIV I HQ REPAIR FACILITY	11970 SINGER LANE	SPRING VALLEY	SWEETWATER	M	YES
17	JULIAN ROAD STATION	1524 HIGHWAY 78	JULIAN	SAN DIEGUITO	L	NO
18	LAKESIDE ROAD STATION	13115 WILLOW ROAD	LAKESIDE	SAN DIEGO RIVER	M	NO
19	MT. LAGUNA ROAD STATION	33974 MT. LAGUNA DR.	MT. LAGUNA	TIJUANA	L	NO
20	NORTH COUNTY REGIONAL CENTER/VISTA	325 S. MELROSE DR.	VISTA	CARLSBAD	L	YES

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
21	PALOMAR MOUNTAIN ROAD STATION	20745 STATE PARK RD.	PALOMAR	SAN LUIS REY	M	NO
22	RAMONA REPAIR FACILITY	116 5TH ST.	RAMONA	SAN DIEGUITO	L	NO
23	SAN MARCOS REPAIR FACILITY	1579 OSAGE ST.	SAN MARCOS	CARLSBAD	M	NO
24	SANTEE REPAIR FACILITY	1875 WELD BLVD.	SANTEE	SAN DIEGO RIVER	M	NO
25	SOUTHBAY REGIONAL CENTER	500 3RD AVENUE	CHULA VISTA	OTAY	M	NO
26	UNION & A ST.	1251 UNION ST.	SAN DIEGO	PUEBLO	M	NO
27	VALLEY CENTER FUEL	28565 COLE GRADE ROAD	VALLEY CENTER	SAN LUIS REY	M	YES
28	PINE VALLEY	28696 Old Highway 80	Pine Valley	Sweetwater	L	NO

Table 4. Summary of Road Stations Inventory

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
BORROW PITS						
1	BUCKMAN PIT	1602 BUCKMAN SPRINGS ROAD	CAMPO	TIJUANA	L	NO
2	CORTE MADERA PIT	CLOSE TO ALPINE ROAD STATION	DESCANSO	SWEETWATER	L	NO
3	MESA GRANDE BORROW PIT	MESA GRANDE ROAD	SANTA YSABEL	SAN DIEGUITO	L	NO
4	MONTE VISTA BORROW PIT	11970 SINGER LANE	SPRING VALLEY	SWEETWATER	M	YES
5	BONITA STORAGE YARD	4340 BONITA ROAD	BONITA	PUEBLO	M	NO
6	FALLBROOK BULLPEN	MISSION ROAD	FALLBROOK	SANTA MARGARITA	L	NO
7	WARNER PIT	MONTEZUMA ROAD	WARNER SPRINGS	SAN LUIS REY	M	NO
ROAD STATIONS						
8	ROAD MAINT. STATION- DIV I HQ SPRING VALLEY	11970 SINGER LANE	SPRING VALLEY	SWEETWATER	M	YES
9	ROAD MAINT. STATION #38 JULIAN	1524 HIGHWAY 78	JULIAN	SAN DIEGO	M	NO
10	ROAD MAINT. STATION-#17 ALPINE	2910 TAVERN ROAD	ALPINE	SWEETWATER	M	YES
11	ROAD MAINT. STATION-#23 CAMPO	970 FORREST GATE ROAD	CAMPO	TIJUANA	M	NO
12	ROAD MAINT. STATION-#33 LAKESIDE	13115 WILLOW ROAD	LAKESIDE	SAN DIEGO	M	NO
13	ROAD MAINT. STATION-#35 MT LAGUNA	33947 MT LAGUNA DRIVE	MOUNT LAGUNA	TIJUANA	M	NO
14	ROAD MAINT. STATION-#56 DIV II HQ SAN MARCOS	1579 OSAGE STREET	SAN MARCOS	CARLSBAD	M	NO

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
15	ROAD MAINT. STATION-#56 PALOMAR	20745 STATE PARK ROAD	PALOMAR MOUNTAIN	SAN LUIS REY	L	NO
16	ROAD MAINT. STATION-#57 BONSALL/FALLBROOK	2370 PALA ROAD	FALLBROOK	SAN LUIS REY	M	YES
17	ROAD MAINT. STATION-# 64 VALLEY CENTER	28565 COLE GRADE ROAD	VALLEY CENTER	SAN LUIS REY	M	NO
18	ROAD MAINT. STATION-#39 RAMONA	116 FIFTH STREET	RAMONA	SAN DIEGUITO	M	NO
LEASED PROPERTIES						
19	VECTOR CONTROL	126 S. PACIFIC STREET	SAM MARCOS	CARLSBAD	L	NO

Table 5. Summary of Solid Waste Inventory

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
BURN SITES						
1	ENCINITAS 1 BURN SITE	135 N. EL CAMINO REAL	ENCINITAS	CARLSBAD	M	YES
2	ALPINE 2 BURN SITE	CHOCOLATE SUMMIT DRIVE	ALPINE	SAN DIEGO	H	NO
3	FALLBROOK 1B BURNSITE	STONE POST WAY	FALLBROOK	SANTA MARGARITA	H	NO
4	CACTUS PARK BURN SITE	10610 ASHWOOD ST	LAKESIDE	SAN DIEGO RIVER	M	YES
5	CAMPO BURN SITE	1515 BUCKMAN SPRINGS RD	CAMPO	TIJUANA	H	NO
6	SAN PASQUAL BURN SITE	17701 SAN PASQUAL VALLEY ROAD	SAN PASQUAL	SAN DIEGUITO	M	NO
LANDFILLS						
7	RAMONA LANDFILL BUFFER	2202 PAMO ROAD	RAMONA	SAN DIEGUITO	M	NO
8	BONSALL LANDFILL (INACTIVE)	29370 TWIN OAKS VALLEY ROAD	VISTA	SAN LUIS REY	H	NO
9	ENCINITAS II LANDFILL (INACTIVE)	2099 ENCINITAS BLVD.	ENCINITAS	CARLSBAD	H	NO
10	VALLEY CENTER LANDFILL (INACTIVE)	28802 AERIE ROAD	VALLEY CENTER	SAN LUIS REY	H	NO
11	GILLESPIE LANDFILL (INACTIVE)	1780 GILLESPIE WAY	EL CAJON	SAN DIEGO	H	YES
12	HILLSBOROUGH LANDFILL (INACTIVE)	1206 MANZANA WAY	SAN DIEGO	SWEETWATER	H	NO
13	OTAY SANITARY LANDFILL-CLASS 1 (INACTIVE)	1700 MAXWELL ROAD	CHULA VISTA	OTAY	H	NO
14	PALOMAR AIRPORT LANDFILL (INACTIVE)	2198 PALOMAR AIRPORT ROAD	CARLSBAD	CARLSBAD	H	NO
15	POWAY LANDFILL (INACTIVE)	14645 POWAY ROAD	POWAY	PENASQUITOS	H	NO
16	SAN MARCOS 2 LANDFILL (INACTIVE)	1595 SAN ELIJO ROAD	SAN MARCOS	CARLSBAD	H	NO

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
17	JAMACHA SANITARY LANDFILL (INACTIVE)	11900 SINGER LANE	SPRING VALLEY	SWEETWATER	H	YES
18	VIEJAS LANDFILL (INACTIVE)	7850 CAMPBELL RANCH ROAD	ALPINE	SWEETWATER	H	NO
TRANSFER STATIONS						
19	CAMPO BIN TRANSFER STATION	1515 BUCKMAN SPRINGS ROAD	CAMPO	TIJUANA	L	NO
20	BARRETT JUNCTION BIN TRANSFER	1090 BARRETT LAKE ROAD	DULZURA	TIJUANA	L	NO
21	JULIAN BIN TRANSFER STATION	PLEASANT VIEW DRIVE	JULIAN	SAN DIEGO	L	NO
22	VIEJAS BIN TRANSFER	7850 CAMPBELL RANCH ROAD	ALPINE	SWEETWATER	L	NO

Table 6. Summary of DGS Inventory

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
COURTHOUSES						
1	DOWNTOWN COURTHOUSE	220 WEST BROADWAY	SAN DIEGO	PUEBLO	M	N
2	FAMILY COURT	1501 SIXTH AVE	SAN DIEGO	PUEBLO	M	N
3	HALL OF JUSTICE	330 WEST BROADWAY	SAN DIEGO	PUEBLO	L	N
4	JUVENILE PROBATION CENTER, JUVENILE COURT, AND JUVENILE HALL	2901 MEADOW LARK DRIVE	SAN DIEGO	SAN DIEGO RIVER	M	Y
5	MADGE BRADLEY MUNICIPAL COURTS	1409 FOURTH AVENUE	SAN DIEGO	PUEBLO	M	N
DETENTION FACILITIES						
6	CAMP BARRETT-PROBATION	21077 LYONS VALLEY ROAD	ALPINE	TIJUANA	H	Y
7	DODSON HOME / WORK FURLOUGH	551 SOUTH 35TH STREET	SAN DIEGO	PUEBLO	M	N
8	GEORGE BAILEY / EAST MESA DETENTION FACILITY EM JUVY DET	446 ALTA ROAD	SAN DIEGO	OTAY	H	Y
9	LAS COLINAS DETENTION FACILITY	9000 COTTONWOOD AVE	SANTEE	SAN DIEGO RIVER	M	N
10	RANCHO DEL CAMPO PROBATION HONOR CAMP	957 FORREST GATE ROAD	CAMPO	TIJUANA	M	N
LIBRARIES						
11	CARDIFF BY THE SEA LIBRARY	2801 NEW CASTLE AVENUE	CARDIFF	CARLSBAD	M	N
12	EL CAJON BRANCH LIBRARY	201 EAST DOUGLAS AVE.	EL CAJON	SAN DIEGO RIVER	L	N

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
13	FALLBROOK LIBRARY	124 S. MISSION ROAD	FALLBROOK	SANTA MARGARITA	L	N
14	FLETCHER HILLS BRANCH LIBRARY	576 GARFIELD AVE	EL CAJON	SAN DIEGO RIVER	L	N
15	IMPERIAL BEACH LIBRARY	810 IMPERIAL BEACH BLVD	IMPERIAL BEACH	TIJUANA	L	Y
16	JULIAN LIBRARY	1850 HIGHWAY 78	JULIAN	SAN DIEGO RIVER	M	N
17	LAKESIDE BRANCH LIBRARY	9839 VINE ST	LAKESIDE	SAN DIEGO RIVER	M	Y
18	LINCOLN ACRES LIBRARY / COMMUNITY CENTER	2717 GRANGER AVENUE	NATIONAL CITY	SWEETWATER	M	N
19	RANCHO SAN DIEGO LIBRARY	11555 VIA RANCHO	EL CAJON	SWEETWATER	L	N
20	SAN MARCOS LIBRARY	2 CIVIC CENTER DRIVE	SAN MARCOS	CARLSBAD	M	N
21	SPRING VALLEY LIBRARY AND TEEN CENTER	836 KEMPTON STREET	SPRING VALLEY	SWEETWATER	M	N
22	VALLEY CENTER LIBRARY	29200 COLE GRADE ROAD	VALLEY CENTER	SAN LUIS REY	M	Y
23	4-S RANCH LIBRARY	10433 RESERVE DRIVE	SAN DIEGO	SAN DIEGUITO	L	Y
24	BONITA LIBRARY	4375 BONITA RD	CHULA VISTA	SWEETWATER	L	N
25	RAMONA LIBRARY	1406 MONTECITO ROAD	RAMONA	SAN DIEGUITO	M	Y
GENERAL OFFICE BUILDINGS						
26	ASSESSOR'S OFFICE EL CAJON	200 SOUTH MAGNOLIA AVENUE	EL CAJON	SAN DIEGO RIVER	L	N
27	ASSESSOR'S OFFICE KEARNY MESA	9225 CLAIREMONT MESA BLVD	SAN DIEGO	SAN DIEGO RIVER	M	Y
28	HOUSING & COMM. DEVELOPMENT	3989 RUFFIN ROAD	SAN DIEGO	SAN DIEGO RIVER	L	Y

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
29	OHIO STREET ADULT PROBATION CENTER	3977 OHIO STREET	SAN DIEGO	PUEBLO	M	N
30	ASSESSOR'S OFFICE SAN MARCOS	141 EAST CARMEL STREET	SAN MARCOS	CARLSBAD	M	Y
31	RAMONA BRANCH BUILDINGS	1406 MONTECITO ROAD	RAMONA	SAN DIEGUITO	M	Y
32	FORMER MOUNTAIN EMPIRE SCHOOL DISTRICT	FORREST GATE ROAD	CAMPO	TIJUANA	M	N
33	TOPAZ BUILDINGS	9325-53 HAZARD WAY	SAN DIEGO	SAN DIEGO RIVER	M	Y
HHSA FACILITIES						
34	CENTRAL REGIONAL PUBLIC HEALTH CENTER	5202 UNIVERSITY AVE	SAN DIEGO	PUEBLO	M	N
35	COMPREHENSIVE HEALTH CARE CENTER	3177 OCEAN VIEW BLVD	SAN DIEGO	PUEBLO	M	N
36	CRASH (GOLDEN HILL HOUSE)	2410 E STREET	SAN DIEGO	PUEBLO	L	N
37	EL CAJON FAMILY RESOURCE CENTER	220 SOUTH FIRST STREET	EL CAJON	SAN DIEGO RIVER	M	N
38	EMERGENCY MEDICAL SERVICES	6255 MISSION GORGE ROAD	SAN DIEGO	SAN DIEGO RIVER	L	Y
39	HHSA DISTRICT OFFICE, PUBLIC HEALTH, AND REGIONAL TRAINING CENTER	620 EAST VALLEY PARKWAY	ESCONDIDO	CARLSBAD	M	Y
40	FALLBROOK PUBLIC HEALTH CENTER	130 EAST ALVARADO ST	FALLBROOK	SANTA MARGARITA	L	N
41	HEALTH SERVICES COMPLEX AND PSYCH. HOSPITAL	3851/3853 ROSECRANS ST	SAN DIEGO	SAN DIEGO RIVER & PUEBLO	M	Y

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
42	HOUSE OF METAMORPHOSIS	2970 MARKET ST	SAN DIEGO	PUEBLO	M	N
43	LEVANT SERVICE CENTER	6950 LEVANT ST	SAN DIEGO	PEÑASQUITOS	M	Y
44	NEW ALTERNATIVES (HILLCREST RECEIVING HOME)	4307 THIRD AVENUE	SAN DIEGO	SAN DIEGO RIVER	M	Y
45	NORTHEAST FAMILY RESOURCE CENTER	5001 73RD ST	SAN DIEGO	SAN DIEGO RIVER	M	N
46	OCEANSIDE BRANCH BUILDINGS	1701 MISSION AVENUE	OCEANSIDE	CARLSBAD	M	N
47	OCEANSIDE PUBLIC HEALTH CENTER	104 SOUTH BARNES ST.	OCEANSIDE	CARLSBAD	M	N
48	POLINSKY CHILDRENS CENTER	9400 RUFFIN COURT	SAN DIEGO	SAN DIEGO RIVER	M	Y
49	SAN PASQUAL ACADEMY	17701 SAN PASQUAL VALLEY ROAD	ESCONDIDO	SAN DIEGUITO	H	Y
50	SOUTHEAST FAMILY RESOURCE CENTER	4588 MARKET ST	SAN DIEGO	PUEBLO	M	N
51	HHSA OFFICES	5055 RUFFIN ROAD	SAN DIEGO	SAN DIEGO RIVER	M	Y
52	NEW EDGEMOOR	655 PARK CENTER DRIVE	SANTEE	SAN DIEGO RIVER	M	Y
ANIMAL SHELTERS						
53	SOUTH COUNTY ANIMAL SHELTER	5821 SWEETWATER ROAD	BONITA	SWEETWATER	M	Y
54	NORTH COUNTY ANIMAL SHELTER	2481 PALOMAR AIRPORT ROAD	CARLSBAD	CARLSBAD	M	N
AGRICULTURE WEIGHTS AND MEASURES						
55	AGRICULTURE INSECTARY	511 G STREET	CHULA VISTA	SWEETWATER	L	N
REGIONAL OPERATIONS CENTERS						
56	COUNTY ADMINISTRATION CENTER	1600 PACIFIC HIGHWAY	SAN DIEGO	PUEBLO	M	N

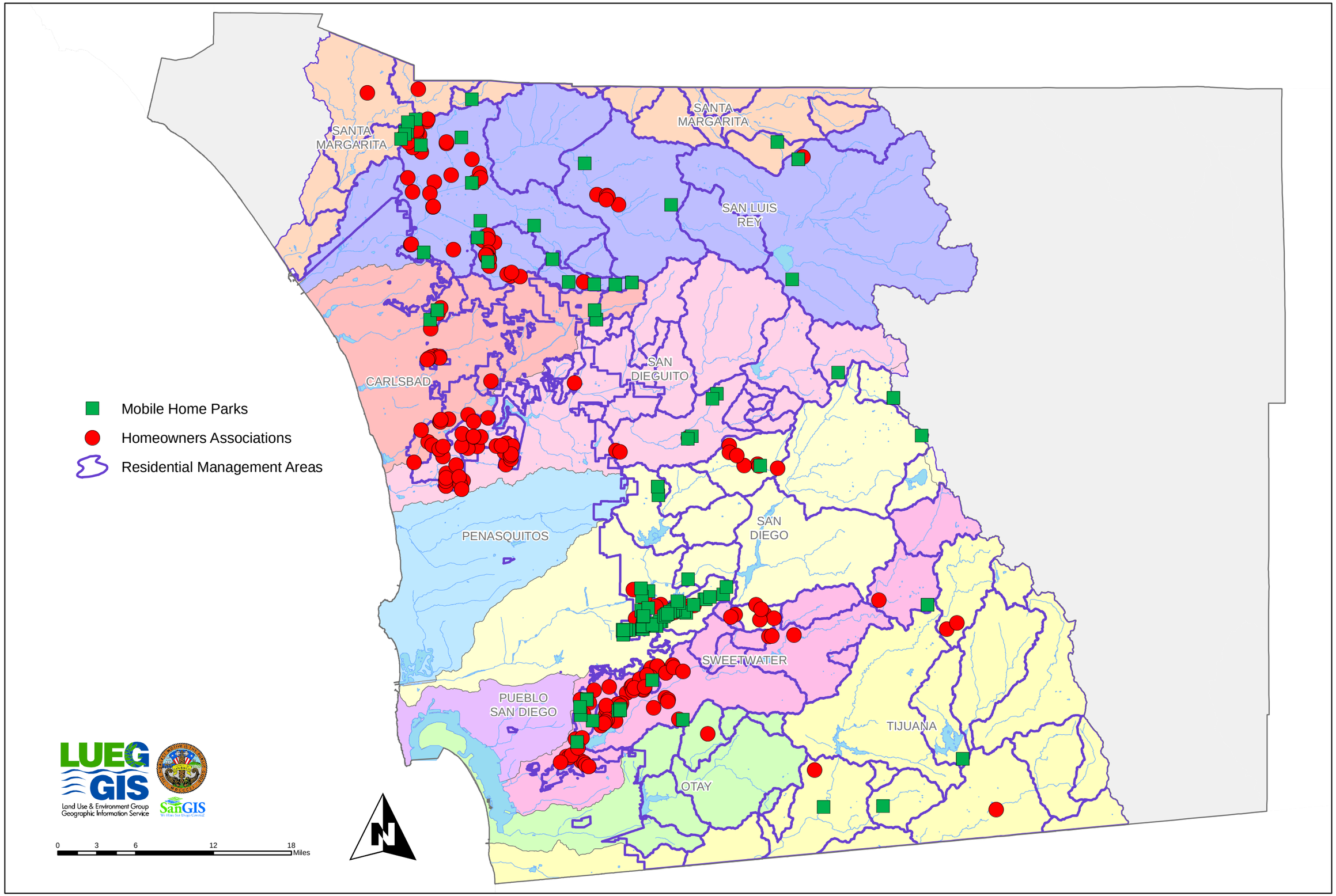
NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
57	COUNTY OPERATIONS CENTER	5555 OVERLAND AVE	SAN DIEGO	SAN DIEGO RIVER	H	Y
58	COUNTY OPERATIONS CENTER ANNEX	5201 RUFFIN ROAD	SAN DIEGO	SAN DIEGO RIVER	H	Y
59	EAST COUNTY REGIONAL CENTER	250 EAST MAIN ST	EL CAJON	SAN DIEGO RIVER	M	N
60	NORTH COUNTY REGIONAL CENTER - VISTA COURTHOUSE	325 S. MELROSE DRIVE	VISTA	CARLSBAD	H	Y
61	SOUTH COUNTY REGIONAL CENTER	500 THIRD AVENUE	CHULA VISTA	PUEBLO	M	N
SHERIFF FACILITIES						
62	ENCINITAS SHERIFF STATION	175 N. EL CAMINO REAL	ENCINITAS	CARLSBAD	M	N
63	FALLBROOK SHERIFF SUBSTATION	388 EAST ALVARADO	FALLBROOK 92028	SANTA MARGARITA	M	N
64	JULIAN SHERIFF SUBSTATION	2907 WASHINGTON STREET	JULIAN	SAN DIEGO RIVER	M	N
65	SANTEE / EL CAJON OPERATIONS CENTER & SHERIFF SUBSTATION	8811 CUYAMACA ST	SANTEE	SAN DIEGO RIVER	M	N
66	VALLEY CENTER SHERIFF SUBSTATION	28205 N. LAKE WOHLFORD ROAD	VALLEY CENTER	SAN LUIS REY	L	N
67	4-S RANCH SHERIFF SUBSTATION	10282 RANCHO BERNARDO ROAD	SAN DIEGO	SAN DIEQUITO	M	Y
68	ALPINE SHERIFF STATION	2751 ALPINE BOULEVARD	ALPINE	SWEETWATER	M	N
69	SHERIFF'S ADMINISTRATION CENTER	9621 RIDGEHAVEN COURT	SAN DIEGO	SAN DIEGO RIVER	M	Y
70	SHERIFF'S REGIONAL CRIME LAB	5255 MOUNT ETNA DRIVE	SAN DIEGO	PEÑASQUITOS	M	N

NO.	FACILITY	ADDRESS	CITY	WATERSHED	PRIORITY	ESA/ 303(d)
UNLISTED FACILITY						
71	Descanso Deterntion	7878 Campbell Ranch Road	ALPINE	SWEETWATER	M	N
NEW FACILITY						
72	RANCHO SAN DIEGO SHERIFF SUBSTATION	11486 Campo Road	Spring Valley	SWEETWATER	TBD	TBD
73	PINEVALLET SHERIFF SUBSTATION	28696 Old Highway 80	Pine Valley	TIJUANA	TBD	TBD

Table 7. Summary of Airports Inventory

FACILITY NUMBER	FACILITY	ADDRESS	CITY	WATERSHED	PR.	ESA/ 303(d)
101	FALLBROOK COMMUNITY AIRPORT	2155 S. MISSION ROAD	FALLBROOK	SAN LUIS REY	H	N
102	GILLESPIE FIELD AIRPORT	1960 JOE CROSSON DRIVE	EL CAJON	SAN DIEGO RIVER	H	Y
102-b	GILLESPIE FIELD STORAGE	1780 GILLESPIE WAY	EL CAJON	SAN DIEGO RIVER	H	Y
103	MCCLELLAN-PALOMAR AIRPORT	2192 PALOMAR AIRPORT ROAD	CARLSBAD	CARLSBAD	H	N
104	RAMONA AIRPORT	2450 MONTECITO ROAD	RAMONA	SAN DIEGUITO	H	N

Attachment 5.9 – Residential Management Area Map



Path: P:\20141218_JRMP_update\RMA_HSA.mxd Date: 2/11/2015

Attachment 5.10 – Municipal PGA/POC Tables

Table 5.10-1 PGAs and POCs for Roads, Streets, and Highways.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X		X	X				
A.1.b	Storage of Materials	X		X			X		
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste						X	X	X
A.2.b	Solid Waste	X		X					
A.2.g	Green Waste		X	X		X			X
A.2.h	Recyclables / Reusables	X		X	X				
Category B: Vehicle and Equipment Activities									
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.c	Vehicle and Equipment Fueling				X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.b	Landscaping Activities	X	X	X					
C.1.c	Pesticide, Herbicide, and Fertilizer Application		X						X
C.1.f	Sidewalks	X		X					
C.1.j	Erodible Surfaces & Areas Under Construction	X		X			X		
C.2	**ROADS AND STREETS**								
C.2.a	Road and Street Maintenance	X			X		X		
C.2.b	Road and Street Use	X	X	X	X	X	X	X	X
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation and Maintenance	X	X	X	X		X	X	X
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.4	Abrasive Blasting	X			X				
D.10	Dust & Particulate-Generating Activities	X	X		X				
D.21	Painting or Coating Activities				X		X	X	
D.30	Welding				X				

Table 5.10-2 PGAs and POCs for MS4s.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X		X	X				
Category B: Vehicle and Equipment Activities									
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.c	Vehicle and Equipment Fueling				X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.c	Pesticide, Herbicide, and Fertilizer Application		X						X
C.1.j	Erodible Surfaces & Areas Under Construction	X		X					
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation and Maintenance	X	X	X	X		X	X	X
C.3.b	Treatment Control BMP Maintenance	X		X	X		X	X	
C.3.c	Illicit Discharges and Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.8	Cutting, Trimming, or Grinding	X			X				
D.10	Dust & Particulate-Generating Activities	X	X		X				
D.21	Painting or Coating Activities				X		X	X	
D.29	Weed Abatement and Vegetation Clearing	X		X					X

Table 5.10-3 PGAs and POCs for Solid Waste.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X							
A.1.b	Storage of Materials	X							
A.1.c	Liquid Container Storage				X		X	X	
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste				X		X	X	
A.2.b	Solid Waste	X		X		X			
A.2.f	Sanitary Wastes		X	X		X		X	
A.2.g	Green Waste	X	X	X		X			X
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage	X			X		X	X	
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.a	Vehicle & Equipment Repair				X		X		
B.2.c	Vehicle & Equipment Fueling						X	X	
B.2.e	Equipment Cleaning	X			X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.c	Pesticide, Herbicide, Fertilizer Application		X		X				X
C.1.j	Erodible Surfaces	X							
C.1.k	Earth Moving Activities & Construction	X		X			X		
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation & Maintenance	X	X	X	X		X	X	X
C.3.b	Treatment Control BMP Maintenance	X		X					
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category D: Specific Operations and Activities									
D.9	Differential Settling Maintenance	X							
D.10	Dust & Particulate-Generating Activities	X							
D.17	Gas Extraction, Well Installation & Destruction	X	X	X			X	X	
D.18	Leachate Collection System Maintenance		X		X	X	X	X	
D.19	Methane Recovery System Maintenance			X			X	X	
D.24	Recreational Uses	X		X					
D.29	Weed Abatement & Vegetation Clearing	X	X	X					X

Table 5.10-4 PGAs and POCs for Wastewater

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading		X	X					X
A.1.b	Storage of Materials		X		X	X	X	X	
A.1.c	Liquid Container Storage				X		X	X	X
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste						X	X	X
A.2.b	Solid Waste		X	X	X	X			
A.2.e	Liquid Waste		X		X	X	X	X	
A.2.f	Sanitary Wastes		X	X	X	X	X	X	
A.2.g	Green Waste	X	X	X		X			X
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage				X		X	X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.a	Vehicle & Equipment Repair				X		X		
B.2.c	Vehicle & Equipment Fueling						X	X	
B.2.e	Equipment Cleaning	X	X		X	X	X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.c	Pesticide, Herbicide, Fertilizer Application		X		X				X
C.1.f	Sidewalks	X		X					
C.1.j	Erodible Surfaces	X							
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation and Maintenance	X	X	X	X		X	X	X
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.10	Dust & Particulate-Generating Activities	X	X		X	X			
D.15	Floors, Mats, & Surface Cleaning	X				X		X	
D.25	Sludge Removal and Disposal	X	X		X	X			
D.27	Treatment Pond Maintenance	X	X			X		X	X
D.28	Wastewater Treatment	X	X	X	X	X	X	X	
D.29	Weed Abatement & Vegetation Clearing	X		X					X

Table 5.10-5 PGAs and POCs for Road Facilities

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X		X	X		X	X	
A.1.b	Storage of Materials	X	X		X		X	X	
A.1.c	Liquid Container Storage				X		X	X	
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste				X		X	X	X
A.2.b	Solid Waste			X	X	X	X	X	
A.2.e	Liquid Waste				X		X	X	
A.2.f	Sanitary Wastes		X	X		X		X	
A.2.g	Green Waste	X	X	X		X			X
A.2.h	Recyclables / Reusables	X		X	X		X	X	
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage	X			X		X	X	
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.c	Vehicle & Equipment Fueling				X		X	X	
B.2.d	Vehicle Washing	X			X		X	X	
B.2.e	Equipment Cleaning	X			X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.c	Pesticide, Herbicide, Fertilizer Application		X		X				X
C.1.e	Rooftop & Downspout Maintenance	X		X	X		X		
C.1.f	Sidewalks	X		X					
C.1.h	Pressure Washing	X			X		X	X	
C.1.j	Erodible Surfaces	X							

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation & Maintenance	X	X	X	X		X	X	X
C.3.b	Treatment Control BMP Maintenance	X		X	X		X	X	
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.10	Dust & Particulate-Generating Activities	X							
D.15	Floors, Mats, & Surface Cleaning	X				X	X	X	
D.21	Painting or Coating Activities				X			X	

Table 5.10-6 PGAs and POCs for Fleet

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading			X			X	X	
A.1.b	Storage of Materials				X		X	X	
A.1.c	Liquid Container Storage				X		X	X	
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste				X		X	X	X
A.2.b	Solid Waste			X	X	X	X	X	
A.2.e	Liquid Waste				X		X	X	
A.2.h	Recyclables / Reusables			X	X		X	X	
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage				X		X	X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.a	Vehicle and Equipment Repair				X		X	X	
B.2.b	Changing Vehicle Fluids				X		X	X	
B.2.c	Vehicle & Equipment Fueling				X		X	X	
B.2.d	Vehicle Washing	X			X		X	X	
B.2.e	Equipment Cleaning	X			X		X	X	X
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.e	Rooftop & Downspout Maintenance	X		X	X		X		
C.1.f	Sidewalks	X		X					
C.1.h	Pressure Washing	X			X		X	X	
C.3	**STORM DRAIN SYSTEMS**								
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.4	Abrasive Blasting	X			X		X	X	
D.8	Cutting, Trimming, or Grinding				X		X	X	
D.11	Fabrication				X		X		
D.15	Floors, Mats, & Surface Cleaning	X			X	X	X	X	
D.21	Painting or Coating Activities				X			X	
D.30	Welding				X				

Table 5.10-7 PGAs and POCs for Airports.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X	X	X	X		X	X	
A.1.b	Storage of Materials	X	X		X		X	X	
A.1.c	Liquid Container Storage						X	X	
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste				X		X	X	
A.2.b	Solid Waste		X	X	X	X		X	
A.2.c	Food Grease & Oil						X	X	
A.2.f	Sanitary Wastes		X	X		X		X	
A.2.g	Green Waste	X	X	X		X			X
A.2.h	Recyclables / Reusables			X	X		X	X	
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage				X		X	X	
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.a	Vehicle & Equipment Repair				X		X	X	
B.2.b	Changing Vehicle Fluids				X		X	X	
B.2.c	Vehicle & Equipment Fueling				X		X	X	
B.2.d	Vehicle Washing	X			X		X	X	
B.2.e	Equipment Cleaning	X			X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.e	Rooftop & Downspout Maintenance	X		X	X		X	X	
C.1.f	Sidewalks	X		X					
C.1.g	Break Areas & Public Areas		X		X	X			
C.1.h	Pressure Washing	X		X	X		X	X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
C.1.i	Fire Sprinkler Testing & Maintenance				X	X			
C.1.j	Erodible Surfaces	X							
C.1.k	Earth Moving Activities & Areas Under Construction	X		X			X		
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation & Maintenance	X	X	X	X		X	X	X
C.3.b	Treatment Control BMP Maintenance	X		X	X		X	X	
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.1	Accident and Medical Emergency Response			X		X			
D.4	Abrasive Blasting	X			X		X	X	
D.5	Casting, Forging, or Forming				X			X	
D.8	Cutting, Trimming, or Grinding				X		X	X	
D.10	Dust & Particulate-Generating Activities	X			X				
D.15	Floors, Mats, & Surface Cleaning	X				X	X	X	
D.16	Food Preparation			X		X	X		
D.21	Painting or Coating Activities				X			X	
D.23	Ramp & Runway Maintenance	X		X	X		X	X	
D.30	Welding				X				

Table 5.10-8 PGAs and POCs for Parks

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X	X	X			X	X	
A.1.b	Storage of Materials	X	X		X		X	X	X
A.1.c	Liquid Container Storage				X		X	X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste				X		X	X	X
A.2.b	Solid Waste		X	X	X	X		X	
A.2.c	Food Grease and Oil					X	X		
A.2.d	Pet Waste / Manure		X			X			
A.2.e	Liquid Waste						X	X	
A.2.f	Sanitary Wastes		X	X		X			
A.2.g	Green Waste	X	X	X		X			X
A.2.h	Recyclables / Reusables			X	X		X	X	
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage	X			X		X	X	
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.a	Vehicle & Equipment Repair				X		X	X	
B.2.b	Changing Vehicle Fluids				X		X	X	
B.2.c	Vehicle & Equipment Fueling						X	X	
B.2.e	Equipment Cleaning	X	X		X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.c	Pesticide, Herbicide, Fertilizer Application		X		X				X
C.1.e	Rooftop & Downspout Maintenance	X		X	X		X		
C.1.f	Sidewalks	X		X					
C.1.g	Break Areas & Public Areas			X		X			
C.1.h	Pressure Washing	X			X		X		
C.1.j	Erodible Surfaces	X							
C.1.k	Earth Moving Activities & Areas Under Construction	X		X			X		
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation & Maintenance	X	X	X	X		X	X	X

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
C.3.b	Treatment Control BMP Maintenance	X		X	X		X	X	
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.10	Dust & Particulate-Generating Activities	X							
D.15	Floors, Mats, & Surface Cleaning	X			X	X	X	X	
D.16	Food Preparation			X		X	X		
D.21	Painting or Coating Activities				X			X	
D.24	Recreational Uses	X		X	X	X	X		
D.26	Special Events	X	X	X	X	X	X	X	
D.29	Weed Abatement & Vegetation Clearing	X	X	X		X			X
D.30	Welding				X				

Table 5.10-9 PGAs and POCs for Buildings and Other Facilities.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X		X	X		X	X	
A.1.b	Storage of Materials	X			X		X	X	
A.1.c	Liquid Container Storage				X		X	X	
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste				X	X	X	X	
A.2.b	Solid Waste			X	X	X			
A.2.c	Food Grease and Oil					X	X		
A.2.d	Pet Waste / Manure		X			X			
A.2.e	Liquid Waste					X	X	X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
A.2.f	Sanitary Wastes		X	X		X		X	
A.2.g	Green Waste	X	X	X		X			X
A.2.h	Recyclables / Reusables			X	X		X	X	
Category B: Vehicle and Equipment Activities									
B.1	**VEHICLE AND EQUIPMENT STORAGE**								
B.1.a	Outdoor Vehicle Storage	X			X		X	X	
B.1.b	Outdoor Equipment & Parts Storage				X		X		
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.a	Vehicle & Equipment Repair			X	X		X	X	
B.2.c	Vehicle & Equipment Fueling						X	X	
B.2.d	Vehicle Washing	X			X		X	X	
B.2.e	Equipment Cleaning	X	X		X		X	X	X
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.b	Landscaping Activities	X	X	X		X			X
C.1.c	Pesticide, Herbicide, & Fertilizer Application		X		X				X
C.1.d	Pool, Spa, & Fountain Maintenance	X	X			X		X	
C.1.e	Rooftop & Downspout Maintenance	X		X	X		X		
C.1.f	Sidewalks	X		X					
C.1.g	Break Areas & Public Areas			X		X			
C.1.h	Pressure Washing	X			X		X		
C.1.i	Fire Sprinkler Testing & Maintenance				X	X			
C.1.j	Erodible Surfaces	X							
C.1.k	Earth Moving Activities & Areas Under Construction	X		X			X		
C.3	**STORM DRAIN SYSTEMS**								
C.3a	Storm Drain Operation & Maintenance	X	X	X	X		X	X	X
C.3.b	Treatment Control BMP Maintenance	X		X	X		X	X	
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X
Category D: Specific Operations and Activities									
D.2	Animal Grooming & Washing	X				X		X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
D.8	Cutting, Trimming, or Grinding				X				
D.10	Dust & Particulate-Generating Activities	X							
D.15	Floors, Mats, & Surface Cleaning	X				X	X	X	
D.16	Food Preparation			X		X	X		
D.20	Mixing				X			X	
D.21	Painting or Coating Activities			X	X			X	
D.26	Special Events	X	X	X	X	X	X	X	
D.29	Weed Abatement & Vegetation Clearing	X		X					X
D.30	Welding				X				

Table 5.10-10 PGAs and POCs for Pesticide, Herbicide, and Fertilizer Application.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading		X					X	X
A.1.b	Storage of Materials		X					X	X
A.2	**WASTE HANDLING AND STORAGE**								
A.2.a	Hazardous Waste						X	X	X
A.2.b	Solid Waste	X	X	X				X	X
A.2.g	Green Waste		X	X		X		X	X
A.2.h	Recyclables / Reusables			X	X				
Category B: Vehicle and Equipment Activities									
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.e	Equipment Cleaning	X	X		X		X	X	X
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.b	Landscaping Activities	X	X	X					

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
C.1.c	Pesticide, Herbicide, and Fertilizer Application		X						X
Category D: Specific Operations and Activities									
D.6	Chemical Treatment		X					X	X
D.15	Floors, Mats, and Surface Cleaning	X	X		X	X		X	X
D.20	Mixing		X					X	X
D.22	Pesticide or Other Chemical Product Formulation		X					X	X
D.29	Weed Abatement and Vegetation Clearing	X							X

Table 5.10-11 PGAs and POCs for Non-Emergency Fire Fighting Activities.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading			X			X	X	
A.2	**WASTE HANDLING AND STORAGE**								
A.2.b	Solid Waste			X	X	X	X	X	
A.2.e	Liquid Waste		X		X			X	
A.2.g	Green Waste	X	X	X	X				X
Category B: Vehicle and Equipment Activities									
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.d	Vehicle Washing	X			X		X	X	
B.2.e	Equipment Cleaning	X			X		X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.j	Erodible Surfaces	X							
C.3	**STORM DRAIN SYSTEMS**								
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	X

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category D: Specific Operations and Activities									
D.7	Control Burns	X	X		X			X	
D.10	Dust & Particulate-Generating Activities	X							
D.12	Firefighting Field Training & Drills	X		X					
D.13	Fire Access Roads / Fire Break Creation and Maintenance	X		X					
D.14	Fire Hydrant, Tank, & Hose Testing & Maintenance	X	X	X				X	

Table 5.10-12 PGAs and POCs for Special Events.

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
Category A: Management of Materials , Equipment, and Wastes									
A.1	**MATERIALS MANAGEMENT**								
A.1.a	Materials Loading & Unloading	X		X	X		X		
A.1.b	Storage of Materials	X		X			X		
A.1.c	Liquid Container Storage				X		X		
A.2	**WASTE HANDLING AND STORAGE**								
A.2.b	Solid Waste	X		X					
A.2.c	Food Grease and Oil		X			X	X		
A.2.d	Pet Waste / Manure		X			X			
A.2.e	Liquid Waste		X					X	
A.2.f	Sanitary Wastes		X	X		X			
A.2.g	Green Waste		X			X			
A.2.h	Recyclables / Reusables			X	X				
Category B: Vehicle and Equipment Activities									
B.2	**VEHICLE AND EQUIPMENT REPAIR, MAINTENANCE, AND SERVICE**								
B.2.c	Vehicle and Equipment Fueling						X	X	

PGA Reference Number	Pollutant-Generating Activity (PGA)	Pollutants-of-Concern (POC)							
		Sediment	Nutrients	Trash & Debris	Metals	Pathogens	Oil & Grease	Other Organics	Pesticides
B.2.e	Equipment Cleaning	X	X	X	X	X	X	X	
Category C: Outdoor Area Maintenance									
C.1	**BUILDING AND GROUNDS MAINTENANCE**								
C.1.a	Parking Areas	X		X	X		X	X	
C.1.f	Sidewalks	X		X					
C.1.g	Break Areas and Public Areas			X		X			
C.1.h	Pressure Washing	X			X		X		
C.2	**ROADS AND STREETS**								
C.2.b	Road and Street Use	X		X	X		X	X	
C.3	**STORM DRAIN SYSTEMS**								
C.3.c	Illicit Discharges & Connections	X	X	X	X	X	X	X	
Category D: Specific Operations and Activities									
D.10	Dust and Particulate-Generating Activities	X							
D.15	Floors, Mats, and Surface Cleaning	X				X	X	X	
D.16	Food Preparation			X		X	X		
D.24	Recreational Uses	X		X		X			
D.26	Special Events	X	X	X	X	X	X	X	

6.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION COMPONENT 1

6.1 Introduction 1

6.2 Non-Stormwater Discharges 1
6.2.1 Non-Stormwater Discharges Natural in Origin and Conveyance [E.2.a.(3)] 1
6.2.2 Other Non-Stormwater Discharges [E.2.a.(1)-(2) and E.2.a.(4)(a)-(c)] 2
6.2.3 Stormwater Discharge Categories Determined to be Significant Source of Pollutants 3
6.2.4 Prohibited Non-Stormwater Discharge Categories 3
6.2.5 Control Measures for Allowable Non-Stormwater Discharges 3
6.2.6 Program for Emergency and Non-Emergency Firefighting Flows 6

6.3 Prevent and Detect Illicit Discharges and Connections 7
6.3.1 Development and Maintenance of Updated MS4 Drainage Area Map 7
6.3.2 Coordination with Upstream Entities to Prevent Illicit Discharges 7
6.3.3 County Staff and Contractor Reporting of Illicit Discharges and Connections 7
6.3.4 Public Reporting of Illicit Discharges and Connections 7

6.4 Spill Prevention and Response 8
6.4.1 Spill Prevention 8
6.4.2 Spill Response, Containment, and Cleanup 9

6.5 Dry Weather MS4 Outfall Discharge Monitoring 10
6.5.1 Dry Weather MS4 Outfall Discharge Field Screening Monitoring 10
6.5.2 Non-Stormwater Persistent Flow MS4 Outfall Discharge Monitoring 11

6.6 Investigation and Elimination of Illicit Discharges and Connections 14
6.6.1 Illicit Discharge Incident Report 16
6.6.2 Validation 16
6.6.3 Prioritization and Response 18
6.6.4 Investigation 18
6.6.5 Tracking to Endpoint 20
6.6.6 Recordkeeping 20
6.6.7 Reporting (Annual Report) 21

Table 6.1: Field Screening Visual Observations for MS4 Outfall Discharge Monitoring Stations 11

Figure 6.1: Overview of Investigation Procedures 15
Figure 6.2: Validation and Initial Responses to Illicit Discharge Incident Reports 17

Attachment 6.1: MS4 Drainage Area Map

6.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION COMPONENT

6.1 Introduction

The overall goal of this Jurisdictional Runoff Management Program (JRMP) component is to establish a programmatic framework for the implementation of activities to minimize the impact of illicit discharges and connections on receiving waters and other environmental resources in the County of San Diego (County).

By eliminating these discharges and connections, the County is better able to protect and enhance the quality of these resources. The County has implemented a comprehensive program to effectively address these discharges, and a number of its program activities are described in this section.

Underlying requirements are set forth in the County's Watershed Protection Ordinance (WPO) Section 67.801 et seq.

6.2 Non-Stormwater Discharges

The 2013 MS4 Permit section E.2.a. requires that the County address all non-stormwater discharges, including irrigation runoff, as illicit discharges unless such discharges are either authorized by a separate National Pollutant Discharge Elimination System (NPDES) permit or identified as a category of non-stormwater discharges or flows that are addressed by other requirements (E.2.a.(1-5)).

The categories of non-stormwater discharges or flows that are included in the 2013 MS4 Permit are summarized below.

6.2.1 Non-Stormwater Discharges Natural in Origin and Conveyance [E.2.a.(3)]

These discharges are addressed as illicit discharges only if the County or the San Diego Regional Water Quality Control Board (Regional Board) identifies the discharge as a source of pollutants to receiving waters. Natural sources infiltrating or entering the storm drain may include:

a) Diverted stream flows

b) Rising ground waters

c) Uncontaminated ground water infiltration to MS4s

d) Springs

e) Flows from riparian habitats and wetlands

f) Discharges from potable water sources

g) Discharges from foundation drains

h) Discharges from footing drains

6.2.2 Other Non-Stormwater Discharges [E.2.a.(1)-(2) and E.2.a.(4)(a)-(c)]

In general, these discharges are authorized by a separate NPDES permit or are required to be controlled by other means. They include the following:

(1) Discharge is covered under *General Waste Discharge Requirements for Discharges from Temporary Groundwater Extraction and Similar Waste Discharges to San Diego Bay, Tributaries Thereto under Tidal Influence, and Storm Drains or Other Conveyance Systems Tributary Thereto* (NPDES Permit No. CAG919001) or *General Waste Discharge Requirements for Discharges from Groundwater Extraction and Similar Discharges to Surface Waters within the San Diego Region Except for San Diego Bay* (NPDES Permit No. CAG919002):[1]

a) Uncontaminated pumped ground water

b) Discharges from foundation drains[2]

c) Water from crawl space pumps

d) Water from footing drains[3]

(2) Discharge has coverage under *General Waste Discharge Requirements for the Discharges of Hydrostatic Test Water and Potable Water to Surface Waters and Storm Drains or Other Conveyance Systems within the San Diego Region* (NPDES Permit No. CAG 679001).[4]

(3) Discharge is to be controlled through statute, ordinance, permit, contract, order, or similar means:[5]

a) Air conditioning condensation

b) Individual residential car washing

c) Dechlorinated swimming pool discharges

---

[1] Addressed as illicit discharge only if discharge does not have coverage [E.2.a.(1)]

[2] Permit section E.2.a.(1) only applies to this category of non-stormwater if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year. Permit section E.2.a.(3) only applies to this category of non-stormwater discharge if the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances.

[3] Permit section E.2.a.(3) only applies to this category of non-stormwater discharge if the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances.

[4] Addressed as illicit discharge only if discharge does not have coverage [E.2.a.(2)]

[5] Addressed as illicit discharge only if discharge is not controlled by Permit requirements via these means [E.2.a.(4)(a)-(c)]

6.2.3 Stormwater Discharge Categories Determined to be Significant Source of Pollutants

The County has not made a categorical determination that any of the non-stormwater discharge types listed in 2013 MS4 Permit sections E.2.a.(1)-(4) is a significant source of pollutants to waters of the U.S.

6.2.4 Prohibited Non-Stormwater Discharge Categories

The County has not categorically prohibited any of the non-stormwater discharge types listed in 2013 MS4 Permit sections E.2.a.(1)-(4).

6.2.5 Control Measures for Allowable Non-Stormwater Discharges

The County adopted an updated version of the WPO in June of 2015 to address changes in the 2013 MS4 Permit. Sections 67.804 and 67.805 of the County's WPO establish discharge prohibitions for the County Unincorporated area, as well as the conditions under which some non-stormwater discharges may be allowed.

Section 67.804 establishes the following prohibitions:

(a) It is unlawful for any person to discharge or cause the discharge of pollutants or non-stormwater directly or indirectly into the stormwater conveyance system or receiving waters, except as set forth in Section 67.805 or as otherwise authorized by law;

(b) It is unlawful for any person to construct, use or maintain a connection to the stormwater conveyance system that discharges any matter other than stormwater, except as set forth in Section 67.805(a). This Section expressly supersedes any previously issued permit or authorization granted by the County and expressly prohibits any previously legal non-conforming connection;

(c) It is unlawful to throw, deposit, leave, abandon, maintain, or keep materials or wastes on public or private lands in a manner and place where they may result in a discharge; and

(d) Stormwater discharges from the site may not contain sediments in amounts in excess of the sediments that would have been discharged from the site in an undisturbed condition.

Section 67.805 sets forth the following exemptions from the prohibitions in section 67.804:

(a) Any discharge or connection regulated under a valid facility-specific NPDES permit or non-stormwater discharges exempted pursuant to Section II.E.2. of the NPDES Order, provided that the discharge or connection is in compliance with all relevant permit conditions and the requirements of the NPDES Order to the satisfaction of the County or [Regional Board].

(b) Discharges of non-stormwater to the stormwater conveyance system covered by NPDES Permit No. CAG919001 (Order No. R9-2007-0034, or subsequent order) for discharges to San Diego Bay, or NPDES Permit No. CAG919002 (Order No. R9-2008-0002, or subsequent order) for discharges to surface waters other than San Diego Bay meeting the

requirements enumerated below are allowed unless determined by the County or [Regional Board] to be a source of pollutants to receiving waters:

(1) Uncontaminated pumped ground water;

(2) Discharges from foundation drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year;

(3) Water from crawl space pumps; and

(4) Water from footing drains if the system is designed to be located at or below the groundwater table to actively or passively extract groundwater during any part of the year.

(c) Non-stormwater discharges from water line flushing and water main breaks to the stormwater conveyance system are allowed provided the discharge is covered by NPDES Permit No. CAG679001 (Order No. R9-2010-003, or subsequent order) unless determined by the County or [Regional Board] to be a source of pollutants to receiving waters. This exemption does not cover discharges from recycled or reclaimed water lines unless covered by a separate NPDES permit.

(d) Discharges of non-stormwater to the stormwater conveyance system meeting the requirements enumerated below are allowed unless determined by the County or [Regional Board] to be a source of pollutants to receiving waters:

(1) Diverted stream flows;

(2) Rising ground waters;

(3) Uncontaminated ground water infiltration to stormwater conveyance system;

(4) Springs;

(5) Flows from riparian habitats and wetlands;

(6) Discharges from potable water sources;

(7) Discharges from foundation drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances; and

(8) Discharges from footing drains where the system is designed to be located above the groundwater table at all times of the year, and the system is only expected to discharge non-stormwater under unusual circumstances.

(e) Discharges of non-stormwater to the stormwater conveyance system as enumerated below are allowed unless determined by the County or [Regional Board] to be a source of pollutants to receiving waters:

(1) Air conditioning condensation

(A) Whenever feasible, the discharge of air conditioning condensation shall be directed to landscaped areas, pervious surfaces, or to the sanitary sewer.

(2) Individual residential vehicle washing at a residence in accordance with Section 67.807(b)

(A) Whenever feasible, the discharge of wash water shall be directed to landscaped areas or other pervious surfaces; and

(B) The amount of water, washing detergent and other vehicle wash products used shall be the minimum amount necessary to completely wash the vehicle. This requirement shall be deemed violated if visible soap scum, oil sheen, or other by-products of residential vehicle washing reach the gutter or other drainage conveyance device in front of the residence where the vehicle is being washed.

(3) Dechlorinated swimming pool discharges

(A) Residual chlorine from swimming pools and fountains must be eliminated prior to discharging to the stormwater conveyance system or receiving waters;

(B) Filter backwash, acid-wash water (pH <7.2 and > 8.0), and algaecide-treated pool water shall be prohibited from discharge to the stormwater conveyance system or receiving water; and

(C) The discharge of saline swimming pool water must be directed to the sanitary sewer, landscaped areas, or other pervious surfaces that can accommodate the volume of water, unless the saline swimming pool water can be discharged via a pipe or concrete channel directly to a naturally saline water body (e.g. Pacific Ocean).

(f) Firefighting discharges to the stormwater conveyance system are only prohibited if determined to be a significant source of pollutants to receiving waters by the County or [Regional Board]. Firefighting discharges to the stormwater conveyance system not identified as a significant source of pollutants to receiving waters are allowed provided they meet the following requirements:

(1) Non-emergency firefighting discharges

(A) Building fire suppression system maintenance discharges (e.g. sprinkler line flushing) to the stormwater conveyance system are prohibited unless BMPs are implemented to prevent pollutants associated with such discharges from entering the stormwater conveyance system.

(B) Non-emergency firefighting discharges (i.e., discharges from controlled or practice blazes, firefighting training, and maintenance activities not

associated with building fire suppression systems) must be addressed by a program developed and implemented by the County, to reduce or eliminate pollutants in such discharges from entering the stormwater conveyance system.

(2) Emergency firefighting discharges

(A) The development and implementation of BMPs to reduce or eliminate pollutants in emergency firefighting discharges to the stormwater conveyance system and receiving waters is encouraged, but not required. Notwithstanding the foregoing, the County may require the use of BMPs for firefighting discharges when determined by the authorized enforcement official to be necessary to eliminate or reduce the discharge of pollutants to the stormwater conveyance system or receiving waters. As applicable, required BMPs may include those described in Sections 67.806 and 67.808. Any BMPs that interfere with immediate emergency response operations or impact public health and safety need not be used.

(g) In the event that any non-stormwater discharge identified in Section 67.805 (a) through (f) is determined to be a source of pollutants to receiving waters, it may only be allowed to continue within an applicable Watershed Management Area if controls set forth by the County in the corresponding Water Quality Improvement Plan are implemented to the satisfaction of the [Regional Board].

(h) Discharges exempted from compliance by operation or law; any permits, orders or decisions issued by the [Regional Board]; and any waivers, or renewals of waivers issued by the [Regional Board] such as those covered by Regional Board Order No. R9-2014-0041, adopted June 26, 2014.

None of the exemptions of Section 67.805 is absolute. Any discharge category that the authorized enforcement official determines is a significant source of pollutant to waters of the United States will be prohibited from entering the stormwater conveyance system or receiving waters, or the discharger required to implement additional Best Management Practices (BMPs) to reduce pollutants in that discharge to the Maximum Extent Practicable (MEP), using the best available technology. The authorized enforcement official may issue a written notice to the discharger imposing a schedule to cease the discharge or implement the additional BMPs.

6.2.6 Program for Emergency and Non-Emergency Firefighting Flows

Per 2013 MS4 Permit Section E.2.a.(5), emergency firefighting flows (i.e., flows necessary for the protection of life or property) are addressed as illicit discharges only if the County or the Regional Board has identified the discharge as a source of pollutants to receiving waters.

The County must, however, address both emergency and non-emergency firefighting flows by implementing a program to reduce or eliminate pollutants associated with these discharges. Non-

emergency firefighting flows include building fire suppression system maintenance discharges, discharges from controlled or practice blazes, and other maintenance activities.

This program is described in Section 5.3.12.

6.3 Prevent and Detect Illicit Discharges and Connections

The County is required to implement a program to prevent and detect illicit discharges and connections to the Municipal Separate Storm Sewer System (MS4). The County's program activities addressing this requirement are the core of the Illicit Discharge Detection and Elimination Component.

6.3.1 Development and Maintenance of Updated MS4 Drainage Area Map

The County is required to update and maintain an MS4 Drainage Area Map, per 2013 MS4 Permit section E.2.b.(1), and confirm its accuracy during field screening activities conducted to meet the requirements of 2013 MS4 Permit section E.2.c. The County's current MS4 Drainage Area map is provided as Attachment 6.1. This map will be updated as needed throughout the Permit term, based on any new information provided by field personnel and the County's Capital Improvements Program, to accurately depict the required elements.

6.3.2 Coordination with Upstream Entities to Prevent Illicit Discharges

When circumstances require it, the County will coordinate with upstream Copermittees and/or entities to prevent illicit discharges from upstream sources from reaching the MS4 within its jurisdiction.

6.3.3 County Staff and Contractor Reporting of Illicit Discharges and Connections

County field staff are trained to recognize illicit discharges so that, during their normal inspection or maintenance activities, they can identify signs of previous, current, or potential non-stormwater discharges and/or connections—or illegal dumping into the storm drain system. Once such incidents are discovered, the field staff notifies their respective supervisors so that the incidents can be validated, prioritized, and investigated in a timely manner (see Section 6.6). Obvious illicit discharges (i.e., color, odor, or significant exceedances of action levels) must be investigated immediately.

In addition, County contractors are required to assist in identification of illicit discharges and connections while conducting contracted activities.

6.3.4 Public Reporting of Illicit Discharges and Connections

In accordance with 2013 MS4 Permit section E.2.b.(3)(a), the County will continue to operate a public hotline to facilitate public reporting of illicit discharges or water quality impacts associated with discharges from residences, businesses, and other sources. This hotline is capable of receiving reports in both English and Spanish 24 hours a day seven days per week. The hotline receives calls from a toll-free Regional Stormwater Hotline (1-888-846-0800). All calls are answered by hotline operators, Monday through Friday, 8:00 a.m. - 5:00 p.m. A voice mail message is provided for 24-hour public access in both English and Spanish. Public reporting is

also available by accessing the Project Clean Water website's Report Pollution page[6], Accela Citizens Access web interface[7], or by contacting the Department of Public Works (DPW), Watershed Protection Program (WPP) directly (watersheds@sdcounty.ca.gov). A link to this email address (watersheds@sdcounty.ca.gov) is displayed on the DPW Watershed Protection webpage.[8] All complaint information received is forwarded to the Department of Public Works, Watershed Protection Program staff for routing to the appropriate departments or agencies for follow up and/or investigation.

This hotline number and the website addresses are distributed to the public via brochures, advertisements, and various other outreach methods to encourage them to report complaints. Through its education and outreach program, the County will continue to aggressively market the various contact methods to all target audiences.

See Section 7 for a detailed description of the County's Education Program.

6.4 Spill Prevention and Response

The County has established spill prevention and response procedures and requirements that are applicable both to its own staff and to private residences in the County Unincorporated area.

6.4.1 Spill Prevention

The County works to prevent spills and limit infiltration of seepage from sanitary sewers (including failing septic systems and private laterals) to the MS4. These activities are described in more detail below.

6.4.1.1 DPW Wastewater Management Section (WWM)

As described in Section 5.3.5, the Wastewater Management Section is responsible for maintaining sewer lines, pump stations, force mains, and several treatment plants for the County Unincorporated areas of Alpine, Julian, Lakeside, Spring Valley, Pine Valley, and Winter Gardens. The department delivers millions of gallons of wastewater from homes and businesses every day. Within these six sanitation districts, the department maintains a collection system of more than 430 miles of pipeline, with 10 pumping stations augmenting the system. An aggressive preventive maintenance program is followed by the department's Field Operations Section. Two-person crews are assigned to perform regular cleaning and inspection of lines by using high pressure water cleaners, sewer rodding vehicles, vacuum trucks, and pipeline video equipment.

Pumping stations are also aggressively maintained by WWM personnel. Daily, weekly, and monthly checks, tasks and alarm testing increase the service life and reliability of all equipment. Stations are linked to the main office via radio telemetry, enabling staff to obtain real-time status from miles away. In the event of a problem, personnel are notified via the computer alarm system. All stations are equipped with redundant control systems, pumps, and overflow storage

[6] www.projectcleanwater.org
[7] https://publicservices.sdcounty.ca.gov/citizenaccess/
[8] http://www.sandiegocounty.gov/content/sdc/dpw/watersheds.html

basins to increase spill aversion abilities. Critical stations are also equipped with emergency generators to supply power.

6.4.1.2 Private Laterals and On-Site Wastewater Systems

Per WPO Section 67.807(g), private sewer laterals at residences in the County Unincorporated area must be cleaned, maintained, and, when necessary, replaced to prevent seepage and spills. Additionally, on-site wastewater systems must be pumped, maintained, and, when necessary, modified or replaced to prevent spills.

6.4.2 Spill Response, Containment, and Cleanup

Depending on the particular situation, a number of parties may become involved in spill response activities. County spill response personnel are trained to prevent the entry of sewage and other contaminants into the MS4, surface waters, groundwater, and soil.

6.4.2.1 Spills from Private Laterals and On-site Wastewater Systems

Per WPO Section 67.807(g), the following apply to private sewer laterals and on-site wastewater systems at residences in the County Unincorporated area:

1. Spills from private sewer laterals and on-site wastewater systems must be contained and cleaned-up in a manner that minimizes any release of pollutants to the stormwater conveyance system or receiving waters;
2. Any release from a private sewer lateral that enters the stormwater conveyance system or receiving waters must be immediately reported to the County; and
3. Failed on-site wastewater systems must be repaired or replaced, after issuance of all required permits and approvals.

6.4.2.2 Sanitary Sewer Overflows

The Wastewater Management Section is responsible for responding to overflows from the sewer lines, pump stations, force mains, and treatment plants it operates and maintains. Calls from the public during normal hours are responded to by the closest available crew. After-hour calls are routed via the County's Communication Center to on-call personnel. If the procedure requires controlled response; the person dispatched will call the customer and respond to the address given dependent on the nature of problem. Other personnel and equipment will follow, dependent on the situation.

6.4.2.3 Sewage / Septic Complaints

Upon receipt of a sewage complaint (i.e., effluent on the ground, or EOG) a specialist investigates the site within 24 hours of the complaint, usually on the same day the complaint was received. If there is a septic system failure, the occupant and/or owner of the property is issued a notice to "At Once" contain the spill, sanitize the area with "quick lime" or liquid chlorine, and have a permitted sewage pumping service pump the septic tank. The service must keep it pumped until the system is repaired under permit and inspected by the Department of Environmental Health (DEH) or the system is connected to an approved sewage disposal system. The property owner is given three weeks to obtain the proper repair permits and repair the system. Staff conducts

follow-up inspections to the initial complaint response to verify compliance until the system is repaired. Failure to comply can result in condemnation of the residence or closure of the business in order to stop the flow of sewage.

Most septic failures do not result in discharges leaving the property and are usually repaired quickly, often before the DEH is notified of the failure.

6.4.2.4 Non-Sewage Spills

DEH staff also responds to a variety of other types of spills. For those involving hazardous materials, the Hazardous Incident Response Team (HIRT) will respond to ensure proper mitigation and referrals to other agencies are conducted as needed. During normal work hours, Water Quality Program staff will normally respond to non-sewage spills which may enter the MS4.

6.5 Dry Weather MS4 Outfall Discharge Monitoring

The 2013 MS4 Permit requires the development and implementation of a Dry Weather MS4 Outfall Discharge Monitoring Program (Permit section D.2.b.). This includes the following:

- Dry Weather MS4 Outfall Discharge Field Screening Monitoring Program (Permit section D.2.b.(1))
- Non-Stormwater Persistent Flow MS4 Outfall Discharge Monitoring Program (Permit section D.2.b.(2))

The goal of the Dry Weather MS4 Outfall Discharge Monitoring Program is to identify non-stormwater and illicit discharges within the County's jurisdiction and prioritize the dry weather MS4 discharges that will be investigated and eliminated. The Dry Weather MS4 Outfall Discharge Monitoring Program for each Watershed Management Area (WMA) is described in detail within the MS4 Outfall Monitoring Plans included as appendices to the Water Quality Improvement Plans (WQIPs) or the County of San Diego Annual Dry Weather Monitoring Plan.[9]

An overview of the Dry Weather MS4 Outfall Discharge Monitoring Program is provided below.

6.5.1 Dry Weather MS4 Outfall Discharge Field Screening Monitoring

The County will conduct a Dry Weather MS4 Outfall Discharge Field Screening Monitoring Program as described in the 2013 MS4 Permit (Permit section D.2.b.(1)). The program consists of conducting field screening to determine which non-stormwater MS4 outfall discharges are transient flows and which are persistent flows. This information will be used to prioritize the non-stormwater MS4 discharges that will be investigated and eliminated in accordance with the illicit discharge detection and elimination (IDDE) procedures described herein.

6.5.1.1 Monitoring Locations and Frequency

The number of major outfalls required to be screened within a WMA, as well as the frequency of screening, is dependent upon the number of known major outfalls present in the County's

[9] Available upon request

inventory, per 2013 MS4 Permit section D.2.a.(2)(a). As the County of San Diego has less than 125 major MS4 outfalls per WMA, at least 80% will be visually inspected twice per year during dry weather conditions (per 2013 MS4 Permit section D.2.a.(2)(a)(i)).

6.5.1.2 Field Screening Visual Observations

During a field screening visual observation inspection, each MS4 outfall selected for screening will be inspected following at least 72 hours of dry weather after any storm event producing greater than 0.10 inch of rainfall within a 24-hour period. The visual observations that will be recorded during each field screening visual observation inspection, per 2013 MS4 Permit section D.2.a.(2), are summarized in Table 6.1.

Table 6.1: Field Screening Visual Observations for MS4 Outfall Discharge Monitoring Stations

Field Observations

• Station identification and location
• Presence of flow, or pooled or ponded water
• If flow is present:
  o Flow estimation (i.e., width of water surface, approximate depth of water, approximate flow velocity, flow rate)
  o Flow characteristics (i.e., presence of floatables, surface scum, sheens, odor, color)
  o Flow source(s) suspected or identified from non-stormwater source investigation
  o Flow source(s) eliminated during non-stormwater source identification
• If pooled or ponded water is present:
  o Characteristics of pooled or ponded water (i.e., presence of floatables, surface scum, sheens, odor, color)
  o Known or suspected source(s) of pooled or ponded water
• Station description (i.e., deposits or stains, vegetation condition, structural condition, observable biology)
• Presence and assessment of trash in and around station
• Evidence or signs of illicit connections or illegal dumping

This information will be recorded in the field using the *MS4 Outfall Visual Observation Field Datasheet* (see *Investigation Procedures*).

The County will use the results of field observations, along with other available information (e.g., prior reports, inspections and monitoring results) to determine whether the observed flowing, pooled, or ponded waters should be deemed transient or persistent flows requiring investigation and elimination (see Section 6.6).

6.5.2 Non-Stormwater Persistent Flow MS4 Outfall Discharge Monitoring

The County will conduct a Non-Stormwater Persistent Flow MS4 Outfall Discharge Monitoring Program as described in the 2013 MS4 Permit (Permit section D.2.b.(2)). The program consists of conducting monitoring to determine which persistent non-stormwater discharges contain concentrations of pollutants below Numeric Action Limits (NALs), and which persistent non-

stormwater discharges may impact receiving water quality during dry weather. This information will be used to prioritize the non-stormwater MS4 discharges that will be investigated and eliminated in accordance with the IDDE procedures described herein.

6.5.2.1 Outfall Prioritization

Based upon the dry weather MS4 outfall discharge field screening monitoring results and historical data available, the County has identified major MS4 outfalls with persistent flows within its jurisdiction. These outfalls were then prioritized for each WMA considering the highest priority water quality conditions identified in the WQIPs, available historical data, and any additional criteria, as appropriate.

6.5.2.2 Monitoring Locations and Frequency

In each WMA, the County has identified and will monitor at least five highest priority major MS4 outfalls with non-stormwater persistent flows within its jurisdiction. In WMAs where there are less than five major MS4 outfalls with persistent flows within the County jurisdiction, all outfalls will be monitored. The locations of these outfalls can be found in the County of San Diego Annual Dry Weather Monitoring Plan[10] and are included in the WQIPs.

All highest priority major MS4 outfalls will be monitored at least semi-annually. The County may substitute a next-highest priority major outfall for a selected major outfall in the event that one of the following criteria becomes applicable, until no qualifying major MS4 outfalls remain within the County's jurisdiction in a particular WMA:

- The non-stormwater discharges have been effectively eliminated (i.e., no flowing, pooled, or ponded water) for three consecutive non-stormwater monitoring events.
- The source(s) of the persistent flows has been identified as a category of non-stormwater discharges that does not require an NPDES permit and does not have to be addressed as an illicit discharge because it was not identified as a source of pollutants, and the persistent flow can be re-prioritized to a lower priority.
- The constituents in the persistent flow non-stormwater discharge do not exceed NALs, and the persistent flow can be re-prioritized to a lower priority.
- The source(s) of the persistent flows has been identified as a non-stormwater discharge authorized by a separate NPDES permit.

In the event of a substitution, the County will document the reprioritization of its highest priority persistent flow MS4 outfalls in the appropriate WQIP Annual Report or the County of San Diego Annual Dry Weather Monitoring Plan.[11]

[10] Available upon request
[11] Available upon request

6.5.2.3 Field Observations

During the monitoring events, field observations will be recorded at each of the selected major outfall persistent flow monitoring sites. This information will be recorded in the field using the *Dry Weather Monitoring Field Datasheet* (see Attachment C of *Investigation Procedures*).

6.5.2.4 Field Monitoring

During the monitoring events, in-situ measurements for field parameters will be collected at each of the selected major outfall persistent flow monitoring sites. These include:

- pH
- Temperature
- Specific conductivity
- Dissolved oxygen
- Turbidity

This information will be recorded in the field using the *Dry Weather Monitoring Field Datasheet*. Analytical methods and detection limits for field monitoring parameters are provided within the WQIPs.

6.5.2.5 Analytical Monitoring

6.5.2.5.1 Sample Collection

During the monitoring events, if sufficient flow is present, samples will be collected for analysis by an analytical laboratory. Grab samples will be collected according to the procedures described in the WQIPs and will follow Surface Water Ambient Monitoring Program (SWAMP) protocols. Quality assurance and quality control procedures are outlined in the WQIPs.

6.5.2.5.2 Laboratory Analysis

The required analyses are based upon the following five groupings of constituents:

1. Constituents contributing to the highest priority water quality conditions identified in each WQIP
2. Constituents listed as a cause for impairment of receiving waters in the WMA as listed on the 303(d) list
3. Constituents for implementation plans or load reduction plans developed for the WMA where the County is a listed responsible party to a Total Maximum Daily Load (TMDL)
4. Applicable NAL constituents listed in section C.1 of the 2013 MS4 Permit
5. Constituents listed in Table D-7 of the 2013 MS4 Permit

The analyses required for selected MS4 outfall persistent flow monitoring, including suggested analytical methods and required reporting limits, are detailed in the WQIPs. Laboratory analysis of sample chemistry and microbiology will be performed by a laboratory certified for the

appropriate fields of testing by the California Environmental Laboratory Accreditation Program (ELAP). Quality assurance and quality control procedures for laboratory analysis are outlined in the WQIPs.

If the County identifies and eliminates the source of the persistent flow non-stormwater discharge, analysis of the sample is not required.

6.6 Investigation and Elimination of Illicit Discharges and Connections

The primary objective of this program element is to detect and eliminate illicit connections and illegal discharges (IC/IDs) to the MS4. The IC/ID investigation and elimination process includes: Illicit Discharge Incident Report, Validation, Prioritization and Response, Investigation, Tracking to Endpoint, Enforcement, Recordkeeping, and Reporting (Annual Report).

In response to visual observations and/or water quality monitoring data collected during dry weather field screening, the County is required to immediately follow up on obvious illicit discharges and connections, including those that are determined to be a threat to human health or the environment. If the incident is not an obvious illicit discharge or connection or a threat to human health or the environment, the County is required to prioritize outfalls for future investigation and elimination of illicit discharges and connections (2013 MS4 Permit section E.2.d.). As a part of the field investigations, the County is also required to identify the potential source(s) of the illicit discharges and connections and to report these findings, as well as any corrective measures taken, to the Regional Board. The 2013 MS4 Permit identifies four potential endpoints[12] for the field investigations:

A. Natural in origin and conveyance;
B. Illicit discharge/connection;
C. Other non-stormwater discharges;
D. Unidentified.

The relationship between the various steps of the investigation and elimination process is illustrated in the flow chart presented in Figure 6.1. More detail on each of these steps is provided within the *Investigation Procedures*.

[12] As specified in Permit section E.2.d.(3)b-e of Order R9-2013-0001.

Figure 6.1: Overview of Investigation Procedures

6.6.1 Illicit Discharge Incident Report

Reports of illicit discharges and/or connections can come from a variety of sources, including field staff; the general public; County personnel; Regional Board staff, and/or emergency personnel. The primary response triggers for illicit discharges and connections are:

- Field Screening Visual Observations: Field staff may identify an illicit discharge or connection via visual inspections during Transitional Dry Weather MS4 Outfall Discharge Field Screening Monitoring (2013 MS4 Permit section D.2.a.(2)) or Dry Weather MS4 Outfall Discharge Field Screening Monitoring (2013 MS4 Permit section D .2.b.(1)).[13]
- Non-Stormwater Persistent Flow Monitoring: Field staff may identify an illicit discharge or connection during Non-Stormwater Persistent Flow MS4 Outfall Discharge Monitoring (2013 MS4 Permit section D.2.b.(2)).
- Reports/Notifications from Other Sources: An illicit discharge or illicit connection to the MS4 may be reported via the hotline or other complaint tools. In these cases, hotline procedures are followed, which may include a mandatory site visit.

Once a report or notification is received, County staff must determine if it is a valid report.

6.6.2 Validation

If a report is received from sources other than field staff conducting field screening or monitoring, staff must assess the validity of each report or notification received. Each report or notification should be validated by obtaining key information pertaining to the incident via a phone call, if possible, and/or by visiting the site in the field to determine next steps (see Figure 6.2). The validity of a report or notification is often based on the inspector's best professional judgment.

- Invalid Report/Notification – If the report or notification is determined to be invalid, no additional investigation is required. However, staff should note these in the database so such instances can be reported in the Annual Reports.
- Valid Report/Notification – If the report or notification of an illicit discharge or connection has been validated, staff is required to prioritize and respond in a timely fashion to further assess the report and determine follow-up actions.

Please see the *Investigation Procedures* for additional information, including a definition of what is considered to be a "threat to human health/environment."

[13] Permit section D.2.a.(2) specifies that Transitional Dry Weather MS4 Outfall Discharge Field Screening Monitoring be conducted until the monitoring requirements and schedules of Permit section D.2.b are incorporated into a WQIP accepted by the Regional Board. The pre- and post- WQIP Field Screening Monitoring efforts include only visual observations.

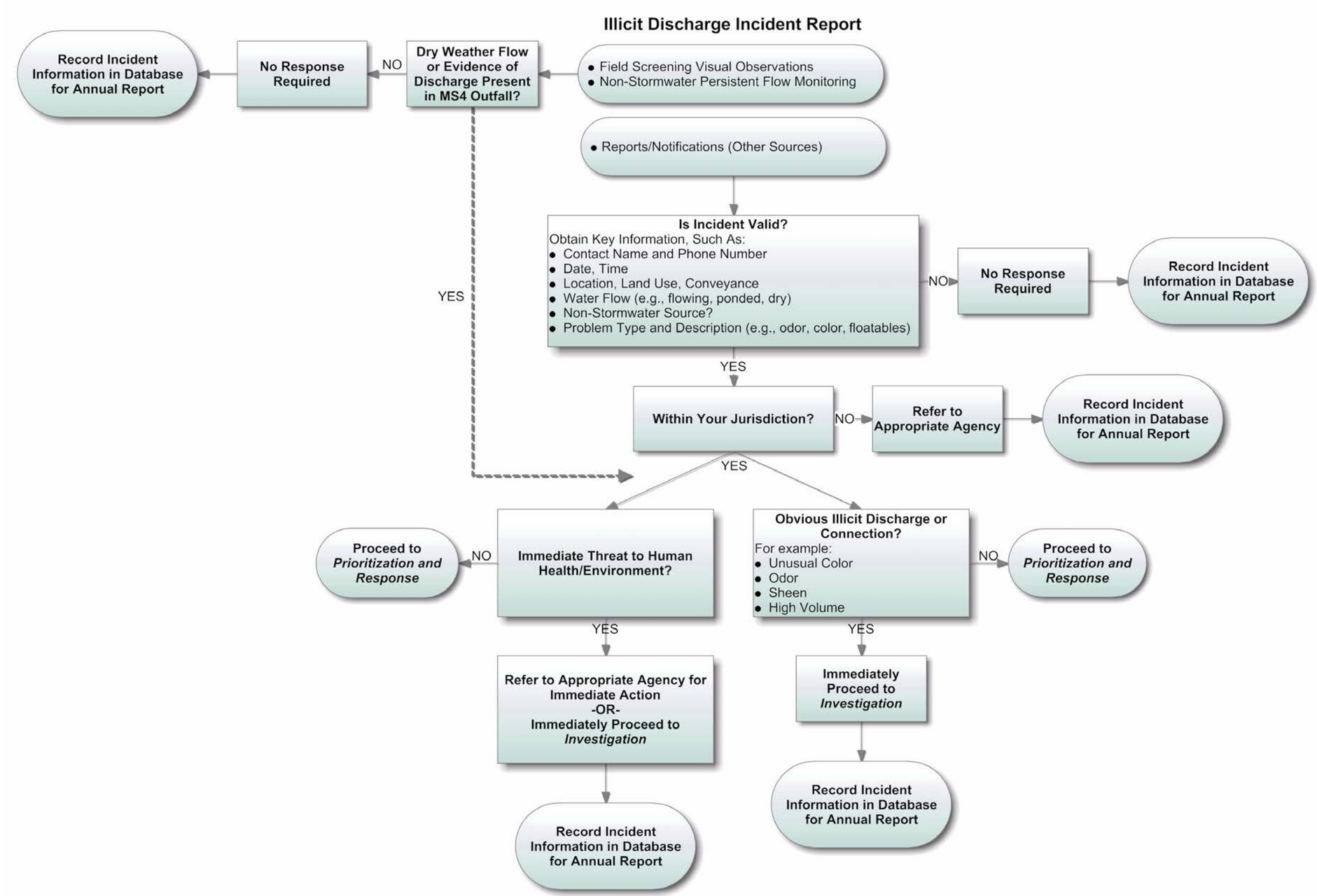


Figure 6.2: Validation and Initial Responses to Illicit Discharge Incident Reports

6.6.3 Prioritization and Response

Validated illicit discharges or connections must be prioritized to determine the appropriate response and whether field source investigations are needed. The criteria for the prioritizations include the following:

1. Obvious illicit discharges (e.g., unusual color or odor) will be immediately investigated according to the *Investigation Procedures*.
2. If sampling is conducted at an MS4 outfall in response to a complaint investigation or another monitoring program, then the sampling results should be used to inform the prioritization process and determine the appropriate response. The prioritization considerations include:
    a. Pollutant level identified as an immediate threat to human health or the environment
    b. Pollutant identified as causing or contributing to the highest water quality priorities identified in the WQIPs
        i. Historical results reviewed for consistency
    c. Pollutant identified as causing or contributing to an exceedance of an NAL[14]
    d. Pollutant identified as causing or contributing, or threatening to cause or contribute to impairments in water bodies on the 303(d) List and/or environmentally sensitive areas (ESAs)[15]
    e. Pollutant identified from sources or land uses known to exist within the area, drainage basin, or watershed that discharges to the portion of the MS4

Additional information for the prioritization process is provided in the *Investigation Procedures*.

6.6.4 Investigation

If it is determined that an incident needs to be investigated immediately or has been prioritized, field staff must investigate and try to identify the source(s) or potential source(s) of illicit discharges and connections and/or discharges of non-stormwater flows. Dry weather flows will generally be followed from the location where they are first observed in an upstream direction along the conveyance system.

Prior to conducting an investigation, field staff should compile and review available resources including:

- Past dry weather monitoring reports and dry weather MS4 outfall visual field screening and monitoring data;

[14] See the NAL Reference Tables (Table C-1 through Table C-4) the *Investigation Procedures*
[15] See *Investigation Procedures*

- GIS land use maps;
- MS4 maps;
- Aerial photographs; and
- Property ownership information.

The following steps are to be taken during a field investigation:

1. Always take GPS coordinates at each new site and fill in a Field Datasheet (see Attachment C of the *Investigation Procedures*).
2. Proceed upstream in conveyance as needed to trace possible source(s).
    a. If the flow is coming from another jurisdiction, notify a supervisor, so a formal notification in writing can be made to a representative of the relevant jurisdiction, informing them of the situation. County staff will not track flows into other jurisdictions.
    b. If field staff are initially unable to locate the source(s) of the flow (e.g., the flow is traced to a seep, flow discharges from a pipe, the channel terminates, etc.) consider the following possibilities: first, the flow may originate from a road gutter. Check catch basins and gutters between sites for evidence of flows such as runoff from steam-cleaning operations, car washing, irrigation runoff, etc. There may also be a new or illicit connection to the system, possibly between manholes. Look for areas in the road that have been dug up and re-paved. Also consider checking with the appropriate department for any recent work that may have been done in the area. Finally, look for evidence of recent or past dumping such as wet and/or stained pavement or gutters.
    c. If necessary, contact the appropriate department/division for assistance on tracking below ground storm drain systems. When tracking flows in below ground systems it may be necessary to follow flows from the outfall or manhole to the next manhole with a junction. Manholes will not always need to be checked if there are no junctions between them. Field staff will record information on the surrounding areas and look for water flowing in gutters and streets. Areas where illegal dumping may typically occur include parking lots and garages behind buildings and warehouses. DO NOT ENTER MANHOLES unless confined space certified and following established safety protocols.
    d. If flow is observed coming from only one location within the storm drain network, continue tracking upstream from that outlet. If flow is observed coming from more than one location, track them upstream one at a time, using visual observations, odors, and/or field screening sampling to determine the order of investigation. Use test strips or other field test kits or meters for quick preliminary results for multiple flows. It is generally easiest to track the largest

flows first, but if they are about the same size, start with the one that is easiest, shortest, or with the least number of junctions, or track those originating from areas with the greatest potential for illicit discharges.

3. Collect samples at upstream confluences as needed for chemical analyses.
    a. If tracking a nitrate exceedance, nitrate test strips can be used as a screening tool in determining which flows to follow.
    b. If tracking a pH exceedance and pH is <5.0 or >10.5, consider using pH test strips instead of a pH meter.
4. If possible, trace dry weather flow from conveyance to street / storm drains.
    a. If possible, collect samples as needed for chemical analysis. Such analyses should be selected based on the field staff's best professional judgment regarding what sources may be present.
5. If dry weather flow is traced to a facility, collect sample at curb or public right of way and submit for chemical analysis. Document with photos. Notify a supervisor for further instructions.

6.6.5 Tracking to Endpoint

The 2013 MS4 Permit requires that each field investigation identify one of the following endpoints as the potential source of the discharge:

A. Natural in origin and conveyance;

B. Illicit discharge/connection;

C. Other non-stormwater discharges;

D. Unidentified.

If a prohibited discharge is identified, including irrigation runoff, proceed with the enforcement protocol described in the Enforcement Response Plan (Section 9) to ensure that all minimum BMPs (Section 5 – Existing Development) are implemented. The discharge at each outfall should be evaluated by analyzing all the information and data available prior to determining the source of the discharge. Detailed tables based on the four potential endpoints are provided within the *Investigation Procedures*. The tables include guidance regarding the potential characteristics and constituents of concern typically associated with each endpoint. Tables are included for each of the four endpoints above; an additional table for general guidance is also provided. These tables allow field staff to focus on specific endpoints as they evaluate multiple constituents/ characteristics of the discharge in order to determine the source of the discharge.

6.6.6 Recordkeeping

As field staff conducts investigations, they must maintain records and a database of relevant information for each incident. This information is recorded in the field using Field Datasheets.

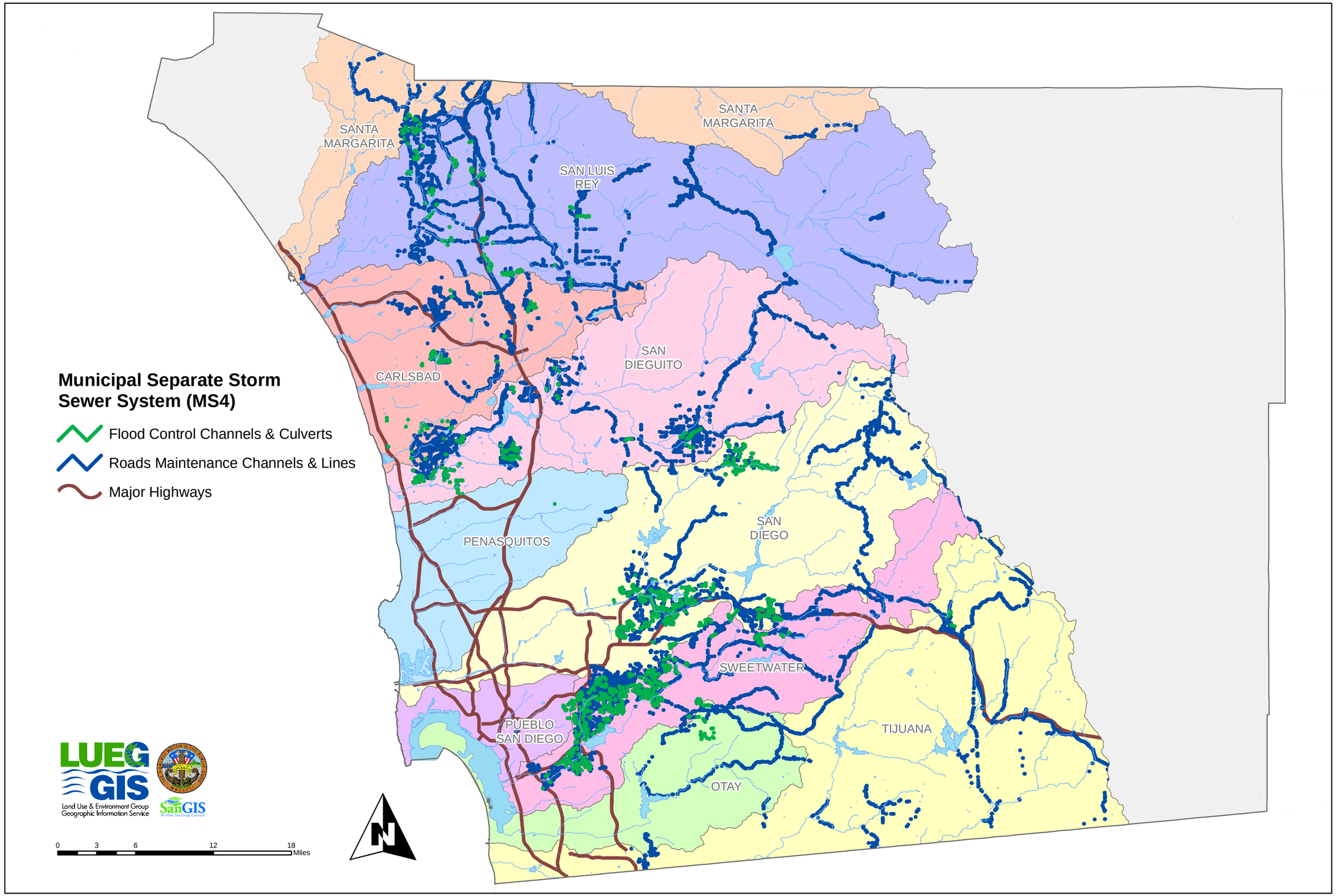
The Field Datasheets are used by field staff to record information gathered at the outfall as part of the dry weather monitoring program.

This form allows staff to evaluate all of the field and laboratory data in order to identify and support the field investigation endpoint determination. This information is entered into a database that is used for annual reporting.

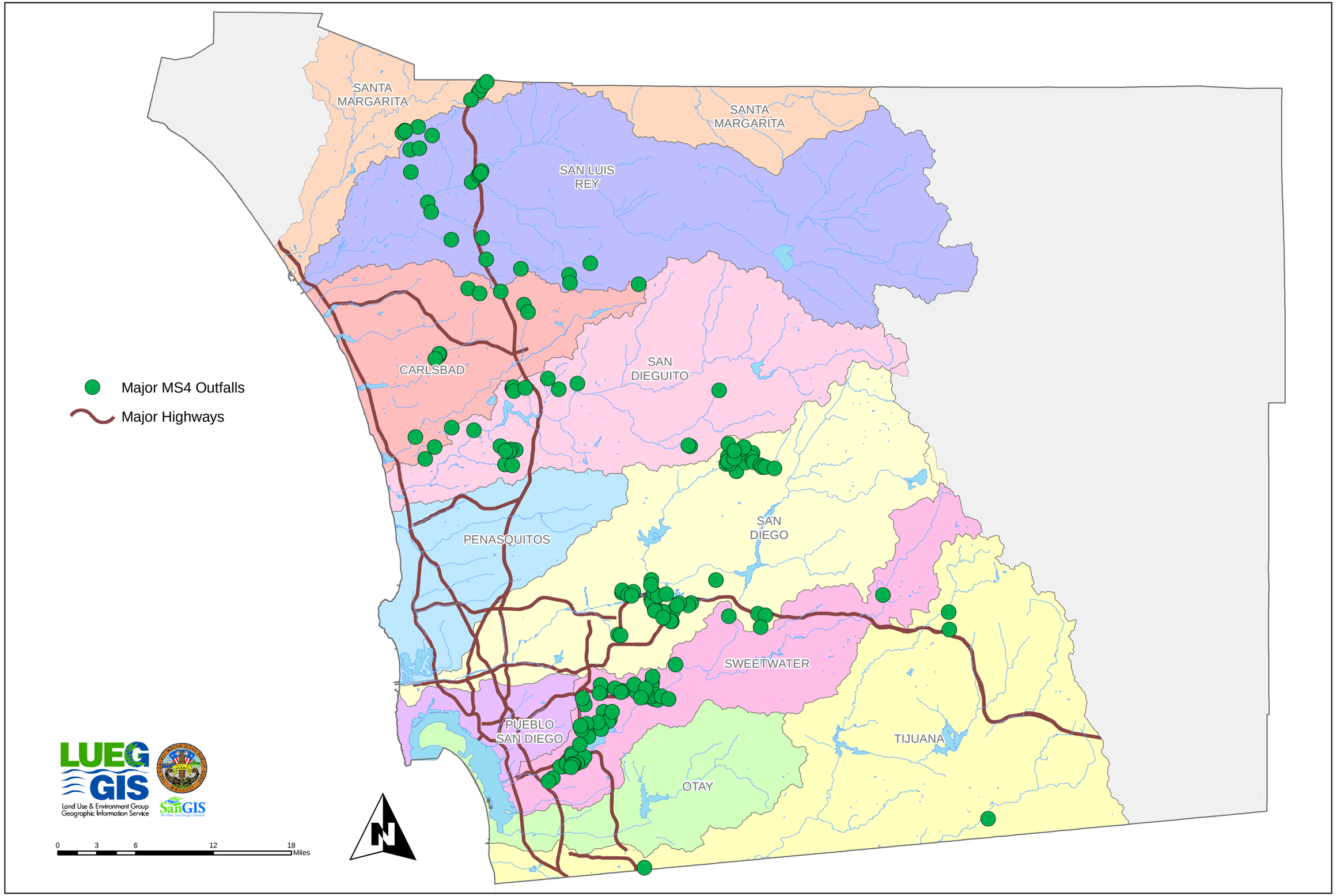
6.6.7 Reporting (Annual Report)

With each Annual Report, the County must submit a summary of the non-stormwater discharges and illicit discharges and connections investigated and eliminated within its jurisdiction. Field staff support this effort via thorough recordkeeping. Information is entered into a database and is compiled and reported in the Annual Reports.

Attachment 6.1 – MS4 Drainage Area Map



Path: P:\20141218_JRMP_update\MS4_facil.mxd Date: 2/11/2015



Path: P:\20141218_JRMP_update\MS4_outfall.mxd Date: 2/11/2015

7.0 PUBLIC EDUCATION COMPONENT 1

7.1 Introduction 1

7.2 Staff Training Element 1
7.2.1 Training Objectives 1
7.2.2 General Requirements 2
7.2.3 Training Content 5
7.2.4 Training Methods 9

7.3 Educational Outreach Element 10
7.3.1 Target Audiences 10
7.3.2 Outreach and Education 14

Table 7.1 – Minimum Training Frequencies 4
Table 7.2 – Overview of Required Training Elements by Responsibility Type 6
Table 7.3 – Preferred Training Methods by Target Audience 10
Table 7.4 – Public School Enrollment in the County Unincorporated Area (2000) 13

7.0 PUBLIC EDUCATION COMPONENT

7.1 INTRODUCTION

Education is an important aspect of every effective program and the basis for changes in behavior. Education for both municipal staff and the public will strive to inform the respective audience about how certain activities can have a negative impact on water quality, how they can accomplish activities while protecting water quality, and their specific roles and responsibilities. Education activities are implemented at the regional, watershed, jurisdictional levels, as well as to specific target audiences. At a minimum, education efforts will be targeted to reach the following communities: municipal facilities and personnel; construction site owners and developers; industrial and commercial business owners and operators; the general public, school children, and residential communities.

7.2 STAFF TRAINING ELEMENT

Stormwater training is an important aspect of watershed protection for municipal staff with defined responsibilities in developing, administering, and implementing the various elements of the County's Jurisdictional Runoff Management Program (JRMP). Training is determined and prioritized by the County to address the watershed highest priority water quality conditions identified in the jurisdiction or the Water Quality Improvement Plan (WQIP). The responsibility for reviewing, updating, and conducting staff training lies with each of the respective County departments and groups that are identified in this section and throughout the JRMP. Departments are encouraged to pursue appropriate alternatives to existing basic training programs to enhance employee's skill sets or otherwise improve their ability to carry out their individual job responsibilities. In addition to sharing those general responsibilities, the Department of Public Works (DPW) Watershed Protection Program (WPP) is responsible for developing general guidance and standards as necessary to ensure successful implementation of the training program element.

7.2.1 Training Objectives

For each training element, training will be guided by two general objectives:

1. **Knowledge and Awareness** – Training will provide an understanding of the impacts of urban runoff on receiving waters, the general concepts underlying urban runoff management, and individual staff responsibilities for managing those impacts. All training will reinforce the fact that storm drains discharge directly to waterways without treatment.
2. **Behavior** – Training is one of many components that will facilitate the proper implementation of Best Management Practices (BMPs) by staff as well as the general public. Increasing knowledge, awareness, and changing attitudes provide a foundation for changing behavior.

7.2.2 General Requirements

Many departments and department divisions share responsibility for implementing the County's JRMP. For training purposes, staff is divided into three main groups, each reflecting the primary responsibilities of the individuals comprising it:

- Program Administration;
- Program Implementation; and
- Pollution Awareness and Reporting.

County employees that are not included within any of the three groups do not receive stormwater training; instead, they are addressed as a specific audience population in the County's Outreach Program (Section 7.3).

7.2.2.1 Program Administration (Administrators)

Administrators include management with planning, development, administration, reporting, or assessment responsibilities related to any program or activity described in the County's JRMP. Examples of staff with program administration responsibilities include, but are not limited to, the following:

- Land Use & Environment Group (LUEG) upper management;
- General Services upper management;
- Staff providing legal advice or counsel on stormwater issues; and
- Staff responsible for developing or providing training.

Program Administration does not include staff with any of the specific responsibilities identified in Section 7.2.2.2 (Program Implementation) because this staff must meet a stricter training standard. If staff has both Program Administration and Pollution Awareness and Reporting responsibilities (Section 7.2.2.3), the training type that most closely fits their specific job responsibilities applies.

7.2.2.2 Program Implementation (Implementers)

This category includes all County employees with direct stormwater implementation responsibilities. Implementers include employees who work outdoors and may implement BMPs, those that perform stormwater self-inspections and maintenance, and those employees that create or review Stormwater Management Plans (SWMPs), stormwater pollution prevention plans (SWPPPs), Facility Pollution Prevention Plans (F3Ps), or inspect/enforce for stormwater regulations. Examples of staff with program implementation responsibilities include, but are not limited to, the following:

- Land Development planners and engineers;
- Construction inspectors;

- Code enforcement;
- Facility maintenance personnel;
- Site supervisors and facility staff;
- Road maintenance crews;
- Flood control maintenance crews;
- Fleet technicians;
- Park rangers;
- Pesticide/Fertilizer applicators; and
- Vendors, Contractors, and Lessees.

7.2.2.3 Pollution Awareness and Reporting (Awareness)

Many County employees spend a significant amount of time in the field and therefore have the opportunity to observe and refer potential stormwater violations. This group differs from staff with implementation responsibilities in that their sole stormwater responsibility is to recognize and report potential violations. Employees, who are likely to observe stormwater violations, must receive training focused specifically on recognizing and reporting potential stormwater violations. This training type only applies to employees who work outdoors and are not already included in one of the other categories above.

Examples of County employees with Pollution Awareness and Reporting responsibilities include, but are not limited to:

- Hazardous materials inspectors;
- Emergency responders;
- Restaurant inspectors;
- Vector control technicians;
- Air quality inspectors;
- Flood control field staff; and
- Watercourse staff.

7.2.2.4 Minimum Training Frequencies

Table 7.1 summarizes the minimum training frequencies. Implementers training and Awareness training is required at least annually. Employees in the Administrators category must receive training at least twice per Permit cycle. Administrators training will generally occur once within the first two years of the Permit cycle, and once again within the last two years of the Permit cycle. Based on job title, all employees whose job duties include stormwater awareness, administration, or implementation are identified in the County's Learning Management System

(LMS), a portal for providing and tracking employee training . Annually, these audiences are "refreshed" to include only those current staff with these stormwater responsibilities. All new staff being hired, promoted, or transferred into a position which falls within one of the training categories will be trained to those specifications within the same fiscal year. Supplemental training will be provided as needed for any significant programmatic changes that occur such as Permit or Ordinance revisions.

The training frequencies and requirements described in this section are considered minimum training requirements. Supplemental training is not generally required, but it may be warranted should significant programmatic changes occur (e.g., permit, policy, or ordinance revisions), or in response to the results of program audits or evaluations which may necessitate corrective actions and additional training.

Table 7.1 – Minimum Training Frequencies

Frequency	Annual	Twice per Permit Cycle	Upon Hire or Change in Job Class
Administrators		○	○
Implementers	○		○
Awareness and Reporting	○		○

7.2.2.5 General Training Responsibilities

The DPW WPP has the following training responsibilities:

- Developing, annually reviewing, and updating standardized training content (Table 7.2) for enhancement and use by implementing departments and groups;
- Providing general assistance in developing specific training content;
- Pre-approving any training substitutions to the WPP provided training; and
- Requesting training data and information from implementing departments and groups for inclusion in annual reports to the Regional Water Quality Control Board (Regional Board), and for program assessment purposes.

Departments and groups are responsible for the following:

- Assigning staff to a specific training category;
- Arranging training in accordance with Table 7.1;
- Annually reviewing and updating training content with specific information appropriate to the specific roles and responsibilities of the audience;
- Ensuring that staff attends scheduled trainings, and arranging alternate (make-up) trainings as needed;
- Maintaining training records for a minimum of three years; and
- Reporting training data and information annually, as requested by the DPW WPP.

Departments or Groups who contract work (consultants, contractors, service providers, etc.) or maintain County leased property where outdoor activities occur are also responsible to determine how the requirements of this section apply to the contractor(s)/lessees conducting activities and provide the appropriate training. In general, any contractor/lessee providing broad oversight of potential pollutant-generating activities or BMP implementation should be provided or required to obtain the level of stormwater training that would be required for County staff performing the same functions. However, those contractors/lessees who are only conducting specific (focused to one activity) tasks, such as landscaping or street sweeping, may only be required to receive training that is focused on those activities that the contractor will conduct.

7.2.3 Training Content

Core watershed concepts and stormwater information should be included within the stormwater training (background, pollutant sources, BMPs, responsibilities, updates). This core information provides the structure for the stormwater training content. Table 7.2 summarizes the applicability of specific content to each of the three training types. The specific content options are also described below. Table 7.2 lays out a general road map; however, the actual content of any training should be appropriate to the specific roles and responsibilities of the audience. Respective departments/groups will identify and incorporate additional training content beyond that shown in Table 7.2 as they determine necessary to ensure the proper implementation of stormwater responsibilities. Additional content may also be required in response to significant programmatic changes or the results of program audits or evaluations.

Training content is dynamic, and will reflect the experience and knowledge gained by respective Department/Group staff over the Permit cycle. The specific content and relative emphasis of particular elements is therefore expected to evolve over time. For instance, first year training of inspectors might include a detailed review of procedures and forms, but less emphasis might be provided in subsequent years as staff gains experience in their use.

Table 7.2 – Overview of Required Training Elements by Responsibility Type

Stormwater Training Elements		Principal Responsibilities		
		Program Implementation	Program Administration	Pollution Awareness & Reporting
I.	**Background**	Required		
A.	General Concepts		x	x
B.	Regulatory Framework		x	
C.	Program Updates		x	
II.	**Pollutant Sources**			
A.	Pollutants and Impacts		x	x
B.	Pollutant-Generating Activities (PGAs)			
III.	**Best Management Practices**			
A.	Discharge Prohibitions		x	x
B.	BMP Requirements (Planning / Implementation / Maintenance)			
C.	Pollution Prevention (P2) Practices			
D.	Additional Controls for Sources Tributary to Envir. Sensitive Areas			
IV.	**Staff Responsibilities**			
A.	Pollution Reporting		x	x
B.	Documentation & Reporting		x	

7.2.3.1 Background Information

General Concepts

A review of general concepts is necessary to provide an informational basis for other, more specific topics to be covered throughout the training. Examples of general concepts include, but are not limited to the following:

- Watershed concepts;
- Definition and description of stormwater vs. urban runoff;
- Explanation of stormwater conveyance systems (MS4), how they work, and how they are not connected to the sanitary sewer system;
- Explanation of short- and long-term water quality impacts on waterways associated with urbanization; and
- Identification of impaired water bodies and a description of pollutants of concern for the San Diego region.

Regulatory Framework

As applicable to their job responsibilities, employees may be provided training on the following topics:

- Federal, state, and local water quality laws and regulations;

- General requirements of National Pollutant Discharge Elimination System (NPDES) Order No. R9-2013-0001;
- The County's Watershed Protection Ordinance (WPO) and other relevant authorities; and
- Penalties and liability associated with non-compliance.

Program Updates

Training programs will be updated as internal programmatic changes occur, as new programs are implemented (e.g., Low Impact Development (LID) and Hydromodification), or as changes to the Permit or Ordinance occur. Additionally, any issues or concerns that may be addressed through the Copermittee workgroups, or annual reporting feedback, etc., will also be incorporated into training program revisions. Training programs will be evaluated and updated annually, as needed.

7.2.3.2 Pollutant Sources

As applicable to the audience's job responsibilities, training may include any of the following:

Pollutants and Impacts

- Identification of common pollutants and their associated impacts on water quality, human health, and natural habitats;
- Identification of other pollutants prioritized within the WQIP; and
- Identification of impaired water bodies and a description of pollutants of concern for the San Diego region.

Pollutant-Generating Activities (PGAs)

- Identification of land development and construction activities that generate pollutants;
- Identification of municipal operations (fixed facility and field activities) that generate pollutants;
- Identification of both job-related and at-home (residential) activities that typically generate pollutants; and
- Identification of PGAs related to special events, emergency response, and pesticide, herbicide and fertilizer use.

7.2.3.3 Best Management Practices

As applicable to the audience's job responsibilities, training may include any of the following:

Discharge Prohibitions

- The County's obligation to reduce pollutant containing discharges to the MS4;
- The County's obligation to prevent urban runoff discharges from causing a violation of water quality standards;
- Examples of water discharge prohibitions and exemptions; and

- Illicit connection identification.

BMP Requirements

Employees should be trained on the planning, implementation, and maintenance of BMPs available to them.

- Source Control BMPs, Erosion and Sediment Control BMPs, Treatment Control BMPs,
- Structural vs. non-structural BMPs;
- BMP applicability, selection, and implementation based on onsite conditions and activities;
- BMP vector concerns;
- BMP maintenance requirements;
- Process for verification and tracking of Treatment Control (Structural) BMPs; and
- Procedures to inspect and evaluate BMP effectiveness;

Pollution Prevention (P2) Practices

- The definition and purpose of pollution prevention (as related to stormwater or urban runoff) and source control;
- Pollution prevention BMPs on the job and at home;
- Identification of minimum pollution prevention (P2) BMPs that should be implemented based upon each activity type or area;
- Management and disposal of used oil and toxic material; and
- Consideration of Integrated Pest Management (IPM) techniques.

Additional Controls for Sources Tributary to Environmentally Sensitive Areas (ESA)

- Identification of impaired water bodies, TMDLs, ESAs, and setting priorities for inspection, review, or approval of facilities/projects based on their threat to water quality.

7.2.3.4 Staff Responsibilities

County personnel should be made aware of their explicit stormwater responsibilities during stormwater training. Staff responsibilities vary greatly (some review stormwater plans, others install stormwater BMPs, while others sweep county roads, etc.). However, at a minimum, staff should know how to report stormwater violations and stormwater annual report data to the WPP.

Pollution Reporting

Employees should be trained on how to report potential stormwater violations. Training should include reference to the County's Stormwater Hotline (888-846-0800), the Project Clean Water website (www.projectcleanwater.org/html/complaints.html), and WPP's email address (watersheds@sdcounty.ca.gov) for easy reporting. The County's stormwater violation referral sheet should also be made accessible wherever possible.

Documentation and Reporting

Employees should be familiar with stormwater documentation which guides their program and identifies any stormwater obligations or responsibilities. Stormwater program documentation may include pollution prevention plans (SWMPs, SWPPPs, F3Ps), self-inspections, spill reports, stormwater training sign-in sheets, procedures, policies, contracts, leases, agreements, etc. Any applicable stormwater documents should be provided to employees and reviewed as part of their training program. Employees should also be provided an opportunity to identify ways in which departmental data collection and documentation can be improved. Any updates to stormwater data collection and documentation should be reported to the WPP at least annually for the JRMP annual reports.

The means of documenting the training program should occur either by training sign-in sheets or through the County's online LMS. Training documentation should be sent to the departmental training coordinator and, where applicable, kept within SWPPPs and F3Ps for onsite documentation of annual training.

Annual reporting of training will be done by each department's training coordinators. Information to be reported will include staff requiring training vs. staff receiving training. Reporting information will be utilized not only to prepare JRMP Annual Reports to the Regional Board, but will also provide a means for making program improvements.

7.2.4 Training Methods

Depending on the particular audience and content, training may be provided to municipal employees via a number of approaches. Examples include classroom training; presentations at staff meetings; online using the LMS, and external training opportunities (vendor training, workshops, etc.). Table 7.3 provides an overview of available training methods, and shows their applicability to each category of training. Program Implementation training should be provided in-person via a classroom or through the LMS. Stormwater certifications can be applied towards the annual implementer requirement, however only once per permit cycle (acceptable certifications listed in Table 7.3). Other training courses may also be used in place of the implementers training as long as all applicable elements are covered and pre-approval is acquired by WPP. Proof of attendance of outside course/certification will be required. Combinations of classroom and other methods are encouraged. Program Administration and Pollution Reporting training will most often be conducted via staff meetings or the LMS. All of the methods listed are potentially applicable to Supplemental Training; each Department or group providing the training is responsible to determine their applicability. Training methods not listed in Table 7.3 may also be used, but will require the approval of the WPP prior to their use.

Training content is generally conveyed using a variety of tools such as videos, brochures, manuals, fact sheets, posters, and other written materials. In many cases, a combination of tools is used.

Table 7.3 – Preferred Training Methods by Target Audience

Method	Core Training			Supplemental Training
	Program Implementation	Program Administration	Pollution Reporting	
Classroom training	○	○	○	○
On-line (LMS) or written training modules	○	○	○	○
Staff meetings	○	○	○	○
Stormwater Certifications* (CPESC, CPSWQ, CESSWI, SWQCB/CASQA-QSD/QSP). *One substitution per permit cycle.	○	○		○
External training courses* (CASQA, Regional Board, etc.) *Per WPP pre-approval	○	○		○
On-the-job, field training				○
Workshops and demonstrations				○
Material distribution (email updates pamphlets, brochures, promotional incentives, etc.)				○

7.3 EDUCATIONAL OUTREACH ELEMENT

Educational outreach will be developed and implemented based on the following four objectives:

1. Teaching basic awareness;
2. Adapting education to specific target audiences;
3. Clearly describing specific responsibilities under the WPO; and
4. Providing instruction to successfully implement (BMPs, with an emphasis on pollution prevention.

7.3.1 Target Audiences

At a minimum, educational outreach will be tailored to each of the following target communities:

- Municipal departments and personnel;
- New development and construction education;
- Industrial and commercial owners and operators and mobile businesses; and
- Residential, general public, and school children communities;
- Public and municipal departments and personnel involved with the use of pesticides, herbicides and fertilizers;
- Public and municipal departments and personnel involved with the management and disposal of used oil and toxic materials;

- Audiences identified in the WQIPs to address the highest priority water quality conditions;

7.3.1.1 Municipal Departments and Personnel

County staff that does not fit into the training categories described in Section 7.2.2 will receive general awareness outreach. Municipal educational efforts will inform staff at a basic level about the 2013 MS4 Permit, the differences between stormwater and urban runoff, non-point source pollution, common pollutants and their effects on water quality, and BMPs. Outreach efforts will typically target common behaviors associated with residential activities. Methods that will be utilized to reach this target population include email announcements, newsletters, paycheck inserts, and employee fairs.

7.3.1.2 New Development and Construction Education

The County offers applicants, contractors, developers, property owners, and other new development/construction related parties a number of educational resources. A particularly important interaction is the formal pre-intake assistance offered to project applicants. DPW and PDS inspection staff facilitates pre-construction meetings prior to the commencement of many projects. Efforts typically focus on compliance requirements, while explaining the importance of proper selection, placement and maintenance of BMPs. The County also encourages applicants to take advantage of the educational materials and tools it makes available through its many websites. Community planning groups and planning commissions are also included in educational outreach efforts, and are frequently included within municipal training opportunities.

7.3.1.3 Industrial and Commercial Business Owners and Operators

The County provides educational outreach to all commercial and industrial audiences, as identified in the 2013 MS4 Permit. Education is provided through a variety of means, primarily inspections, permitting, and workshops. Depending on the situation and venue, County staff may provide information on regulatory requirements, discharge prohibitions, BMPs, and pollution prevention.

Many County departments collaborate to provide stormwater outreach to this target population. The departments that assist with educational outreach include the following: Department of Public Works, Department of Agriculture, Weights and Measures, Planning Development Services, Department of Environmental Health, Department of General Services, and the Department of Parks and Recreation.

7.3.1.4 Residential, General Public, and School Children Education

Residential and General Public

The County's educational outreach program utilizes a multi-media approach for reaching residential, general public, and school children. Media types may include print materials (fact sheets, hand books), television, radio, websites, billboards, and promotional items. Educational efforts typically target the common pollutants of concern and their associated activities for the San Diego Region. Location or audience specific events provide an opportunity for tailoring both

the presentation materials and focusing in on the priority pollutants as described in the WQIP for any specific watershed. Given that bacteria is one of the most common pollutants within San Diego's watersheds, the educational outreach program focuses on bacteria pollutant generating activities, including pet waste management, manure management, and landscape management. Joining efforts with the County Water Authority, the County has been working to collaborate on efforts to reduce water use and over-irrigation. Messages and promotional materials have been tailored to include these messages and to promote the use of native or drought-tolerant plants.

Educational outreach activities for this target population will include community events, fairs, and festivals; clean-up events; and special events. With the County's education first philosophy, residential complaint investigations provide an opportunity to provide direct interaction and explanation about water quality concerns, pollutants, and BMPs.

School Children

Outreach to school children continues to be a priority for the County. Presently, the County contracts with the San Diego County Office of Education's Splash Science Mobile Lab (Splash Lab) and Green Machine. The Splash Lab is a completely self-contained mobile laboratory that brings simulated environmental conditions to school sites for ease and convenience. This enables schools with limited funding and schools within disadvantaged communities to have easy access to water science education. These presentations provide an interactive opportunity to children to learn about stormwater, water quality, bioassessment, watersheds, pollution, and BMPs.

Outreach to high school students is also a continuing program for high schools in the County Unincorporated area. Through a contract with I Love a Clean San Diego (ILACSD), presentations are provided to high school students to further educate the County's youth. Students learn valuable lessons about watershed protection, water quality, pollution prevention, and local watershed issues.

County of San Diego Schools

The County program focuses on school children to increase knowledge and produce long-term behavioral change. Educating school children is essential for promoting stormwater awareness and changing behavior at an early age. By increasing knowledge and awareness, a student's attitude about their own environment will mature, fostering respect and environmental stewardship. School children are a responsive audience, and often become "teachers" bringing home information to parents and carrying out activities learned in the classroom as "the right thing to do." The County reinforces knowledge of stormwater pollution issues through elementary, middle and high school in an effort to establish a foundation for incorporating these changes as a normal part of a person's lifestyle. The County encourages incorporating stormwater concepts into existing curricula.

These concepts include, but are not limited to:

- Being taught the difference between the sanitary sewer vs. the stormdrain system;

- What a watershed is; and
- Being able to identify the watershed they live in.

Based on 2007 census data, there are approximately 100,533 students between kindergarten and the 12th grade in the County Unincorporated area. See Table 7.4 for student enrollment as an example of the range in the different grade levels from 2000 census data (data unavailable for 2007).

Table 7.4 – Public School Enrollment in the County Unincorporated Area (2000)

Grades	Total Students
Kindergarten through 4	29,921
5 through 8	25,509
9 through 12	25,213
Total	**80,643**

The County will provide education to the following 13 Elementary School Districts and six High School Districts in the County's jurisdiction:

Elementary School Districts in the County Unincorporated area:

1. Alpine School District
2. Bonsall Union School District
3. Dehesa School District
4. Fallbrook Union Elementary School District
5. Jamul-Dulzura Union School District
6. Julian Union School District
7. Lakeside Union School District
8. La Mesa-Spring Valley School District
9. Rancho Santa Fe School District
10. San Pasqual Union School District
11. South Bay Union School District
12. Spencer Valley School District
13. Vallecitos School District

High School Districts in the County Unincorporated area:

1. Fallbrook Union High School District
2. Grossmont Union High School District
3. Julian Union High School District
4. Mountain Empire School District

5. San Dieguito Union High School District
6. Sweetwater Union High School District

There are a total of 105 schools in the aforementioned school districts.

The DPW's Planning and Recycling Program with the Department of Environmental Health's (DEH) Household Hazardous Waste Program collaborate to contract with I Love a Clean San Diego to go into the classroom for grades K-12, promoting recycling and encouraging the use of low-toxic substitutes. They reach over 5,000 students annually.

For outreach on watershed pollution prevention to elementary school students, the County contracts with San Diego County Office of Education (SDCOE) to provide two classroom programs, Green Machine for grades K-4 and Splash Lab for grades 4-6. Approximately 95 presentations occur annually, reaching approximately 3,000 students at 60 schools. The presentations reach a minimum of 40 percent of interested elementary schools annually. From year to year, different schools will receive the outreach presentations.

For outreach to high school students in the County Unincorporated area, the County contracts I Love a Clean San Diego to provide watershed presentations on watershed protection, stormwater and urban runoff, pollutants of concern, and the storm drain system. At least twenty percent of the high school students are reached per year through approximately 160 presentations to the high schools in the County Unincorporated area.

To reach students who live in the County Unincorporated area but may attend a school located in an incorporated jurisdiction, there are non-classroom based outreach activities. For non-classroom based activities, students are transported to a venue to receive the education and outreach programs.

- SDCOE and ILACSD conduct outreach activities during special events (e.g., World Water Monitoring Day). During special events, students receive the same presentations available in the classroom. Special events tend to reach a large groups of students from a variety of schools.

The Department of Parks and Recreation (DPR) operates multiple programs at a variety of parks in the County Unincorporated area. The programs are appropriate for different ages K-12. They reach a variety of students from a multitude of schools and school districts. They also provide services for Boy, Girl and Cub Scout troupes. There are approximately one-hundred (100) outreach events annually, reaching thousands of kids and students.

7.3.2 Outreach and Education

Outreach is the central part of all implementation strategies. Various types of outreach can be used to bring about changes in knowledge or awareness in target populations. All residential programs use a wide variety of activities to reach residents throughout the year. Examples of consistently utilized outreach activities include material distribution, workshops, trainings, and

seminars, community and special events, news releases, and material display (billboards, signs, kiosks, movie theatre slides, etc.). Specific program outreach and education performed are discussed below.

7.3.2.1 Watershed Protection Program

The County's WPP implements an extensive outreach program targeting the residential population. The WPP develops and utilizes a variety of resources to deliver its outreach messages. Branded water quality materials are used for general watershed information and specific residential tip cards, such as manure management and pool, spa, and fountain care and maintenance. Promotional items have been a long standing strategy used to present messages or desirable behaviors. The WPP utilizes pens, pencils, magnets, and rulers, as well as more behavior specific items including dog bag dispensers with bags intended for pet owners to pick up their pet's waste and packages of California poppy seeds to promote the use of native or low maintenance plants. All items contain stormwater messages and the County of San Diego Stormwater Hotline and County's Project Clean Water website. Outreach materials are distributed by County staff during community events and displayed in kiosks at appropriate locations. Additionally, materials are supplied to partner organizations to distribute at their facilities.

The WPP has expanded its outreach program to educate equestrian audiences on manure composting and erosion BMPs specific to horses. The WPP is both staffing and sponsoring workshops and booths throughout the County of San Diego to reach commercial and residential horse owners and enthusiasts. In addition, the WPP collaborated with the Recycling Program and the County Television Network (CTN) to create a 13 minute video titled "How to Manage Manure: Composting for Horse Owners." The target audience for the video was County residents who own or board horses on their properties. Distribution of the full length DVD and equestrian specific tip cards occurs at Equine and Trail Associations and equine-specific community events. Staff is also forming partnerships with equestrian organizations to increase stormwater awareness by providing videos for distribution at their meetings. A shortened version will be aired on the CTN's County Chronicles program. In 2014, WPP developed a comprehensive guide titled "Equine Best Management Practices" and an accompanying "Equine BMP Implementation Manual" to assist horse owners with BMPs appropriate for horse properties.

The WPP has also expanded its outreach to pet owners on the issue of proper disposal of pet waste. WPP staff and contractors such as I Love a Clean San Diego spread information and distribute pet waste bags at pet-focused events. The WPP also is collaborating with Animal Control to distribute pet waste bags at new pet owner adoption events.

The CTN routinely airs various public service announcements (PSAs) and video segments that focus on water quality themes to a countywide cable subscriber base of 725,000 households. In recent years, increased emphasis has been placed on mass media as a tool to continually reinforce

water messages to the general public. PSAs and video segments are "retired" as new products are introduced in order to keep information current and relevant to the priority pollutants in the County's watersheds.

7.3.2.2 Recycling

The Recycling Program conducts public education and promotes an online referral database http://www.wastefreesd.org/ and hotline 1-877-R-1-EARTH. The program provides residents with extensive recycling guides, with several available in Spanish (S). They include: Residential, Household Hazardous Waste (S), Automotive (S), Construction and Demolition (S), Apartments and Condos, Junk Mail, Green Waste Recycling Guide, and Sustainable Landscape Practices. These detailed guides are distributed during events and are also available on their website at http://www.sdcounty.ca.gov/dpw/recycling/guides.html. Other outreach components of the program include Public Education on Reduce, Reuse, and Recycle by promoting recycling through school presentations, point of purchase displays, public events, and mass media.

7.3.2.3 Household Hazardous Waste (HHW)

The County's HHW Program promotes safe household hazardous material use and disposal, and encourages the use of low-toxic substitutes. HHW are unused or leftover portions of hazardous chemicals and also include Electronic and Universal Waste Recycling. Together with the County's Recycling Program, HHW promotes the Hotline 1-877-R-1-EARTH for unincorporated residents which provides general information, information on collection facilities and special collection events, as well as promotion of the online database http://www.wastefreesd.org/.

7.3.2.4 Department of Parks and Recreation (DPR)

DPR provides opportunities for high quality parks and recreation experiences and to preserve regionally significant natural and cultural resources. One key activity in the program is educating the public about the County's invaluable natural resources. Rangers and volunteers are trained in the Environmental Education program to provide multiple interpretive services to the public, such as wildlife conservation programs with live animals, environmental slide programs, safety talks, ranger-led nature walks, plant propagation program, and community service.

Within DPR, is the Multiple Species Conservation Program (MSCP) a comprehensive long-term habitat conservation program. The MSCP program was developed to comply with the federal Endangered Species Act and the state Natural Communities Conservation Planning Act. MSCP works to preserve San Diego's unique, native habitats and wildlife for future generations and protect watershed and water quality by targeting 172,000 acres of our natural areas for conservation. It is a unique regional conservation effort that works across political boundaries.

The MSCP staff publishes a quarterly newsletter updating the public on three planning areas, North, South, and East County, as well as other topics relevant to habitat conservation.

7.3.2.5 University of California Cooperative Extension (UCCE)

UCCE's Healthy Garden, Healthy Home (HGHH) is a program giving the residents of San Diego County the opportunity to improve our water resources. As part of this effort, a team of 25

UCCE San Diego County Master Gardeners have undergone extensive in-depth Integrated Pest Management (IPM) training in order to provide outreach to the San Diego Community. The program creates and disseminates Retail Nursery Newsletters and a Landscape Brochure.

An innovative outreach instrument created by UCCE is the IPM Kiosk that contains information about 50 common home and garden pests, including identification and management, alternatives to pesticides and least toxic pest control, as well as safe use and disposal of pesticides. The kiosk also includes tips related to proper watering, fertilizing, and avoiding problems associated with garden chemicals. Kiosk users can look up a pest by category and name or diagnose a problem on plants. Users can watch videos, print and take home information, as well as locate resources for finding additional pest management help in their county. In addition, the HGHH kiosks have been upgraded to provide users the option of selecting English or Spanish language to reach broader audiences.

7.3.2.6 Hotlines and Websites

Hotline and websites provide residents access to information and opportunities to report complaints. They are discussed in detail within Chapter 8 (Public Participation).

7.3.2.7 Waste Collection and Recycling

A variety of waste collection and recycling services are used to assist residents and businesses in properly disposing of wastes. The County is responsible for these services in the County Unincorporated area and holds numerous events throughout the year.

Recycling holds curbside collection services, drop-off recycling centers, oil recycling services, tire recycling services, compost, yard waste, and animal waste management. In addition, Recycling holds specific one-day recycling events such as free composting workshops and tire recycling day.

HHW supports waste collection from unincorporated residents at facilities located in Chula Vista, El Cajon, Miramar, and Ramona. Like Recycling, one-day collection events are held and take place in residential areas such as local high schools, churches, and road stations.

8.0 PUBLIC PARTICIPATION 1

8.1 Introduction 1

8.2 Stormwater Copermittee Meetings 1

8.3 Integrated Regional Water Management Planning 3

8.4 Workshops, Conferences, and Summits 3

8.5 Watershed Planning Groups 4

8.6 Partnerships 4

8.7 Hotline and Websites 5

8.8 Media 7

8.9 Community Events and Public Interaction 7

8.10 Water Quality Improvement Plans 7

Table 8-1 - County Website Resources 6

8.0 PUBLIC PARTICIPATION

This section describes the steps that will be taken to include public participation in the development and implementation of the County of San Diego's Jurisdictional Runoff Management Program (JRMP).

8.1 INTRODUCTION

The County continues to pursue a program development strategy which actively encourages the participation and input of stakeholders. The County has incorporated an additional requirement per 2013 MS4 Permit Provisions E.7.b (1) and (2), to provide a public participation process for development of the Water Quality Improvement Plan (WQIP) priority water quality conditions, goals and water quality improvement strategies. The County utilizes a variety of means to encourage the public to share in the development and implementation of its JRMP. Many of the venues utilized offer the opportunity for public comment, direct interaction, and feedback.

These include the following:

- Stormwater Copermittee Meetings;
- Integrated Regional Water Management Planning;
- WQIP Development and Update;
- Workshops, Conferences, and Summits;
- Watershed Planning Groups;
- Partnerships with entities such as San Diego Gas and Electric, the San Diego County Water Authority, and the San Diego Zoological Society;
- Regional Stormwater Hotline;
- Project Clean Water website;
- Press Releases, email announcements, and newsletters; and
- Community Events.

Long-term success of the JRMP depends greatly on the degree to which stakeholders can effectively be brought together to reach common goals. Using these and other methods, public participation will continue to be strongly encouraged to ensure that stakeholder interests, concerns, and solutions are considered and addressed. Throughout the MS4 Permit cycle, stakeholder involvement will remain an ongoing priority for the County.

8.2 STORMWATER COPERMITTEE MEETINGS

The County chairs and provides administrative and technical support for the Regional Stormwater Management Committee (Management Committee). The Management Committee coordinates Copermittee activities, develops and implements regional programs, and promotes consistency between programs. Management Committee meetings provide a forum for the discussion of

shared program development and implementation responsibilities. County staff or contractors produce detailed summaries for each meeting and post them on the Copermittee webpage, Project Clean Water (PCW), at www.projectcleanwater.org.

Each meeting is announced on the PCW webpage and by e-mail, usually two weeks prior to each meeting. The e-mail notification list for Management Committee meetings includes 259 Copermittees and interested parties. Each Management Committee meeting also includes scheduled open floor time to provide participants an opportunity to voice issues and concerns or to make general announcements.

To further facilitate public participation, the County and other Copermittees have voluntarily consented to follow the requirements of the Ralph M. Brown Act, which governs open meetings for local government bodies. Public participation issues specifically addressed by the Brown Act, contained in section 54950 et seq. of the Government Code, include the following[1]:

- Public Testimony. The public may comment on agenda items for consideration by the Management Committee. Time must also be set aside for public comment on any other matters under the Management Committee's jurisdiction.
- Taping or Broadcasting. Meetings may be broadcast, audio-recorded, or video-produced so long as the activity does not constitute a disruption of the proceeding.
- Conditions to Attendance. The public may not be asked to register or identify themselves or to pay fees in order to attend public meetings.
- Public Records. Materials provided to a majority of the Management Committee which are not exempt from disclosure under the Public Records Act must be provided, upon request, to members of the public without delay.
- Required Notices and Agendas. An agenda containing a brief general description (approximately twenty words in length) of each matter to be discussed must be posted at least 72 hours prior to each meeting. Additional requirements apply to special and emergency meetings. Exceptions are allowable in the case of emergency circumstances, or where a need for immediate action comes to the attention of the Management Committee after the posting of the agenda.

Brown Act compliance is specified in section III.B.10 of the Copermittees' Memorandum of Understanding (MOU), and is limited to meetings of the Management Committee[2], subcommittees, and workgroups. Other bodies established by the Management Committee are not subject to this requirement.

1 Source: California Attorney General's 1994 pamphlet, "The Brown Act: Open Meetings for Local Legislative Bodies."
2 Copermittees do not waive their right to take the position that the Brown Act legally does not apply, but voluntarily agree to follow Brown Act procedures for Management Committee meetings.

8.3 INTEGRATED REGIONAL WATER MANAGEMENT PLANNING

Integrated Regional Water Management (IRWM) planning was formally established in California by the passage of Proposition 50 in November 2002. IRWM planning sets forth a process aimed at securing long-term water supply reliability by first recognizing the inter-connectivity of water supplies and the environment and then pursuing projects yielding multiple benefits for water supplies, water quality, and natural resources. Proposition 50 authorizes $380 million in general obligation bonds to fund a variety of IRWM Plan-related projects. The IRWM Program is jointly administered by the California Department of Water Resources and the State Water Resources Control Board.

In November 2004, the Copermittees authorized the County to represent the Stormwater Copermittees' Management Committee in the collaborative development of San Diego's IRWM Plan. Through a Memorandum of Understanding, the County Water Authority, County of San Diego, and the City of San Diego formed the Regional Water Management Group (RWMG), which has since funded, guided, and managed the development of the IRWM Plan. In December 2006, a Regional Advisory Committee (RAC) was established to assist in the finalization of the IRWM Plan and prioritization of regional projects for both the Plan and for funding applications. The RAC is comprised of 25 members with expertise in local water supply, wastewater, recycled water, stormwater and urban runoff, natural resources, and environmental stewardship. Members represent environmental groups, academia, agriculture, water quality interests, and regulatory agencies. The RAC meets every other month, and is noticed in the same fashion as the Copermittee meetings, in compliance with the Brown Act.

In 2008, the San Diego IRWM Region was awarded $25 million of Proposition 50 grant funds for 19 local projects consistent with the IRWM Plan Objectives. In 2011 and 2014, the region was awarded $34.5 million of Proposition 84 grant funds for 26 local projects, including water supply, water quality, and natural resources projects. With the passing of Proposition 1 in November 2014, an additional $52.5 is potentially available for the San Diego IRWM Funding Area. Information on the IRWM Program and grants projects is available at http://sdirwmp.org/.

8.4 WORKSHOPS, CONFERENCES, AND SUMMITS

Stakeholder input continues to be facilitated through a variety of workshops and conferences. The County conducts workshops, such as those presented on low impact development (LID), Hydromodification, and advances in Best Management Practice (BMP) technologies to educate and obtain feedback from stakeholders. Future workshop topics may include: construction and land development programs, the 2013 MS4 Permit, and the revised Watershed Protection Ordinance. Additionally, over the past six years, an annual Clean Water or Water Conservation Summit has been held to discuss the latest issues in the water quality arena, new regulations, collaboration, and uniting the region on common goals. Focused workshops and conferences will continue to be a focal point of the County's overall strategy for ensuring public participation in the development and implementation of its water quality programs.

8.5 WATERSHED PLANNING GROUPS

Currently, the County participates in all nine of the watershed planning groups that are operated in cooperation with the respective Copermittee jurisdictions. With the development of the WQIPs, the County works in coordination with the other Copermittee agencies in each watershed management area, as well as the consultation panels convened to assist with the strategies and priorities for each watershed's WQIP. There are also a growing number of private – non-governmental organizations (NGOs) that run watershed groups throughout the region. The County currently participates in many of these groups as well, including, the San Luis Rey Watershed Council, the San Diego River Coalition, the Carlsbad Watershed Network, the Binational Committee for the Tijuana River Watershed, the Santa Margarita Stakeholder group, among others. Watershed planning efforts provide forums for private citizens, government agencies, and business interests to unite in addressing shared concerns within the watershed(s). With public participation, the development of watershed and jurisdictional activities and programs can be focused to addressing the pollutants, water quality, and natural habitat concerns cooperatively. The relationship of these efforts to JRMP development and implementation cannot be overstated since they address complementary objectives and all rely on public participation for success. Through collaboration and partnerships with stakeholders, the County will continue to pursue funding for the development and implementation of activities and plans.

PCW is another venue which provides a means for stakeholders to share data and information regarding local water quality management efforts. PCW provides a means not only of supporting MS4 Permit compliance, but also for improving programs through partnerships and initiatives that reach beyond compliance. This inclusive forum brings the region together to explore water quality issues of regional significance. PCW is comprised of several working groups and advisory committees that discuss issues of shared concern, find consensus solutions to priority problems, and characterize water quality conditions within the region's watersheds.

8.6 PARTNERSHIPS

Aside from the collaboration and partnership among the region's Copermittees, the County has worked toward developing external partnerships in order to leverage the efficiency and effectiveness of its programs. Partnerships with the County Water Authority and the City of San Diego during the development of the IRWM Plan have opened many doors for increased collaborative efforts. New partnerships have been developed and others have been enhanced. Through the IRWM Plan, the County has come to work more closely with the tribal nations, San Diego Coastkeeper, San Diego State University, the Zoological Society of San Diego, and becoming involved with regional groundwater management planning and disadvantaged communities. Given the cross-cutting interests of these and other groups with similar interests, the County has come to realize many benefits including opening the lines of communication between agencies and NGOs. The County intends to continue building on its relationships with external parties and identifying additional opportunities to collaborate and maximize program efficiency.

8.7 HOTLINE AND WEBSITES

A key element of the County's public participation strategy is to provide accessible resources for obtaining water quality information and reporting complaints. The County continues to operate several hotlines and websites to report complaints.

In accordance with 2013 MS4 Permit section E.2.b.(3)(a), the County will continue to operate a public hotline to facilitate public reporting of illicit discharges or water quality impacts associated with discharges from residences, businesses, and other sources. This hotline is capable of receiving reports in both English and Spanish 24 hours a day seven days per week. The hotline receives calls from a toll-free Regional Stormwater Hotline (1-888-846-0800). All calls are answered by hotline operators, Monday through Friday, 8:00 a.m. - 5:00 p.m. A voice mail message is provided for 24-hour public access in both English and Spanish. Public reporting is also available by accessing the Project Clean Water website's Report Pollution page[3], Accela Citizens Access web interface[4], or by contacting the Department of Public Works (DPW), Watershed Protection Program directly (watersheds@sdcounty.ca.gov). A link to this email address (watersheds@sdcounty.ca.gov) is displayed on the DPW Watershed Protection webpage[5]. All complaint information received is forwarded to the Department of Public Works, Watershed Protection Program staff for routing to the appropriate departments or agencies for follow up and/or investigation.

This hotline number and the website addresses are distributed to the public via brochures, advertisements, and various other outreach methods to encourage them to report complaints. Through its education and outreach program, the County will continue to aggressively market the various contact methods to all target audiences."

Household Hazardous Waste & Recycling (1-877-R-1-EARTH)

The County contracts with a local environmental non-profit organization that operates a hotline (1-877-R-1-EARTH) which provides residents with information about reuse, recycling, and safe disposal options for a variety of materials including used oil and household hazardous waste. Attendants also refer residents with urban runoff questions to the Regional Stormwater Hotline.

Websites provide an additional way for the public to learn about water quality issues, to report complaints, and to get involved. The County maintains numerous website pages that incorporate general and specific information about common issues, activities, and pollutants. Websites with particular relevance to watershed and water quality issues are listed in Table 8.1. Informational resources typically accessed on these sites include ordinances, educational materials, guidance documents, and links to other sites.

Project Clean Water Website

[3] http://www.projectcleanwater.org
[4] https://publicservices.sdcounty.ca.gov/citizenaccess/
[5] http://www.sandiegocounty.gov/content/sdc/dpw/watersheds.html

The Project Clean Water (PCW) website was designed to be a water quality resource for the San Diego Region. Its vision "Clean Water through Local Commitment and Action," underscores the basic principle that clean water can only be achieved through dedication, commitment, and hard work if the people who live and work in the San Diego Region. This County-initiated effort provides the forum for information sharing to promote regional collaboration and consistency in outreach to maximize results. It also serves disseminate information on watershed and water quality topics. Copermittee workgroup web pages make meeting notices, meeting summaries, and relevant work products available to participants and the public at large. The PCW website also hosts the WQIPs for all watersheds. Lastly, the website provides general watershed information, programs and laws, water management plans, and links to the Healthy Garden / Healthy Homes and Integrated Regional Water Management Planning for the San Diego Region websites.

The County includes a Clean Water Toolbox (http://www.projectcleanwater.org) that provides residents and business with useful information on a variety of BMPs. The purpose of this addition was to provide a centralized resource that will support the consistent application of BMPs across the San Diego region. The site provides user-friendly and audience-specific BMP information to a variety of residential and business users. It has an end-user focus and can be searched in several ways. In addition to providing BMP profiles that are specific to users and activities, the site contains links and other resources that assist users in seeking out additional information. Visitors to the residential page are given a selection of BMP options for activities from power washing to lawn and garden care.

County Watershed Protection Website

The WPP website provides County residents with a variety of water quality and compliance resources at the following location: http://www.sandiegocounty.gov/dpw/watersheds.html. From the home page, visitors are invited to learn more about BMPs for activities related to horse and livestock care, pool and spa maintenance, yard and lawn care, home improvement, vehicle care, and pet care.

Table 8-1 - County Website Resources

Description	Link
DPW Watershed Protection Page	www.sdcounty.ca.gov/dpw/watersheds
Watershed Protection Ordinance (WPO)	http://www.sandiegocounty.gov/dpw/watersheds/ordinance.html
DEH Pollution Prevention Page	http://www.sandiegocounty.gov/content/sdc/deh/hazmat/pollution_prevent.html
AWM Agricultural Water Quality Page	http://www.sdcounty.ca.gov/awm/ag_water.html
County Green Business Program	http://www.sandiegocounty.gov/deh/doing_business/chd_greenbus.html
DPW Recycling Program Page	http://www.sandiegocounty.gov/dpw/recycling/index.html
PDS General Plan	http://www.sandiegocounty.gov/pds/generalplan.html

Description	Link
DPR Multiple Species Conservation Program (MSCP) Outreach & Education	http://www.sdcounty.ca.gov/parks/ee.html
PDS Multiple Species Conservation Program	http://www.sandiegocounty.gov/pds/mscp/
PDS Advanced Planning Division Page	http://www.sandiegocounty.gov/content/sdc/pds/advance.html
PDS Building Forms Page	http://www.sandiegocounty.gov/content/sdc/pds/bldgforms.html
Project Clean Water	www.projectcleanwater.org

8.8 MEDIA

Other than the hotlines and websites, the County utilizes a variety of means to communicate with the public. This includes the use of press releases, news articles, television announcements, community newsletters, and voter guides (Registrar of Voter's Sample Ballots). These mechanisms serve as a consistent and ongoing method that will continue to be utilized throughout the MS4 Permit cycle. The combination of these media outlets serves as a means of keeping the public and stakeholders updated on current events and opportunities to participate.

8.9 COMMUNITY EVENTS AND PUBLIC INTERACTION

Community events provide an opportunity for direct interaction with the public. The County participates in a variety of community events, fairs, festivals, etc., that help to inform and educate the public about stormwater pollution prevention, watersheds awareness, water conservation, and water quality concerns for the region. Tools such as tip cards, dust pans, pesticide measuring spoons, reusable shopping bags, and doggie bag dispensers are made available to assist the public with implementing pollution prevention best management practices. These types of events also provide a chance for the public to obtain a better understanding about water resource concerns, as they can ask questions, participate, receive guidance, sign up to receive e-mails for upcoming events, and watch interactive demonstrations such as the non-point source watershed model.

In the County's day to day operations, County staff directly interacts with the public in a number of ways, providing a chance to raise awareness and encourage personal participation. Much of this interaction occurs as part of regular job duties including complaints, inspections, public presentations and neighborhood visits. These daily interactions that occur provide an important avenue for obtaining direct feedback from residents and business representatives.

8.10 WATER QUALITY IMPROVEMENT PLANS

In accordance with the requirements of the 2013 MS4 Permit, the County has implemented a public participation process for the development of the WQIPs. Consultation Panels have also been formed to provide recommendations for the WQIPs. The intent of this process is to solicit data, information, and recommendations that can be used to develop the priorities identified in the WQIP. As part of this process, the public is notified of opportunities to participate and provide comments.

9.0 ENFORCEMENT RESPONSE PLAN 1

9.1 Introduction 1

9.2 General Approach to Enforcement 1

9.3 Routine Illicit Discharge Detection and Elimination Enforcement 2

9.4 Routine Development Planning Enforcement 3

9.5 Routine Construction Management Enforcement 3
9.5.1 County Permitted (Private) Construction Projects 3
9.5.2 County CIP and Other Public Construction Projects 4

9.6 Routine Existing Development Enforcement 5
9.6.1 Enforcement within Existing Residential Areas 5
9.6.2 Enforcement of Structural BMP Performance within Existing Development Areas 5

9.7 Escalated Enforcement and Reporting of Non-Compliant Sites 6

9.0 ENFORCEMENT RESPONSE PLAN

9.1 INTRODUCTION

The County of San Diego (County) has modified its existing enforcement procedures and grouped them under an Enforcement Response Plan (ERP) as required by the 2013 MS4 Permit. The ERP incorporates the strategies of the Water Quality Improvement Plans (WQIPs) and includes the following general components:

- General Approach to Enforcement
- Illicit Discharge Detection and Elimination Component of Routine Measures
- Development Planning Routine Component of Routine Measures
- Construction Management Enforcement Component of Routine Measures
- Existing Development Enforcement Component of Routine Measures
- Escalated Enforcement and Reporting of Non-Compliant Sites

9.2 GENERAL APPROACH TO ENFORCEMENT

The primary objective of the ERP is to promote voluntary compliance with applicable ordinances and the National Pollutant Discharge Elimination System (NPDES) provisions. In cases of noncompliance, the ERP provides County staff with several enforcement tools to ensure a return to compliance in a timely manner while following due process. “Education first” is a key component of the County’s approach to improving water quality. Often a resident or facility operator may not be aware that a particular activity could generate a pollutant that contributes to water pollution. Once the responsible party understands the potential impact of an activity and the appropriate Best Management Practices (BMPs) to prevent a discharge, he or she likely will change the behavior voluntarily. While emphasizing education as the primary means of achieving compliance, the County also has the necessary authority and procedures in place to investigate and enforce in cases of continued noncompliance. The County Administrative Code, Title 1, establishes authority by which the County may use escalated enforcement measures, as described in Section 9.7.

Stormwater violations within the County are to be corrected in a timely manner with the goal of returning to compliance within 30 calendar days, or prior to the next recorded rain event (whichever is sooner). Any correction of a County violation that is not achieved within 30 calendar days will be recorded and tracked by the County along with associated rationale explaining the factors involved with the delay.

In the event that a violation or potential violation may endanger health or the environment, the County will forego the “education first” approach and proceed immediately to more stringent enforcement measures.

Attachment B of the 2013 MS4 Permit requires the County to report any noncompliance that may pose a threat to human or environmental health within 24 hours of the County becoming aware of

circumstances. Such oral notification must be followed up by a written report and submitted to the Regional Board within 5 days of the incidence of non-compliance as required as part of Attachment B section 1.l.(6) of the 2013 MS4 Permit. For additional information on County reporting procedures, refer to Section 9.7.

9.3 ROUTINE ILLICIT DISCHARGE DETECTION AND ELIMINATION ENFORCEMENT

The County uses field observations, complaints, data and records, as well as sampling to determine the point source location and responsible parties associated with illicit discharges.

The County will carry out enforcement actions as needed to eliminate illicit discharges and connections. The County will conduct an investigation to determine the level of enforcement action necessary for compliance. Progressive enforcement is used to ensure that adequate enforcement is conducted to eliminate the illicit discharge or connection. Some of the factors that influence the selection of appropriate enforcement actions include the threat level and duration of the violation, the cooperation and willingness of the responsible party to remedy the conditions, whether the incident is isolated or ongoing/recurring, and whether the violation or potential impacts will have a detrimental effect on human health or the environment. Regardless of the specific enforcement actions pursued, all responsible parties are required to implement corrective actions to address their violations. The routine progressive steps available may include various attempts to communicate measures necessary for compliance. They include:

- An advisory letter sometimes is issued when there is no evidence of an illicit discharge or connection and County staff wants to document that the resident or operator has been notified of his or her BMP responsibilities;
- Verbal warnings are used when a discharge or potential discharge can be easily corrected at the time of investigation or soon afterwards. A follow-up visit may not always be necessary. Educational and outreach materials often are provided to the responsible party.
- A Notice of Violation / Corrective Actions (NOV) is issued to provide a written notice that corrective action is necessary within a certain period of time. During inspections of regulated facilities, the Inspection Report serves as the NOV. An NOV may also be issued on County letterhead depending on the complexity of the case, e.g., if multiple responsible parties are involved. The period to return to compliance is usually 14 calendar days. In cases of immediate threat to health or the environment, a cease-and-desist can be issued with a follow-up time of 24 hours. In less urgent cases, the responbile parties may be given 30 days to comply if time is needed to properly plan and implement BMPs, e.g., such as structural controls. As field staff conduct investigations, they will maintain records and a database of relevant information for each incident. This information is entered into a database that is used for annual reporting. Annually, the County will submit a summary of the prohibited non-stormwater discharges and connections investigated and eliminated within its jurisdiction.

See Section 9.7 for additional detail on escalated enforcement measures.

9.4 ROUTINE DEVELOPMENT PLANNING ENFORCEMENT

Section 67.810, 67.811 & 67.812 of the WPO establishes requirements for the review and approval of development plans, as well as the acceptable mechanisms used to ensure appropriate maintenance and performance of BMPs. Routine development planning measures used to enforce NPDES provisions include:

- Written or verbal plan-check comments to correct minor noncompliance issues on a permit application or during the design approval process.
- Bond and security deposit requirements for BMPs.
- For instances in which plan-check comments are not addressed to the satisfaction of staff, or in which appropriate financial security is not provided, the County maintains the option to deny the issuance of a construction or occupancy permit.

See Section 9.7 for additional detail on escalated enforcement measures.

9.5 ROUTINE CONSTRUCTION MANAGEMENT ENFORCEMENT

9.5.1 County Permitted (Private) Construction Projects

For County permitted construction projects, the County's inspectors will conduct enforcement of stormwater pollution prevention requirements. The County's construction management enforcement program is designed to accomplish the following goals:

- To educate the regulated community;
- To promote voluntary compliance of the laws and regulations within the regulated community;
- To penalize violators, as appropriate, and to deprive violators of any significant benefit gained from violations;
- To prevent any business from having an unfair business advantage through non-compliance; and
- To treat similar facility owners and operators equally and consistently with regard to the same types of violations.

The routine progressive enforcement steps that apply to the construction management element are:

- **Administrative Warnings** - A common initial method of requesting corrective action and enforcing compliance is a written warning from the County's inspector to the contractor. Written warnings are often sufficient to achieve correction of the violation, often while the inspector is present at the construction site. The inspector will notify the contractor of the violation, and document the violation and the notification in the inspection file. A specific time frame for correcting the problem and a follow-up

inspection date will be documented by the inspector. In judging the degree of severity, the inspector will also take into account any history of similar or repeated violations by the same contractor at this or other sites. The inspector is encouraged to contact his or her supervisor by telephone if there are questions as to the appropriateness of issuing an Administrative Warning. The inspector will notify their supervisor immediately of any documented discharges or serious erosion problems. The inspector will complete a written inspection report within two working days of the incidence of noncompliance, and must include evidence such as notes, photographs, and log sheets for use in any enforcement action. Site specific non-compliance issues are input into a database for tracking purposes.

- **Notice of Violation** - If the deficiency noted in an Administrative Warning is not corrected by the next inspection or the severity of the violation is such, that an additional written warning is not strong enough, a written NOV will be issued describing the infraction that is to be corrected and the time frame for correction and for a follow-up inspection. A copy of the notice will be given to the owner or developer and placed in the active inspection file. If the violation has been corrected to the satisfaction of the inspector, the inspector will document compliance in the inspection file. The inspector is encouraged to contact his or her supervisor by telephone if there are questions as to the appropriateness of issuing a NOV. The inspector will notify their supervisor immediately of any documented discharges or serious erosion problems. The inspector will complete a written inspection report within two working days of the incidence of noncompliance, and must include evidence such as notes, photographs, and log sheets for use in any enforcement action. Site specific non-compliance issues are input into a database for tracking purposes.

The County of San Diego, Department of Planning and Development Services and the Department of Public Works, Watershed Protection Program (DPW WPP) will notify the Regional Water Quality Control Board (Regional Board) by e-mail at Nonfilers_R9@waterboards.ca.gov within 5 calendar days when staff become aware of a site that does not have a Construction General Permit.

See Section 9.7 for additional detail on escalated enforcement measures.

9.5.2 County CIP and Other Public Construction Projects

The County of San Diego requires contractors that are hired to construct public works projects to determine and implement BMPs to maintain compliance with applicable NPDES provisions and the Watershed Protection Ordinance (WPO). Adherence with contract documents such as Erosion and Sediment Control Plans, Stormwater Pollution Prevention Plans (SWPPPs), and project specifications is confirmed by inspection staff of the department for which the construction is being done and enforced as necessary by standard payment provisions, liquidated

damage clauses, and other means. Examples of standard contract documents are available for review upon request.

See Section 9.7 for additional detail on escalated enforcement measures.

9.6 ROUTINE EXISTING DEVELOPMENT ENFORCEMENT

Existing development, including municipal facilities, must meet the requirements set out in the WPO.

Industrial, commercial, municipal, and residential inspections will be conducted to identify point sources for potential pollutants that may negatively impact water quality. Field observations, complaints, and sampling are also used to determine the location of point source pollution, as well as the identity of responsible parties.

Routine existing development enforcement measures include the progressive steps outlined in Sections 9.2 and 9.3. See Section 9.7 for additional detail on escalated enforcement measures.

The DPW WPP will notify the Regional Board by e-mail at Nonfilers_R9@waterboards.ca.gov within 5 calendar days when staff becomes aware of an industrial facility that has not obtained coverage under the statewide Industrial General Permit (IGP).

9.6.1 Enforcement within Existing Residential Areas

The lead for NPDES enforcement and compliance within existing residential areas is the WPP. This includes proactive assessments of Residential Management Areas to detect and eliminate prohibited discharges, including, but not limited to, irrigation runoff. The routine steps available to the WPP include the education-first and progressive steps outlined in Sections 9.2 and 9.3, respectively.

Regardless of the specific enforcement actions pursued, all responsible parties are required to implement corrective actions to address their violations. See Section 9.7 for additional detail on escalated enforcement measures.

9.6.2 Enforcement of Structural BMP Performance within Existing Development Areas

The DPW WPP inspects structural BMPs and responds to complaints about structural BMPs, privately or publicly maintained. Adequate enforcement or administrative action must be utilized to ensure a return to compliance (adequate BMP maintenance and certification) by the responsible party.

Private Sites - Structural BMPs may be deemed non-functional and not in compliance with County ordinance. In addition to “education first” measures described in Section 2, the County will utilize the following enforcement tools, where appropriate, non-compliance of privately maintained structural BMPs:

- An advisory letter sometimes is issued when there is no evidence of an illicit discharge or connection and County staff wants to document that the resident or operator has been notified of his or her BMP responsibilities;
- Verbal warnings are used when a discharge or potential discharge can be easily corrected at the time of investigation or soon afterwards. A follow-up visit may not always be necessary. Educational and outreach materials often are provided to the responsible party.
- A Notice of Violation / Corrective Actions (NOV) is issued to provide a written notice that corrective action is necessary within a certain period of time. During inspections of regulated facilities, the Inspection Report serves as the NOV. An NOV may also be issued on County letterhead depending on the complexity of the case, e.g., if multiple responsible parties are involved. The period to return to compliance is usually 14 calendar days. In cases of immediate threat to health or the environment, a cease-and-desist can be issued with a follow-up time of 24 hours. In less urgent cases, the responsible party may be given 30 days to comply if time is needed to properly plan and implement BMPs, e.g., such as structural controls.
- Clean-up and Abatement Notices (in which the County cleans or repairs the structural BMP and then charges the Responsible Party),

As field staff conducts investigations, they will maintain records and a database of relevant information for each incident. This information is entered into a database that is used for annual reporting.

See Section 9.7 for additional detail on escalated enforcement measures.

Special District or County as Responsible Party - The WPP will prepare and issue an Administrative Report of Non-Compliance (ARNC) and submit this report to the appropriate upper management personnel of the County division with direct oversight of the BMP. The report will request a response of corrective actions, with pertinent supporting documentation, to be submitted in a timely manner to the WPP by the appropriate manager. All ARNCs must be made readily available to the Regional Board on request.

9.7 ESCALATED ENFORCEMENT AND REPORTING OF NON-COMPLIANT SITES

Escalated Enforcement is defined as the steps used to gain compliance with the NPDES permit in reducing the adverse effect of polluted run-off discharges to receiving waters. It includes any enforcement scenario in which a violation or situation of non-compliance is causing or contributing to the highest priority water quality conditions identified within the County's WQIPs. In the small percentage of cases where the "education first" or other routine measures are not successful in achieving compliance, escalated enforcement may begin. Use of Administrative Citation Warnings (ACWs), Stop Work or Cease and Desist Orders, and

Administrative Citations (ACs) are among the most commonly used methods for escalated enforcement.

The first step in the escalated enforcement process will begin with an ACW, and may be issued to the responsible party with clean-up and BMP requirements. An ACW can also be issued in complaint cases following non-compliance with an NOV. More than one ACW may be used during this stage of escalated enforcement depending on the details of the enforcement case. For example, if a responsible party is making progress in correcting deficiencies but needs more time to complete the corrections then another ACW may be used. Stop Work/Cease and Desist Orders are similar options available to the County for escalated enforcement.

The second step for escalated enforcement is to issue an AC with escalated fines. The escalated fines progress from $100, $200, $500, and $1000 per violation up to a total of $10,000. More than one AC maybe used during this stage of escalated enforcement depending on the details of the enforcement case. For example, if a responsible party is making progress in correcting violations but needs more time to complete the corrections then another AC may be used.

Another option for escalated enforcement in egregious situations is to issue a civil penalty that may be an alternative to the citation steps. If there is a scenario where none of these options results in compliance, the case may be referred to the Environmental Crimes Task Force for potential criminal prosecution under the State Porter Cologne Water Quality Act or the Federal Clean Water Act. The County WPO provides further detail regarding administrative, civil, and criminal options for escalated enforcement. Refer to the following:

- SEC. 67.814. Enforcement
- SEC. 67.815. Violations - Criminal Penalties
- SEC. 67.816. Violations - Public Nuisance
- SEC. 67.817. Violations - Denial of Subsequent Permits and Occupancy
- SEC. 67.818. Violations – Injunctive or Declaratory Relief
- SEC. 67.819. Violations – Civil Penalties
- SEC. 67.820. Violations – Cost Recovery
- SEC. 67.821. Notice of Ineligibility for Land Development

Depending upon land use and the County department that is responsible for enforcement, minor differences and additional options are available as progressive steps in escalated enforcement.

Attachment B of the 2013 MS4 Permit requires the County to report any noncompliance that may pose a threat to human or environmental health within 24 hours of the County becoming aware of circumstances. Such oral notification must be followed up by a written report and submitted to the Regional Board within 5 days of the incidence of non-compliance as required as part of Attachment B section 1.l.(6) of the 2013 MS4 Permit.

The County of San Diego will notify the Regional Board by e-mail within 5 calendar days of issuing escalated enforcement action against a site that poses a significant threat to water quality as a result of non-compliance with applicable permits, ordinances, or NPDES provisions.

10 FISCAL ANALYSIS COMPONENT 1

10.1 Fiscal Analysis Methods.....1

Table 10.1 – Overview of Jurisdictional Program Costs and Funding Sources 2
Table 10.2 – Overview of Watershed Program Costs and Funding Sources.....9
Table 10.3 – Overview of Regional Program Costs 9

10 FISCAL ANALYSIS COMPONENT

This section describes the County's general strategy for conducting fiscal analyses of its Jurisdictional Runoff Management Program (JRMP) related expenditures. Detailed budgets will be included in each of the County's JRMP Annual Reports.

10.1 FISCAL ANALYSIS METHODS

The County's current approach to conducting and reporting on an annual Fiscal Analysis is updated from that first presented in the Fiscal Year (FY) 2006-07 JURMP Annual Report. Per the 2007 MS4 Permit section G, the County worked with other Copermittees to collaboratively develop a *Standardized Method and Format for Annually Conducting and Reporting Fiscal Analyses of Copermittee Urban Runoff Management Programs*. The County has modified its fiscal analyses and began conducting them in accordance with this standardized method starting in January 2010 (i.e., for the FY 2008-09 reporting period). Estimated costs are spread over several County departments, based on their different functions and responsibilities. Tables 10.1, 10.2, and 10.3 show the major categories over which costs are projected, the departments and programs that share these costs, and the sources of funding the County anticipates using to secure the resources necessary to meet its Permit obligations. As shown, expenditures are projected according to four broad categories:

- Jurisdictional (Table 10.1);
- Watershed (Table 10.2);
- Regional (Table 10.3); and
- Total

The County will continue funding its programs through a combination of the following revenue sources:

- General Fund;
- Flood Control District Fees;
- Developer Deposits and Fees;
- Gas Tax (TransNet);
- Sanitary District Fees;
- Environmental Trust Fund;
- Airport Enterprise Funds;
- Agricultural Registration and Inspection Fees;
- Solid Waste Franchise Fees;
- Environmental Health Permit Fees;
- County Service Areas (CSAs); and

- Community Development Block Grants.

Legal restrictions on the use of these funding sources are as follows.

General Fund. There are no restrictions on the use of general fund for County water quality programs and activities except that they must be used only for the purposes for which they are budgeted and allocated by the County Board of Supervisors.

Flood Control District Fees. Revenue generated from these fees must be expended for activities related to flood and stormwater management.

Developer Deposits / Permit Fees. Deposits and fees may be used only to fund activities related to the work for which the permits are issued.

Gas Tax. The Gas Tax is collected by the state and allocated to local government for transportation-related work including maintenance of existing transportation systems (e.g. roadway sweeping, culvert cleaning) and construction of new transportation facilities. These funds may not be used for other purposes.

Sanitary District Fees. Sanitary District Fees are used for work related to the maintenance of sewer lines, pump stations, force mains, and several treatment plants that serve the County Unincorporated areas of Alpine, Julian, Lakeside, Spring Valley, Pine Valley, Campo, East Otay Mesa, and the Winter Gardens area. They may be used only for maintenance-related purposes within the respective sewer district within which they are collected.

Other Funding Sources. Because other funding sources collectively account for a relatively small portion of ongoing expenditures, legal restrictions on their use are not discussed further here. However, all funding for the County's stormwater compliance programs is expended within applicable legal restrictions and limitations.

Table 10.1 – Overview of Jurisdictional Program Costs and Funding Sources

Program Element		Projected Funding Sources[1]	Description
1. Administration			
1	DPW Administrative Activities	General fund	These costs correspond to the development, administrative oversight, and assessment of the County's stormwater programs. The DPW WPP is responsible for the development of new and augmented County stormwater programs, regulatory reporting, and program assessment.

[1] Actual funding sources may vary by fiscal year.

Program Element		Projected Funding Sources[1]	Description
2	DPR Administrative Activities	General fund	This group coordinates all training requirements, reviews reports, prepares reports, conducts inspections, manages budgets and oversees the overall implementation of the Stormwater Program for DPR.
2. Development Planning Component			
a. Land Use Planning			
3	PDS Advance Planning	General Fund	While stormwater is addressed in the General Plan Update and policy projects as appropriate; costs are spread amongst a myriad of other issues.
b. Environmental Review			
4	PDS Project Planning	Developer deposits and fees	This reflects PDS oversight review for CEQA inclusion.
c. Development Project Approval and Verification			
Private Projects			
5	DPW Private Development Review	Developer deposits and fees	This cost primarily covers plan reviews for permitted sites. Total costs are estimated as fixed percentages of annual plan-checking fees.
6	PDS Building		
Public Projects			
7	DPW Capital Improvements	Gas tax; Flood control fees; Airport enterprise fund; Transnet; Parks and Recreation; FHWA; Community development block grants; Prop 1B	Capital improvement costs include: preparing plan specifications and estimates for stormwater BMPs; BMP inspections during construction; implementation of construction phase BMPs
8	DPW Sanitary Sewer Capital Improvements	Sanitary district fees	Capital improvement costs include implementation of post-construction phase BMPs.
9	DPR Capital Improvements	General fund; County service area; Developer deposits and fees; Community development block grants	Capital improvement costs include: preparing and reviewing plans and specifications for stormwater BMPs; SWPPP/WPCP review and BMP compliance inspections during construction; implementation of construction phase BMPs and post-construction BMPs.

Program Element		Projected Funding Sources[1]	Description
10	DGS Capital Improvements	General fund	Costs associated with the DGS Capital Improvement Plans (capital and major maintenance projects) include: staff training/education; preparing plans, specifications and estimates for stormwater BMPs; and, implementation of post-construction BMPs.
3. Construction Component			
a. Private Projects			
11	DPW Private Development Inspection	Developer deposits and fees	This cost primarily covers construction inspections at permitted sites. Total costs are estimated as fixed percentages of annual plan-checking and inspection program fees.
12	PDS Building Inspection		
b. Public Projects			
13	DPW Capital Improvements	Gas tax; Flood control fees; Airport enterprise fund; Transnet; Parks and Recreation; FHWA; Community development block grants; Prop 1B	Capital improvement costs include: preparing plan specifications and estimates for stormwater BMPs; BMP inspections during construction; implementation of post-construction BMPs.
14	DPW Sanitary Sewer Capital Improvements	Sanitary district fees	Capital improvement costs include: preparing plan specifications, design, estimates, BMP inspections during construction, and implementation of construction BMPs.
15	DPR Capital Improvements	General fund; County service area; Developer deposits and fees; Community development block grants	Capital improvement costs include: preparing and reviewing plans and specifications for stormwater BMPs; SWPPP/WPCP review and BMP compliance inspections during construction; implementation of construction phase BMPs and post-construction BMPs.
16	DGS Capital Improvements	General fund	Costs associated with the DGS Capital Improvement Plans (capital and major maintenance projects) include BMP inspections and oversight during construction.

Program Element		Projected Funding Sources[1]	Description
5.0 Existing Development Component			
a. Industrial and Commercial Component			
29	DPW Watershed Protection Program	General fund	This group conducts inspections of commercial, and industrial facilities in the County Unincorporated area, responds to complaints, and conducts follow-up and enforcement of stormwater violations.
30	AWM Compliance and Enforcement	Registration and inspection fees	This group regulates the activities of several categories of high priority commercial facilities and activities, including nurseries and greenhouses, golf courses, cemeteries, agricultural and structural pest control businesses, , and botanical gardens. Specific activities conducted include: planning, inspections, investigations, outreach, compliance assistance enforcement activities, and reporting.
		General fund	
b. Municipal Component			
17	DPW Watershed Protection Program	General fund	This group inspects County owned and maintained facilities and provides guidance on compliance issues.
Streets, Roads, Highways, and Parking Facilities Element			
18	DPW Road Operations	Gas tax	Funded road operations activities include: culvert inspections and cleaning; increased culvert waste disposal costs; street sweeping; installation and maintenance of BMPs at road structures.
MS4 Element			
19	DPW Flood Control MS4 Maintenance Program	Flood Control Tax	This includes salary and benefits for staff to perform maintenance on a wide variety of flood control facilities throughout the County Unincorporated area. The cost also includes equipment such as vehicles and other mechanical devices needed for maintenance activities. Expenditures such as environmental permit fees, disposal fees, and contract work are included as well. The majority of the expenditures are spent on debris removal and vegetation management in natural bottom channels.

Program Element		Projected Funding Sources[1]	Description
20	DPW Flood Control	Flood control fees	This cost includes the conversion of existing concrete lined channels to natural bottom channels, and increased maintenance of flood control systems.
Solid Waste Facilities Element			
21	DPW Landfill Compliance	Environmental Trust Fund	These costs involve site inspections at inactive landfills, burn sites and buffer properties for BMP implementation. For landfills, the cost also includes sampling/chemical analyses of stormwater samples, annual reporting, and maintenance of BMPs.
Wastewater Facilities Element			
22	DPW Sanitary Sewer BMP Program	Sanitary district fees	This includes costs associated with operation and maintenance of the sanitary sewer system such as leak detection monitoring and replacement of high-risk sewer lines. It also includes the cost of inspecting wastewater treatment facilities and implementing and maintaining BMPs at those sites.
Road Stations Element			
23	Includes: Division 1 and Division 2 Stormwater Crews; Division 1 and Division 2 Headquarters, and; all individual road stations	Gas Tax	Funded road operations activities include installation and maintenance of BMPs at road station facilities, staff training, plan development and maintenance, and recordkeeping.
Fleet Maintenance Element			
24	DGS Fleet Maintenance	General Fund	Fleet oversees fuel sites and shops which includes the implementation of BMPs, inspections, sweeping, spill kits and training for DGS and DPW employees

Program Element		Projected Funding Sources[1]	Description
Municipal Airfields Element			
25	DPW Airport Compliance	Airport enterprise fund	These costs involve site inspections at airports and inactive landfills for BMP implementation. For landfills, the cost also includes sampling/chemical analyses of stormwater samples, annual reporting, and maintenance of BMPs.
Parks and Recreational Facilities Element			
26	DPR Facilities BMP Program	General fund County Service Area	This covers costs associated with implementation of BMPs at County parks.
Office Buildings and Other Municipal Facilities Element			
27	DGS Facilities BMP Program	General fund	The DGS Facilities Maintenance BMP Program conducts a variety of stormwater activities including: inspections and clean-up of County-owned, occupied, and leased facilities and vacant lands; maintenance and signage of storm drain inlet inserts and trash dumpsters; placement of inlet filters; maintenance of coverage and containment improvements for onsite supplies and materials; parking lot sweeping and controlled parking lot power washing; and application of erosion and sediment control measures.
Pesticides, Herbicides, and Fertilizer Management Element			
28	AWM Pesticide, Herbicide, and Fertilizer Management	General Fund Internal Agreements	The Integrated Pest Control Program within the AWM performs eradication and control of invasive weeds. This program also produces rodent bait and provides weed control on roadsides, airports, flood control channels, sewage treatment plants and inactive landfills. AWM also provides structural pest control to facilities owned and operated by the County.
c. Residential			
31	DPW Watershed Protection Program	General fund	This group coordinates and provides outreach to the residential sector and schoolchildren in support of Permit Section D.5 requirements.

Program Element		Projected Funding Sources[1]	Description
32	DPR Community Outreach	General fund	Funded activities include planning and conducting environmental outreach to schools, training teachers and students on water quality monitoring, leading students on hikes, and planning and conducting clean-up events.
33	DEH Community Outreach	Solid waste franchise fees	Funded activities include: planning and conducting HHW collection events, and overseeing operation of permanent HHW facilities; developing pollution prevention content and providing direct outreach to various target audiences including builders and developers; preparing maps and conducting GIS analysis of environmental data; and integrating water quality elements into environmental health programs.
34		Environmental health permit fees	
35	DPW Watershed Protection Program	General fund	This group conducts complaint investigations of residential sources in the County Unincorporated area, operates a regional hotline, and conducts follow-up and enforcement of stormwater violations.
36	DPR Compliance and Enforcement	General fund	DPR enforces stormwater requirements at County parks.
		County Service Area	
7. Illicit Discharge Detection and Elimination Component			
37	DPW Watershed Protection Program	General fund	This group is responsible for developing and conducting monitoring programs, assessing scientific data, and providing technical and scientific support to County program staff. This group also provides support for all technical and scientific aspects of development and implementation.

Table 10.2 – Overview of Watershed Program Costs and Funding Sources

Program Element	Funding Sources	Description
DPW Watershed Management	General fund	These costs are associated with the DPW Watershed Planning Section. This group is the County lead on most watershed-related activities and programs required under Permit Section E. It is responsible for watershed planning activities in the County, including the Water Quality Improvement Plans.
DPW Watershed Planning	General fund	These costs include the analysis of engineering-related watershed activities, assessment of watershed BMPs, and MS4 and sewer mapping by DPW staff.
DPW Watershed Structural BMPs	Grants	The County's watershed planning programs require the construction and maintenance of regional treatment BMPs. These devices will serve a wide area and address the water quality concerns of businesses, municipalities, and residences. These costs cover both the construction and maintenance of BMPs.

Table 10.3 – Overview of Regional Program Costs[2]

Regional Working Body
Program Planning Subcommittee (PPS)
Education and Residential Sources Workgroup
Monitoring Workgroup
Land Development Workgroup
CASQA Fees

[2] The County's funds only its proportional share of regional activities. This portion is funded exclusively through the County's General Fund.

11 EFFECTIVENESS ASSESSMENT COMPONENT 1

11.1 Introduction 1

11.2 Effectiveness Assessment Approach 1

Attachment 11.1 – Water Quality Improvement Plan Goals (April 2015)

11 EFFECTIVENESS ASSESSMENT COMPONENT

11.1 INTRODUCTION

The overall goal of the Effectiveness Assessment Component is to describe a strategy for assessing the County's urban runoff management activities. This strategy will address particular areas of activity for the Jurisdictional Runoff Management Program (JRMP) with an objective of supporting evaluation and periodic adaptation of Water Quality Improvement Plans (WQIPs).

11.2 EFFECTIVENESS ASSESSMENT APPROACH

JRMP components will be coordinated with WQIP targets and strategies during reporting and assessment to ensure that the objectives of each are mutually supportive. This will include the following general components:

- Receiving Water Monitoring and Assessment,
- MS4 Monitoring and Assessment,
- Development Planning Component (Section 3),
- Construction Component (Section 4),
- Existing Development Component (Section 5), and
- Illicit Discharge Detection and Elimination Component (Section 6).

Assessments of individual program components will include a variety of outcome types as applicable to the specific objectives of each, and as described in *A Strategic Approach to Planning for and Assessing the Effectiveness of Stormwater Programs* published by the California Stormwater Quality Association (CASQA) in February 2015. "Outcomes" are measurable endpoints associated with programs, people, and physical systems. They are the building blocks of the management approach described by CASQA. Outcomes establish the measurability and structure needed to successfully complete the various tasks conducted during the planning, implementation, and assessment of stormwater management programs. Because multiple outcomes must typically be considered when planning and assessing programs, it's helpful to place them within a logical and understandable context as described by CASQA. Figure 11.1 illustrates this framework, and provides general examples of the types of outcomes associated with each level.

As shown, outcomes are grouped according to six categories. Starting with Level 1 and moving sequentially toward Level 6, they represent a general progression of conditions that are assumed to be related in a sequence of causal relationships. That is, conditions at any one level may influence conditions at the next highest level. For example, knowledge and awareness (Level 2) in target audiences will likely influence their behaviors (Level 3). The County will use the general CASQA framework to guide the planning and assessment of its programs.

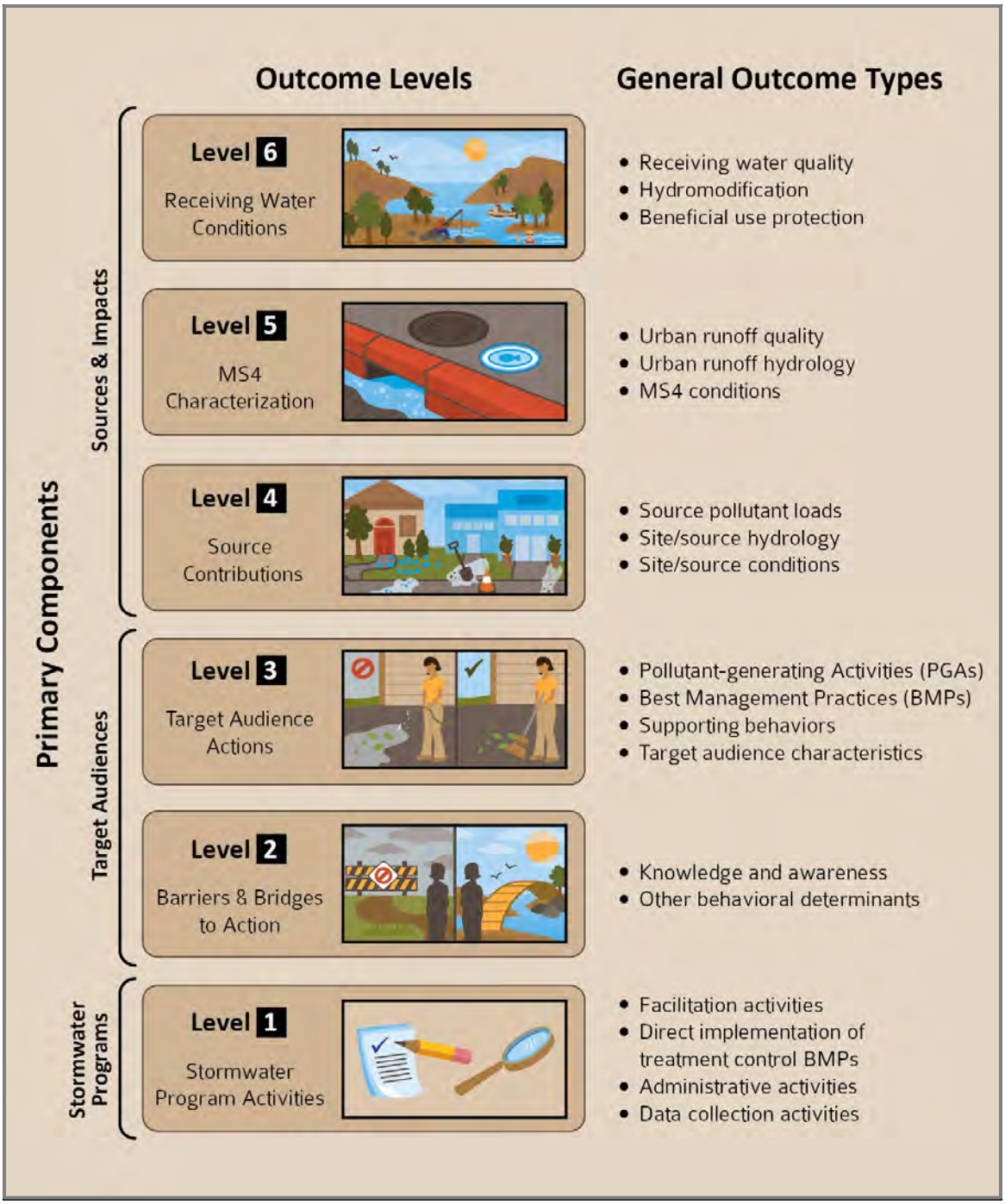


Figure 11.1: CASQA Outcome Levels and Examples (Source: A Strategic Approach to Planning for and Assessing the Effectiveness of Stormwater Programs, CASQA February 2015)

Monitoring programs typically apply to outcome levels 5 (MS4s) and 6 (receiving waters). Changes to the level 5 and 6 monitoring and assessment program will be described as applicable in WQIP Annual Reports. Changes in assessment requirements for JRMP elements will be identified as applicable to the Assessment Component of the JRMP or other implementing plans and reports.

Each WQIP identifies specific long-term goals for its respective Watershed Management Area (WMA). Interim WMA targets for the current MS4 Permit cycle (i.e., through FY 2017-18) are also identified. WQIP goals are typically established for receiving waters (level 6) and MS4s (level 5). These conditions are periodically assessed through the County's monitoring programs. Changes to monitoring programs will be described as applicable in WQIP Annual Reports. Assessment of identified source components occurs as part of the ongoing implementation and review of JRMP elements. As applicable, results of JRMP assessments will also be used to describe progress in meeting WQIP goals. Changes in assessment requirements for JRMP elements will be identified as applicable to the Assessment Component of the JRMP or other implementing plans. Collectively, each of these assessment elements will inform an iterative approach to adapt the WQIPs, monitoring and assessment programs, and JRMP to become more effective toward achieving compliance with the provisions of the MS4 Permit.

Attachment 11.1 identifies WQIP goals for each WMA. The term "dry weather flows" excludes groundwater, other exempt or permitted non-stormwater flows, and sanitary sewer overflows. The Carlsbad WMA's expressed numeric goal is only for the Escondido Creek Hydrologic Subarea (HSA). Other targeted outcomes have been identified in the San Marcos HSA. Refer to the current WQIPs for specific goal-related criteria.

Attachment 11.1 – Water Quality Improvement Plan Goals (April 2015)

Table 11-1.County of San Diego - WQIP Goals for all Watersheds (April 2015)

Watershed	Condition & Title	Metric	Baseline	Outcome	1st Permit Term Goal
San Luis Rey	Dry - Eliminate anthropogenic dry weather flows from storm drain outfalls	% reduction of flow volume or number of outfalls with persistent flows	To be established FY 15-16 using dry weather flow measurements	Effectively eliminate anthropogenic dry weather flow from storm drain outfalls to receiving water	Reduce by 20% the aggregate flow volume or the number of persistently flowing outfalls during dry weather
	Wet - Implement WQIP with focus on programmatic BMPs and use adaptive management to increase effectiveness	% bacterial load reduction	3,835 x 1012 MPN during Water Year 1993	Reduce baseline bacteria loads by 10% from storm drain outfalls to meet TMDL required load reductions	Implement programmatic (non-structural) BMPs to achieve reduction of bacteria loads from the storm drain outfalls
	Wet - Structural BMPs (as needed and as funding is available)	% bacterial load reduction for structural BMP implementation based on quantitative model	3,835 x 1012 MPN during Water Year 1993	Reduce baseline bacteria loads by 1.7% from storm drain outfalls to receiving water to meet TMDL required load reduction	Reduce bacteria load by 0.3% from distributed BMPs constructed between 2003 and 2009 during redevelopment
Carlsbad[1]	Dry - Effectively eliminate anthropogenic dry weather flows from storm drain outfalls	Effectively eliminate one outfall with persistent flow each permit term	Seven major storm drain outfalls with persistent flows in 2014	Effectively eliminate anthropogenic dry weather flow from major storm drain outfalls to receiving water	Effectively eliminate anthropogenic flows from one persistently flowing outfall
San Dieguito	Dry - Eliminate anthropogenic dry weather flows from storm drain outfalls	% reduction of flow volume or number of outfalls with flows mitigated from persistently flowing storm drain outfalls	To be established FY15-16 using dry weather flow measurements	Effectively eliminate anthropogenic dry weather flow from storm drain outfalls to receiving water	Reduce by 20% the aggregate flow volume or the number of persistently flowing outfalls during dry weather
	Wet - Implement WQIP with focus on programmatic BMPs and use adaptive management to increase effectiveness	% bacterial load reduction	TBD in FY 15-16 in MPN/yr from TMDL model	Reduce baseline bacteria loads by 7.7% from storm drain outfalls to meet TMDL required load reductions	Implement programmatic (non-structural) BMPs to achieve source reduction of bacteria loads from the storm drain outfalls
	Wet - Structural BMPs (Optional: as needed and as funding is available)	% bacterial load reduction	TBD in FY 15-16 in MPN/yr from TMDL model	Reduce baseline bacteria loads from storm drain outfalls to receiving water if needed to meet TMDL required load reduction	Reduce by TBD in FY 15-16 % bacteria load from distributed BMPs constructed between 2003 and 2009 during redevelopment

[1] Goal applicable only for the Escondido Creek HSA. See the Carlsbad WMA WQIP for additional goals.

Watershed	Condition & Title	Metric	Baseline	Outcome	1st Permit Term Goal
Los Penasquitos	Dry - Effectively eliminate anthropogenic dry weather flows from storm drain outfalls	Routine observations of storm drain outfalls to verify the absence of discharge to receiving water	Verify the absence of flow from storm drain outfalls in 2014 & 2015	Effectively eliminate anthropogenic dry weather flow from storm drain outfalls to receiving water.	Verify the effective elimination of anthropogenic dry weather flow from storm drain outfalls and use programmatic approaches to maintain compliance
	Wet - Implement WQIP with focus on programmatic BMPs and use adaptive management to increase effectiveness	% bacterial load reduction.	TBD in FY15-16 using TMDL model	Reduce baseline bacteria loads by 2% from storm drain outfalls to meet TMDL required load reductions.	Implement programmatic (non-structural) BMPs to achieve source reduction of bacteria loads from the storm drain outfalls
		% Sediment load reduction or verify allowable tons of sediment per year is met for the County's jurisdiction in Los Penasquitos WMA	83.6 tons/yr using 2003 water year	43.9 tons/yr 47.6% reduction of baseline loads or verify allowed loads of 39.7 tons/yr is met in 2034	Implement programmatic (non-structural) BMPs to achieve reduction of sediment loads from the storm drain outfalls.
	Restoration of Lagoon (as needed and as funding is available)	Restoration of 346 acres of Saltmarsh	262 acres of tidal/non-tidal salt marsh	Restoration of 346 acres of tidal/non-tidal saltmarsh	Coordinate with watershed partners to determine restoration goals and establish monitoring protocols, as applicable.
San Diego River	Dry - Eliminate anthropogenic dry weather flows (1) from storm drain outfalls	% reduction of flow volume or number of outfalls with persistent flows	To be established FY 15-16 using dry weather flow measurements.	Effectively eliminate anthropogenic dry weather flow from storm drain outfalls to receiving water.	Reduce by 20 % the aggregate flow volume or the number of persistently flowing outfalls.
	Wet - Implement WQIP with focus on programmatic BMPs and use adaptive management to increase effectiveness	% bacterial load reduction	1,727 x 1012 MPN during Water Year 2003	Reduce baseline bacteria loads by 10 % from storm drain outfalls to meet TMDL required load reductions.	Implement programmatic (non-structural) BMPs to achieve source reduction of bacteria loads from the storm drain outfalls.
	Wet - Structural BMPs (as needed and as funding is available)	% bacterial load reduction based on quantitative model	1,727 x 1012 MPN during Water Year 2003	Reduce baseline bacteria loads by 24.7% from storm drain outfalls to receiving water to meet TMDL required load reductions.	Reduce by 1% the baseline bacteria loads from distributed BMPs constructed between 2003 and 2009 during redevelopment.

Watershed	Condition & Title	Metric	Baseline	Outcome	1st Permit Term Goal
San Diego Bay	Wet - County Facility Retrofits for Reduction in Bacteria and Metals			Retain and treat parking lot runoff to a biofiltration basin and redirect roof downspouts to pervious area (Central Regional Public Health Center retrofitted)	Treat 20,000 square feet of parking lot runoff through Installation of Pervious Pavement Over Infiltration Basin (Southeast Family Resource Center retrofitted)
	Dry - Effectively eliminate anthropogenic dry weather flows from storm drain outfalls.	Measured by % reduction of flow volume or number of outfalls with persistent flows	To be established FY 15-16 using dry weather flow measurements		Reduce by 20% the aggregate flow volume or the number of persistently flowing outfalls during dry weather.
Tijuana	Wet - Implement WQIP with focus on programmatic BMPs and use adaptive management to update strategies to increase effectiveness	% Reduction of Total Suspended Solids (TSS) reduction. TSS is being used as a surrogate for sediment.	294 mg/L of TSS	Reduce baseline TSS loads by 20% (235 mg/L)	(up to 5% FY18) Implement programmatic (non-structural) BMPs to achieve source reduction of TSS loads from major storm drain outfalls.

12.0 MODIFICATIONS TO THE JRMP

Since this document is intended as a comprehensive update to the Jurisdictional Runoff Management Program (JRMP) revised by the County of San Diego (County) in 2010, it goes beyond the types of incremental change that can be summarized in a concise way. Explanations of previous JRMP modifications are spread throughout several annual reports and previous versions of the JRMP. The interested reader is referred to the individual sections of this updated JRMP, where there are clear descriptions of how the County's proposed activities, programs, and approaches comply with the minimum requirements of the new Permit.

13.0 CONCLUSIONS AND RECOMMENDATIONS

Based on experience gained through implementing programs as required by the previous Municipal Separate Storm Sewer System (MS4) Permit, the County of San Diego (County) has updated its Jurisdictional Runoff Management Program (JRMP) to both improve stormwater programs and to meet the new requirements. Under the new Permit, the County has revised a number of programs and developed new ones to improve departmental communications and provide interdepartmental structure. The County will continually assess and refine these programs as needed to meet an ever expanding infrastructure and to protect the environment and human health. By continually improving programs and implementing all necessary Best Management Practices (BMPs), the County can effectively reduce or eliminate pollutant runoff from the areas and activities discussed in this JRMP document. The County will continue to collaborate with other jurisdictions to develop methods to foster and assess long-term success in regional water quality improvement.

PRIVATE TREATMENT CONTROL BMP
OPERATION AND MAINTENANCE VERIFICATION FORM

BIOFILTERS

1. Transcribe the following information from your notification letter and make corrections as necessary:

Permit No.: _____

BMP Location: _____

Responsible Party: _____

Phone Number: ( ) _____ ☐ *Check here for Phone Number Change*

Responsible Party Address: _____
Number Street Name & Suffix City/Zip

☐ *Check here for Address Change*

2. Using the Table below, please describe the inspections and maintenance activities that have been conducted during the last year, and date(s) maintenance was performed. Under "Results of Inspection," indicate whether maintenance was required based on each inspection, and if so, what type of maintenance. If maintenance was required, provide the date maintenance was conducted and description of the maintenance. Refer to the back of this sheet for information describing typical maintenance indicators and maintenance activities. If no maintenance was required based on the inspection results, state "no maintenance required."

Date of Inspection	Results of Inspection	Date Maintenance Completed and Description of Maintenance Conducted

3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records).

4. Sign the bottom of the form and return to: *County of San Diego Watershed Protection Program*
Treatment Control BMP Tracking
5510 Overland Ave, Suite 410
San Diego, CA 92123