

TITLE V OPERATING PERMIT STATEMENT OF BASIS

Facility Name: Minnesota Methane – Miramar, SD

Title V Application Number: APCD2010-APP-001216

Title V Permit Number: APCD2000-PTO-971535

Facility ID: APCD1996-SITE-09778

Equipment Address: 5244 Convoy St, San Diego, CA 92111

Facility Contact: Suparna Chakladar
Contact Phone: (951) 833-4153

Permit Engineer: Melissa Adams
Date Completed: 4/9/14

Senior Engineer: Doug Erwin
Date Reviewed: 4/9/14

1. Purpose/Introduction

The purpose of this statement of basis is to renew a Title V permit for eight landfill gas and natural gas fired cogeneration IC engines and to incorporate two additional engines as a significant modification.

The Title V permit was last renewed March 20, 2006.

The two new engines, APCD2013-PTO-001632 and APCD2013-PTO-001633, will together emit 154.8 tons/yr of CO. The District previously determined that there were no contemporaneous emission increases or decreases. Although the increase in CO emissions for this project exceeds the applicable PSD Modification threshold of 100 tons/yr, this modification is not a PSD Modification because the source must be, but is not, an existing PSD Stationary Source in accordance with District Rules 20.1 and 20.3. This determination mirrors the federal PSD program except for the different terminology used in District Rules. The addition of the two engines is a significant modification for Title V because it adds emission units and emissions which are not covered by the former permit.

2. Permit Description

Permit #	Description
APCD2006-PTO-950731	COGENERATION PLANT CONSISTING OF FOUR ENGINE-GENERATOR SETS, EACH FORMED BY TWO IDENTICAL ENGINES DRIVING A GENERATOR. CATERPILLAR ENGINES, MODEL G3516SITA, EACH ENGINE RATED AT 1138 BHP, EQUIPPED WITH TURBO-CHARGER, LEAN BURN, AIR/FUEL RATIO CONTROLLER; FUELED WITH LANDFILL GAS AND DIGESTER GAS, WITH NATURAL GAS AS SUPPLEMENTAL FUEL. THE FOUR ENGINE-GENERATOR SETS ARE IDENTIFIED BY THE FOLLOWING SERIAL NUMBERS: ENGINE 1: 4EK01052, ENGINE 2: 4EK01055, GENERATOR: MM00509 AT 1600 KW ENGINE 3: 4EK01628, ENGINE 4: 4EK01194, GENERATOR: 12389-02 AT 1900 KW ENGINE 5: 4EK01196, ENGINE 6: 4EKO1195, GENERATOR: 12389-03 AT 1900 KW ENGINE 7: 4EK01192, ENGINE 8: 4EK01193, GENERATOR: 12321-05 AT 1900 KW
APCD2013-PTO-001632	ENGINE #1: CATERPILLAR, MODEL 3520, 2233 BHP, LANDFILL GAS FIRED, LEAN BURN, TURBOCHARGED, AFTERCOOLED, S/N GZJ00529; WITH AN AIR/FUEL RATIO CONTROLLER.
APCD2013-PTO-001633	ENGINE #2: CATERPILLAR, MODEL 3520, 2233 BHP, LANDFILL GAS FIRED, LEAN BURN, TURBOCHARGED, AFTERCOOLED, S/N GZJ00528; WITH AN AIR/FUEL RATIO CONTROLLER.

3. Facility Description

The engines are fueled on landfill gas from the Miramar Landfill. The existing cogeneration plant consists of eight engines, each rated at 1138 bhp. Two additional engines, each rated at 2233 bhp will be added with this application.

The air quality focus for this facility is the emissions of criteria pollutants from the engine exhaust. Based on District Rule 1200, toxic pollutants have been evaluated as well. For this Title V review, prior evaluations and particularly detailed quantification in order to determine rule applicability will be summarized. Additional considerations specific to Title V, notably monitoring, record keeping and reporting, are included here.

4. Primary Federal Applicability Determination

Rule 1401 - Title V Applicability

Rule 1412 - Title IV (Acid Rain) Applicability

4.1 Site Emissions and Title V Applicability:

The following Table 1 summarizes emissions from this facility, while Table 2 compares these emissions to major source permitting thresholds under Title V of the CAA. Based on the emissions comparison of Table 2, the facility is a major stationary source under District Rule 1401 for carbon monoxide.

Emissions Summary

Table 1 – Emissions Summary	
Pollutant	ton/year
Criteria Pollutants	
The following emissions are calculated potential emissions for the 8 existing engines and the 2 new engines, 001632 and 001633.	
NO _x	127
VOC	70
PM10	22
SO ₂	7
CO	384

Table 2 - Major Source Thresholds & Emissions (tons/yr)			
Pollutant	Thresholds	Emissions	Major Source
Single Federal HAP (hydrogen chloride)	10	6.0	No
Combined Federal HAPs	25	6.5	No
NO _x	100	127	Yes
VOC	100	70	No
PM10	100	22	No
SO ₂	100	7	No
CO	100	384	Yes

Given the above actual emissions, the facility is a major source for CO and NO_x. This facility is therefore subject to the Operating Permit requirements of Title V of the federal Clean Air Act (codified at Part 70 of Title 40 of the Code of Federal Regulations (CFR)) and San Diego Regulation XIV, which incorporates the provisions of this federal program.

4.2 Title IV (Acid Rain) Applicability:

Title IV of the CAA, codified at 40 CFR §72.6 states that specified ‘utility units’ are subject to acid rain provisions. Per 40 CFR 72.2, a ‘‘utility unit’’ is a fossil fuel-fired combustion device that serves a generator in any State, and that produces electricity for

sale. Because these engines are fired on landfill gas and not fossil fuel, they are not utility units. Title IV does not apply.

5. Summary of Applicable Requirements

Regulation	Rule Citation	Title
SDAPCD Reg. II	10	Permits Required
SDAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDAPCD Reg. II	19.3	Emission Information
SDAPCD Reg. II	21	Permit Conditions
SDAPCD Reg. IV	60	Circumvention
SDAPCD Reg. V	98	Breakdown Conditions: Emergency Variance

Emission unit specific applicable requirements

Regulation	Rule Citation	Title
SDAPCD Reg. II	10(a)	Permits Required – (a) Authority to Construct
SDAPCD Reg. II	10(b)	Permits Required – (b) Permit to Operate
SDAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDAPCD Reg. II	19.3	Emission Information
SDAPCD Reg. II	20.3	New Source Review
SDAPCD Reg. II	21	Permit Conditions
SDAPCD Reg. IV	50	Visible Emissions
SDAPCD Reg. IV	51	Nuisance
SDAPCD Reg. IV	52	Particulate Matter
SDAPCD Reg. IV	53	Specific Contaminants
SDAPCD Reg. IV	59	Control of Waste Disposal – Site Emissions
SDAPCD Reg. IV	62	Sulfur Content of Fuels
SDAPCD Reg. IV	69.4	Stationary Reciprocating Internal Combustion Engines - RACT
SDAPCD Reg. IV	69.4.1	Stationary Reciprocating Internal Combustion Engines - BARCT
SDAPCD Reg. XII	1200	Toxic Air Contaminants – New Source Review
SDAPCD Reg. II	20.3	NSR – major Stationary Source and PSD Stationary Source (Version 11/4/98)(not in SIP)
NPS	40 CFR Part 60, Subpart WWW	40 CFR Part 60, Subpart WWW – Standards of Performance for Municipal Solid Waste Facilities

NSPS	40 CFR Part 60, Subpart JJJJ	40 CFR Part 60, Subpart JJJJ – Standards of Performance for Spark Ignition Internal Combustion Engines
NESHAPS	40 CFR Part 63, Subpart ZZZZ	NESHAPS Stationary Reciprocating Internal Combustions Engines

As given above, the requirements from each listed rule are incorporated into the District and Title V permits accordingly. In some cases, a requirement may be “subsumed” by another, more stringent requirement. Because this does not eliminate applicability of the less stringent requirement, this report endeavors to state clearly those connections between multiple rules where compliance is accomplished through adherence to the most stringent requirement.

6. Applicability of Federal Requirements

NSPS Subpart WWW applicability

The provisions of this subpart apply to each municipal solid waste landfill that commenced construction, reconstruction or modification on or after May 30, 1991. The Miramar landfill commenced construction after 1993, and is therefore subject to subpart WWW. The engines must comply with any applicable parts of WWW. An April 22, 2004 letter from the EPA indicates that an engine burning treated gas does not have to comply with the requirement to reduce NMOC by 98 weight-percent or the 20 ppmv NMOC outlet concentration requirements of section 60.752(b)(2)(iii)(C). The engines burn gas that is “treated” by the EPA letter definition. Conditions covering the applicable requirements of this subpart are on the engine permits. In particular, a permit condition specifying compliance with 60.753(e) (venting to a control system) is on the engine permits.

NSPS Subpart JJJJ applicability for 1138 BHP existing engines: The provisions of this subpart apply to owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured on or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP. The 1138 BHP engines were manufactured prior to January 1, 2008, and are therefore not subject to this subpart.

NSPS Subpart JJJJ applicability for 2233 BHP new engines : The provisions of this subpart apply to owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured on or after January 1, 2007, for lean burn engines with a maximum engine power greater than or equal to 500 HP. Owners and operators of stationary SI ICE (spark ignition IC engines) >100 HP must comply with the emission standards in Table 1 of this subpart. The Table 1 emission limits in g/bhp-hr are NO_x = 3.0; CO = 5.0; and VOC = 1.0. The manufacturer’s guaranteed emission factors are below these standards. BACT limits for NO_x and VOC are below these standards. CO emissions are limited to less than this

standard. Subpart JJJJ emission limits are subsumed under NSR emission limits in the permit conditions.

NESHAPS Subpart ZZZZ applicability for 1138 BHP existing engines:

A RICE (reciprocating internal combustion engine) operated at an area source of HAP (hazardous air pollutant) emissions is subject to the subpart. The engines do not form a HAP major source. Since the engines are not located at a major source of HAP emissions, they do not enjoy exemption from Subpart ZZZZ requirements pursuant to section 63.6590(b)(3)(v). Permit conditions have been added to the engine permit requiring compliance with subpart ZZZZ.

NESHAPS Subpart ZZZZ applicability for 2233 BHP new engines:

Pursuant to 63.6590(c)(1), a new or reconstructed RICE (reciprocating internal combustion engine) operated at an area source of HAP (hazardous air pollutant) emissions must meet the requirements of ZZZZ by meeting the requirements of 40 CFR part 60 Subpart JJJJ for spark ignited engines. No other ZZZZ requirements apply. No permit conditions are present specifically for subpart JJJJ emission limit compliance, since the requirements are subsumed, as discussed above.

7. Monitoring, Record-keeping and Reporting

District and Federal Monitoring Requirements:

The sulfur content of the fuel is required to be measured pursuant to SO_x limits. The engines are required to be equipped with air to fuel ratio controllers and oxygen sensors. In addition to monitoring requirements, annual source testing is required for NO_x, CO, and NMHC.

40 CFR Part 64 – Compliance Assurance Monitoring:

Compliance Assurance Monitoring (CAM) Applicability was considered pursuant to 40 CFR Part 64. The engines are not subject to CAM pursuant to 40 CFR § 64.2(a)(1), since no control device is present. In addition, the individual engines do not emit an amount greater than the major source thresholds, a requirement for applicability given in §64.2(a)(2).

District and Federal Recordkeeping Requirements:

The facility is required by NSR to keep records of fuel use.
The facility is required by NSPS JJJJ to keep records of maintenance for the two new engines.
The facility is required by Rule 69.4.1 to keep records of maintenance for the engines and any add-on control equipment.
The above information is to be kept in an operating log.

Federal Reporting Requirements:

The facility is required by Title V to report deviations from permit conditions on a semiannual basis.

8. Permit Streamlining

The applicant requested streamlining for 40 CFR Part 60 Subpart WWW for monitoring, recordkeeping and reporting requirements pursuant to an April 22, 2004 letter from the EPA which indicates that an engine burning treated gas does not have to comply with the requirement to reduce NMOC by 98 weight-percent or the 20 ppmv NMOC outlet concentration requirements of NSPS Subpart WWW, section 60.752(b)(2)(iii)(C). The subject conditions were removed in a previous renewal. No further action is required.

9. Outside Review

In accordance with District Rule 1415, the District will provide notice to the public and notice to the Environmental Protection Agency Region 9.

10. Conclusions / Recommendations

The source is expected to comply with all applicable requirements including those cited in the current District permit as well as those under District Rule 1401 and Title V. Therefore, the recommendation of this report is for the subject renewal Title V permit and significant modification to be issued following public notice and EPA review.

11. Attachments

EPA Letter of 4-22-04

E-mail describing stationary source

Existing Engines Application Forms

Form 1401-A1 Stationary Source Summary

Form 1401-A2 Stationary Source Summary

Form 1401-G Insignificant Activity List

Form 1401-H1 Applicable Requirements Summary Checklist

Form 1401-H2 List of Permits by Equipment Category

Form 1401-I Certification Statement

Form 1401-K Compliance Certification Schedule

Form 1401-M Abatement Devices
Form 1401-O Multiple Applicable Permit Requirements Streamlining

New Engines Application Forms

Form 1401-A1 Stationary Source Summary
Form 1401-A2 Stationary Source Summary
Form 1401-G Insignificant Activity List
Form 1401-H1 Applicable Requirements Summary Checklist
Form 1401-H2 List of Permits by Equipment Category
Form 1401-I Certification Statement
Form 1401-K Compliance Certification Schedule
Form 1401-M Abatement Devices

Title V Permit

DRAFT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

APR 22 2004

CERTIFIED MAIL NO.: 7003 1680 0002 6627 3647
RETURN RECEIPT REQUESTED

Alta Stengel
Senior Air Pollution Control Engineer
San Diego Air Pollution Control District
9150 Chesapeake Drive
San Diego, Ca 92123-1096

Re: Minnesota Methane

Dear Ms. Stengel:

The United States Environmental Protection Agency (EPA) received your letter dated March 17, 2004 regarding New Source Performance Standard ("NSPS") Subpart WWW applicability to internal combustion ("IC") engines and boilers connected to the Miramar Landfill Gas ("LFG") Treatment system and North City LFG system.

EPA has issued several determinations indicating that compression, de-watering, and landfill gas filtered down to at least 10 microns for use in an energy recovery device is considered treatment for the purposes of 60.752(b)(2)(iii)(C). In accordance with those previous determinations, Region 9 concurs with the statement in your draft letter dated March 16, 2004 that "landfill gas treated in this (compression, de-watering, and filtering landfill gas down to at least 10 microns for use in an energy recovery device) manner is not subject to the requirements of Subpart WWW or 40 CFR Part 63 Subpart AAAA- National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Municipal Solid Waste (MSW) Landfills."

Sincerely,

Douglas K. McDaniel
Acting Chief, Air Enforcement

FORM 88 (7-00)	
X TRANSMITTAL	# of pages = 1
A STENGEL	From: MATE SALAZAR
SDAPCD	Phone # 415-722-3982
58.650.4658	Fax # 415 947 3579
GENERAL SERVICES ADMINISTRATION	

Adams, Melissa

From: Adams, Melissa
Sent: Friday, June 07, 2013 2:08 PM
To: 'Suparna Chakladar'
Cc: Weeks, Tom; Erwin, Douglas; Fox, Virginia
Subject: Fee Estimate for Significant Modification for Minnesota Methane Miramar
Attachments: Fee Estimate Significant Modification Miramar.pdf

Suparna

We received notification in a letter and application dated May 15, 2013 that Minnesota Methane Miramar would like to incorporate the engines listed below into a Title V permit.

APCD2010-APP-001013

APCD2010-APP-001014

The District plans to add the engines to the current Title V Permit 971535, since the engines are part of the same stationary source as the existing 8 engines already at the site under Title V permit 971535.

The addition of the engines represents a significant modification, and will require public notice and 45 day EPA review. Payment of the attached fee estimate is required before processing can commence on the application.

Regards,
Melissa

Melissa W. Adams
Air Pollution Control Engineer
San Diego Air Pollution Control District
(858)586-2704
(858)586-2801 FAX
Melissa.adams@sdcounty.ca.gov

FORTISTAR Methane Group

MM San Diego LLC

North City Plant

4949 Eastgate Mall Road ♦ San Diego, California 92121-2820

Tel. (858) 677-9265 ♦ Fax. (858) 677-9290

June 28, 2010

Mr. Stan Romalczyk
Air Pollution Control District
County of San Diego
10124 Old Grove Road
San Diego, CA 92131-1649

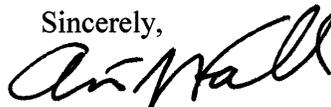
Re: San Diego APCD Permit No. 975482
Minnesota Methane LLC. – North City Landfill

Dear Mr. Romalczyk:

Enclosed is the Title V Permit Renewal application for the North City landfill gas-to-energy site located at 4949 Eastgate Mall Road and owned by MM San Diego LLC. Only the application forms with changes are included in this submittal. Per your instruction a check for the renewal fee in the amount of \$5,108.00 is enclosed.

Please direct all questions regarding this submittal to Suparna Chakladar at (951) 833-4153.

Sincerely,



Anthony J. Falbo
Vice President and General Manager
FORTISTAR Methane Group
MM San Diego LLC

Enclosures

cc: Suparna Chakladar, FMG
Bryan Lawrence, FMG

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A1)

Company Name _____	District Use Only NEDS # _____ SITE ID # _____
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I. FACILITY IDENTIFICATION

1. Facility Name (if different than company name): MM San Diego LLC - North City
2. Four digit SIC Code: 4911
3. Parent Company (if different than Company Name): _____
4. Mailing Address: 5087 Junction Road
City Lockport State NY Zip 14094
5. Street Address or Source Location: 4949 Eastgate Mall Road
City San Diego State CA Zip 92131
6. UTM Coordinates: _____
7. Source Located within 50 miles of a state line: Yes No (All sources **are** within 50 miles)
8. Source Located within 1000 feet of a school: Yes No
9. Type of Organization: Corporation Sole Ownership Government
 Partnership Utility Company
10. Legal Owner's Name: MM San Diego LLC
11. Owner's Agent name (if any): _____
12. Responsible Official: Anthony J. Falbo
13. Plant Site Manager/Contact: Bryan Lawrence Phone #: 949-355-5230 FAX #: 866-683-9459
14. Application Contact: Suparna Chakladar
15. Type of Facility: Landfill Gas to Energy Facility
16. General description of processes/products: Landfill gas combined with digester gas is combusted in 4 internal combustion engines which drive 4 generators. Natural gas is combusted as a supplemental fuel.
17. Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? Yes No
(If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input type="checkbox"/> Initial Title V Application	N/A	N/A
<input checked="" type="checkbox"/> Permit Renewal	975482	March 20, 2011
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

<input type="checkbox"/> Acid Rain Source	<input type="checkbox"/> Alternative Operating Scenarios	<input type="checkbox"/> Voluntary Emissions Caps
<input type="checkbox"/> CEMs	<input type="checkbox"/> Permit Shield	<input type="checkbox"/> Abatement Devices
<input type="checkbox"/> Outdated SIP Requirement Streamlining	<input type="checkbox"/> Multiple Applicable Requirement Streamlining	
<input type="checkbox"/> Source Subject to MACT Requirements [Section 112]		
<input type="checkbox"/> Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]		
2. Is source operating under a Compliance Schedule? Yes No Proposed
3. Is source operating under a Variance Yes No (If Yes, please attach variance information)
4. For permit modification, provide a general description of the proposed permit modification:

IV. SUPPLEMENTAL ATTACHMENTS*: _____

* Means all attachments to the complete application.

**San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A2)**

Company Name	District Use Only
<u>MM San Diego LLC - North City</u>	NEDS # _____ SITE ID # _____

I. MAJOR SOURCE APPLICABILITY

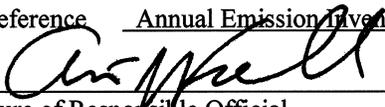
Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. If more space is necessary, use additional forms. Please type or print legibly.

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	<input type="checkbox"/>
PM ₁₀	100	<input type="checkbox"/>
SO ₂	100	<input type="checkbox"/>
NO _x	100	<input checked="" type="checkbox"/>
CO	100	<input checked="" type="checkbox"/>
ODC	100	<input type="checkbox"/>
LEAD COMPOUNDS	10	<input type="checkbox"/>
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
COMBINATION HAP	25	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference Annual Emission Inventory

Inventory Year 2009



Signature of Responsible Official

6-28-10

Date

ANTHONY J. FALBO

Print Name of Responsible Official

(716) 439-1004

Telephone No. of Responsible Official

VICE PROJECT and GENERAL MANAGER

Title of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed) Yes No

DISTRICT USE ONLY

Date Application Received: _____	Application # <u>APCD2010-APP-001216</u>
Application Filing Fee: _____	District Received Stamp: _____
Receipt #: _____	Fee Code: _____

**San Diego County Air Pollution Control District
10124 Old Grove Rd., San Diego, CA 92131
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)**

<p style="text-align: center;">Company Name</p> <p>MM San Diego LLC – North City</p> <hr/> <p>Facility Address: 4949 Eastgate Mall Road, San Diego, CA 92121</p>	<p style="text-align: center;">District Use Only</p> <p>NEDS # _____</p> <p>SITE ID # _____</p>
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LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
<input type="checkbox"/> Stationary gas turbines with a power rating of < 0.3 megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
<input type="checkbox"/> Water cooling towers & ponds with a capacity < 10,000 gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of < 450 in ³ of any molten metal	(d)(12)
<input type="checkbox"/> Crucible, pot or induction furnaces with a capacity of ≤ 2500 in ³ , in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
<input type="checkbox"/> Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
<input type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft ³	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of ≤ 27 ft ³ in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft ²	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

Continued - Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary organic compound storage tanks with a capacity of ≤ 250 gallons	(e)(1)
<input type="checkbox"/> Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of \leq eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
<input type="checkbox"/> Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
<input type="checkbox"/> Metal inspection tanks that: a) do not utilize a suspension of magnetic or fluorescent dye particles in volatile organic solvent, and b) have a liquid surface area $< 5 \text{ ft}^2$ and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
<input type="checkbox"/> Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is < 2 million Btu/hr	(o)(37)

Exemptions based on Production Rates (Emission Limits)

<input type="checkbox"/> Printing or graphic arts presses located at a stationary source which emits a total of < 15 lbs/day of VOC's subject to Rule 67.16, on each day of operation	(d)(7)
<input type="checkbox"/> Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
<input type="checkbox"/> Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
<input type="checkbox"/> Coffee roasting equipment with a manufacturer's rating of ≤ 15 lbs/hr	(d)(45)
<input type="checkbox"/> Equipment used to manufacture bio-agricultural products for exclusive use in field testing required to obtain FDA, EPA, USDA and /or Cal-EPA approval, provided the uncontrolled emissions of VOCs from all such operations < 5 ton/yr.	(d)(49)(iii)
<input type="checkbox"/> Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
<input type="checkbox"/> Equipment that is used to conduct research and develop new or improved processes/products, and is operated by technically trained personnel under the supervision of a research director, and is not used in the manufacture of products for sale or exchange for commercial profit, and all emissions are < 15 lbs/day.	(d)(48)
<input type="checkbox"/> Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
<input type="checkbox"/> Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers $< 60,000$ gal/yr.	(f)(2)
<input checked="" type="checkbox"/> Stationary storage tanks (excluding tanks subject to Rule 61.9) used exclusively for the storage of liquid organic solvents used as dissolvers, viscosity reducers, reactants, extractants, cleaning agents or thinners provided that emissions < 15 lbs/day.	(e)(3)
<input type="checkbox"/> Liquid surface coating or adhesive application operations (portable or stationary) where not more than 20 gallons per year of material containing organic compounds are applied	(h)(1)
<input type="checkbox"/> Liquid surface coating application operations exclusively using materials with a VOC content of < 20 g/L where < 30 gal/day of such materials are applied.	(h)(2)
<input type="checkbox"/> Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
<input type="checkbox"/> Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
<input type="checkbox"/> Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
<input type="checkbox"/> Cold solvent degreasers used for educational purpose and which emit < 5 lbs/day of VOCs	(i)(4)

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

- Golf grip application stations which exclusively use liquid materials with an initial boiling point of 450°F (232°C), or greater and which emit < 5 lbs/day of VOCs. (i)(5)
- Batch-type waste-solvent recovery stills with batch capacity of ≤ 7.5 gallons for onsite recovery provided the still is equipped with a safety device & VOC emissions are < 5 lbs/day (i)(6)
- Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs (i)(7)
- Equipment used for washing or drying articles fabricated from metal, cloth, fabric or glass, provided that no organic solvent is employed in the process and that no oil or solid fuel is burned and none of the products being cleaned has residues of organic solvent and VOC emissions are <5 lbs/day (i)(8)
- Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs. (i)(9)
- Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs. (o)(9)
- Any operation producing materials for use in cosmetic or pharmaceutical products and/or manufacturing cosmetic or pharmaceutical products by chemical processes, which emit < 15 lbs/day of VOCs (o)(12)
- Refrigeration units except those used as, or with, air pollution control equipment with a charge of < 50 lbs of a Class I or II ozone depleting compound. (o)(18)
- Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr (o)(28)
- Aerosol can puncturing/crushing operations which vents all emissions through a properly operated/maintained carbon canister, provided < 500 cans/day are processed. (o)(29)(ii)
- Solvent wipe cleaning operations using a container applicator that minimizes emissions to the air where the uncontrolled emissions of VOCs < 5 ton/yr, or the total purchase of solvents < 1,500 gal/yr, or the total purchase of solvents containing a single HAP < 350 gal/yr. (o)(32)
- Equipment approved for use by the EPA for recovering and/or recycling CFCs provided such equipment is charged with < 50 lbs. of a Class I or II ozone depleting compound. (o)(33)
- Stationary IC engines rated at ≤ 200 bhp installed and operated before November 15, 2000, which operate < 200 hr/yr. (o)(34)(ii)

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1)

Company Name MM San Diego LLC. - North City	District Use Only NEDS # _____ SITE ID # _____
--	--

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Reports, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4											Future Effective Date
Facility Applicable Requirement Description																			
10(a)	Permits Required – (a) Authority to Construct																		
10(b)	Permits Required – (b) Permit to Operate				x	x	x	x											
19	Provision of Sampling & Testing Facilities				x	x	x	x											
19.2	Continuous Emission Monitoring Requirements																		
19.3	Emission Information				x	x	x	x											
NSR	New Source Review				x	x	x	x											
PSD	Prevention of Significant Deterioration																		
21	Permit Conditions				x	x	x	x											
50	Visible Emissions				x	x	x	x											
51	Nuisance				x	x	x	x											
60	Circumvention				x														
67.0	Architectural Coatings	(g)																	
67.17	Storage of Materials Containing VOC	(e)			x														
71	Abrasive Blasting																		
98	Breakdown Conditions: Emergency Variance																		
101	Burning Control																		
131	Stationary Source Curtailment Plan																		
132	Traffic Abatement Plan																		

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4							Future Effective Date
Equipment Specific Applicable Requirement Description															
50	Visible Emissions				x	x	x	x							
51	Nuisance				x	x	x	x							
52	Particulate Matter	Method 5													
53	Specific Contaminants	Method 5			x	x	x	x							
53.1	Scavenger Plants														
54	Dust and Fumes	Method 5													
58	Incinerator Burning														
59	Control of Waste Disposal – Site Emissions	(e)	(e) & (f)	x											
60	Circumvention														
61.1	Receiving & Storing VOCs at Bulk Plants & Terminals	(d)	(c)(7)												
61.2	Transfer of VOCs into Mobil Transport Tanks	(c)(10)													
61.3	Transfer of VOCs into Stationary Storage Tanks		(c)(2)(iii)												
61.4	Transfer of VOCs into Vehicle Fuel Tanks														
61.5	Visible Emissions Standards for Vapor Control Equip.		VE												
61.7	Spillage & Leakage of VOCs														
61.8	Certification Requirements for Vapor Control Equip.														
62	Sulfur Content of Fuels			x											
64	Reduction of Animal Matter														
66	Organic Solvents	(p)	(o)												
67.1	Alternative Emission Control Plans (AACP)	(c)	(d)												
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)												
67.3	Metal Parts Coating	(g)	(f)												
67.4	Can & Coil Coating	(g)	(f)												
67.5	Paper, Film and Fabric Coating	(f)	(e)												
67.6	Solvent Cleaning Operation	(f)													
67.7	Cutback & Emulsified Asphalt	(f)	(e)												
67.9	Aerospace Coating Operations	(g)	(f)												
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(e)												
67.11	Wood Products Coating Operations (not in SIP)														

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4							Future Effective Date
67.12	Polyester Resin Operations	(g)	(f)												
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)													
67.16	Graphic Arts Operations	(g)	(f)												
67.17	Open VOC Containers	(e)													
67.18	Marine Coating Operations	(g)	(f)												
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)												
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations														
67.21	Adhesive Material Application Operations														
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)														
67.24	Bakery Ovens	(f)	(e)												
68	Fuel Burning Equipment - NOx				x	x	x	x							
69.2	Boilers	(f)	(e) & (g)												
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)		x	x	x	x							
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)												
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)		x	x	x	x							
69.4.1	Stationary Internal Combustion Engines - BARCT (not in SIP)	(f)	(e)												
70	Orchard Heaters														
71	Abrasive Blasting														
20.1	Applicability, Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements (SIP Version 7/5/79)														
20.1	NSR - General Provisions (Version 11/4/98) (not in SIP)														
20.2	Standards for Authority to Construct Best Available Control Technology (SIP Version 7/5/79)														
20.2	NSR - Non-major Stationary Sources (Version 11/4/98) (not in SIP)														
20.3	Standards for Authority to Construct - Air Quality Analysis (SIP Version 7/5/79)														

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4									Future Effective Date
20.3	NSR – Major Stationary Source and PSD Stationary Source (Version 11/4/98) (not in SIP)				x	x	x	x									
20.4	Standards for Authority to Construct - Major Sources (SIP Version 7/5/79)																
20.4	NSR – Portable Emission Units (Version 11/4/98) (not in SIP)																
20.5	Power Plants (SIP Version 7/5/79)																
20.6	Standards for Permit to Operate Air Quality Analysis (SIP Version 7/5/79)																
SUBPART	Regulation X - Standards of Performance for New Stationary Sources (NSPS)	Rule #	Rule #														
A	General Provisions		260.7														
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.13														
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.45														
			260.47a														
			260.48a														
			260.49a														
			260.47b														
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b	260.48b														
		260.46b	260.49b														
E	Standards of Performance for Incinerators	260.54	260.53														
I	Standards of Performance for Asphalt Concrete Plants	260.93															
K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113														
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978																
		260.113a	260.115a														
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for which Construction, Reconstruction, or Modification Commenced after July 23, 1984																
		260.113b	260.115b														
			260.116b														

**TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	engine 2	Engine 3	Engine 4	Future Effective Date
Subpart									
L	Standards of Performance for Secondary Lead Smelters	260.123							
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133							
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153						
DD	Standards of Performance for Grain Elevators	260.303							
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315						
GG	Standards of Performance for Stationary Gas Turbines	260.335	260.334						
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.433 260.435	260.434						
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447						
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453 260.456	260.454 260.455						
TT	Standards of Performance for Metal Coil Surface Coating	260.463 260.466	260.464 260.465 260.544 260.545 260.546						
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.584 260.585						
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	260.583							
JJJ	Standards of Performance for Petroleum Dry Cleaners								
SUBPART	New Source Performance Standards (40 CFR 60)								
Cb, F	Portland Cement Plants								
Dc	Small Industrial -Commercial -Institutional Steam Generators >10 MM Btu but <100 MM Btu.								
Ea	Municipal Waste Combustors								
G	Nitric Acid Plants								
H & Cb	Sulfuric Acid Plants								

**TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	engine 2	Engine 3	Engine 4										Future Effective Date
Subpart																		
N	Oxygen Process Furnaces																	
Na	Oxygen Process Steelmaking Facilities																	
P	Primary Copper Smelters																	
Q	Primary Zinc Smelters																	
R	Primary Lead Smelters																	
S	Primary Aluminum Reduction Plants																	
T & U	Phosphate Fertilizer Industry																	
V, W, X	Phosphate Fertilizer Industry																	
Y	Coal Preparation Plants																	
Z	Ferroalloy Production Facilities																	
AA, AAa	Steel Plants																	
BB	Kraft Pulp Mills																	
CC	Glass Manufacturing Plants																	
HH	Lime Manufacturing Plants																	
KK	Lead-Acid Battery Manufacturing Plants																	
LL	Metallic Mineral Processing Plants																	
MM	Automobile and Light-Duty Truck Surface Coating Operations																	
NN	Phosphate Rock Plants																	
PP	Ammonium Sulfate Manufacture																	
UU	Asphalt Processing and Asphalt Roofing Manufacture																	
VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.																	
WW	Beverage Can Surface Coating Industry																	
XX	Bulk Gasoline Terminals																	
AAA	New Residential Wood Heaters																	
DDD	VOC Emissions from the Polymer Mfg. Ind.																	
GGG	Equipment Leaks of VOC in Petroleum Refineries.																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4									Future Effective Date
Subpart																	
HHH	Synthetic Fiber Production Facilities																
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO ₂ Emissions.																
HHH	Synthetic Fiber Production Facilities																
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO ₂ Emissions.																
NNN	VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations.																
OOO	Standard of Performance for Nonmetallic Mineral Processing Plants																
PPP	Wool Fiberglass Insulation Mfg. Plants																
QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems.																
RRR	VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.																
SSS	Magnetic Tape Coating Facilities																
TTT	Industrial Surface Coating Surface, Surface Coating of Plastic Parts for Business Machines.																
UUU	Calciners and Dryers in Mineral Industries.																
VVV	Polymeric Coating of Supporting Substances Facilities.																
WWW	Standards of Performance for Municipal Solid Waste Facilities																
SUBPART	REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)																
A	General Provisions																
	Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites.																
C, D																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4										Future Effective Date
Subpart																		
E	Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.																	
F	Ethylene Dichloride Mfg. Via Oxygen, HCl and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.																	
M	Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste.																	
SUBPART	NESHAPS (40 CFR 61)																	
B,Q,R,T,W,	Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.																	
H,I,K	Dept. of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants. (Radionuclide)																	
J,L,Y, BB,FF	Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations.																	
N,O,P	Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.																	
V	Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service.																	
SUBPART	MACT Standards (40 CFR 63)																	
F,G, H,I	Amendment: Reopening, Averaging Issue																	
L	Coke Ovens																	
O	Ethylene Oxide Sterilizers																	
Q	Industrial Process Cooling Towers																	
R	Gasoline Distribution Facilities																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2	Engine 3	Engine 4									Future Effective Date
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Subpart

T	Halogenated Solvent Cleaning Degreasing																
X	Secondary Lead Smelters																
Y	Marine Tank Loading/Unloading																
CC	Petroleum Refineries																
DD	Off-Site Waste and Recovery Operations																
EE	Magnetic Tape																
GG	Aerospace (Coatings)																
II	Shipbuilding for Ship Repair (Surface Coating)																
JJ	Wood Furniture Industry (Coatings)																
KK	Printing and Publishing																
AAAA	Municipal Solid Waste Landfills																
DDDDD	Industrial, Commercial and Institutional Boilers and Process Heaters																
MMMM	Surface Coating of Miscellaneous Metal Parts and Products																
PPPP	Surface Coating of Plastic Parts																
ZZZZ	Reciprocating Internal Combustion Engines																
YYYY	Stationary Combustion Turbines																

California Airborne Toxic Control Measures (ATCM)
17 CCR

§93102	Hexavalent Chromium ATCM for Chrome Plating and Chromic Acid Anodizing Operations																
§93109	ATCM for Emissions of Perchloroethylene from Dry Cleaning Operations																

	40 CFR Part 68 RMP																
	Title IV - Acid Rain (40 CFR 72)																

Title VI-Ozone Depleting Compounds (40 CFR 82)

B	Servicing of Motor Vehicle Air Conditioners		B														
F	Servicing of Other Air Conditioners		F														

**San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION
Certification Statement (FORM 1401-I)**

Company Name	District Use Only
<u>MM San Diego - North City</u>	NEDS # _____
Facility Address: <u>4949 Eastgate Mall Road, San Diego, CA</u>	SITE ID # _____
<u>92121</u>	

Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)

- | | | |
|-------------------------------------|-------------------------------------|--|
| Applicable | Not
Applicable | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.</i> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.</i> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>All fees required by Regulation III, Rule 40 have been paid.</i> |



Signature of Responsible Official

6-28-10

Date

ANTHONY J. FALBO
Print Name of Responsible Official

(716) 439-1004
Telephone No. of Responsible Official

VICE PRESIDENT and GENERAL MANAGER
Title of Responsible Official



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

APR 22 2004

CERTIFIED MAIL NO.: 7003 1680 0002 6627 3647
RETURN RECEIPT REQUESTED

Alta Stengel
Senior Air Pollution Control Engineer
San Diego Air Pollution Control District
9150 Chesapeake Drive
San Diego, Ca 92123-1096

Re: Minnesota Methane

Dear Ms. Stengel:

The United States Environmental Protection Agency (EPA) received your letter dated March 17, 2004 regarding New Source Performance Standard ("NSPS") Subpart WWW applicability to internal combustion ("IC") engines and boilers connected to the Miramar Landfill Gas ("LFG") Treatment system and North City LFG system.

EPA has issued several determinations indicating that compression, de-watering, and landfill gas filtered down to at least 10 microns for use in an energy recovery device is considered treatment for the purposes of 60.752(b)(2)(iii)(C). In accordance with those previous determinations, Region 9 concurs with the statement in your draft letter dated March 16, 2004 that "landfill gas treated in this (compression, de-watering, and filtering landfill gas down to at least 10 microns for use in an energy recovery device) manner is not subject to the requirements of Subpart WWW or 40 CFR Part 63 Subpart AAAA- National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Municipal Solid Waste (MSW) Landfills."

Sincerely,

Douglas K. McDaniel
Acting Chief, Air Enforcement

FORM 88 (7-00)	
X TRANSMITTAL	# of pages = 1
A STENGEL	From: MATE SALAZAR
SDAPCD	Phone # 415-722-3982
58.650.4658	Fax # 415 947 3579
GENERAL SERVICES ADMINISTRATION	

PERMIT / REGISTRATION APPLICATION

SUBMITTAL OF THIS APPLICATION DOES NOT GRANT PERMISSION TO CONSTRUCT OR TO OPERATE EQUIPMENT EXCEPT AS SPECIFIED IN RULE 24(d)

IMPORTANT REMINDERS: Read instructions on the reverse side of this form prior to completing this application. Please ensure that all of the following are included before you submit the application:

- Appropriate Permit Fee
- Completed Supplemental Form(s)
- Signature on Application

REASON FOR SUBMITTAL OF APPLICATION: (check the appropriate item and enter Application (AP) or Permit to Operate (PO) number if required)

- 1. New Installation
- 2. Existing Unpermitted Equipment or Rule 11 Change
- 3. Modification of Existing Permitted Equipment
- 4. Amendment to Existing Authority to Construct or AP
- 5. Change of Equipment Location
- 6. Change of Equipment Ownership
- 7. Change of Permit Conditions
- 8. Change Permit to Operate Status to Inactive
- 9. Banking Emissions
- 10. Registration of Portable Equipment
- 11. Other (Specify) _____
- 12. List affected AP/PO#(s): _____

APPLICANT INFORMATION

- 13. Name of Business (DBA) MICAMAR ENERGY
- 14. Nature of Business _____
- 15. Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations in San Diego County? Yes No
If yes, list assigned location ID's listed on your PO's _____
- 16. Type of Ownership Corporation Partnership Individual Owner Government Agency Other _____
- 17. Name of Legal Owner (if different from DBA) _____

- | | | |
|---------------------|---|--|
| | A. Equipment Owner | B. Authority to Construct (if different from A) |
| 18. Name | <u>MICAMAR ENERGY</u> | _____ |
| 19. Mailing Address | _____ | _____ |
| 20. City | _____ | _____ |
| 21. State | _____ Zip _____ | _____ Zip _____ |
| 22. Phone | () _____ FAX () _____ | () _____ FAX () _____ |
| | C. Permit to Operate (if different from A) | D. Billing Information (if different from A) |
| 23. Name | _____ | _____ |
| 24. Mailing Address | _____ | _____ |
| 25. City | _____ | _____ |
| 26. State | _____ Zip _____ | _____ Zip _____ |
| 27. Phone | () _____ FAX () _____ | () _____ FAX () _____ |

EQUIPMENT/PROCESS INFORMATION: Type of Equipment: Stationary Portable.

If portable, will operation exceed 12 consecutive months at the same location Yes No

- 28. Equipment Location Address 5244 CONDOY ST. City S.D. Parcel No. _____
- 29. State CA Zip 92111 Phone () _____ FAX () _____
- 30. Site Contact _____ Title _____ Phone () _____
- 31. General Description of Equipment/Process _____

- 32. Application Submitted by Owner Operator Contractor Consultant Affiliation _____

EXPEDITED APPLICATION PROCESSING: I hereby request Expedited Application Processing and understand that:

- 33. a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 0(d)(8)(iv) for details).
- b) Expedited processing is contingent on the availability of qualified staff.
- c) Once engineering review has begun this request cannot be cancelled.
- d) Expedited processing does not guarantee action by any specific date nor does it guarantee permit approval.

I hereby certify that all information provided on this application is true and correct.

- 34. SIGNATURE _____ Date _____
- 35. Print Name _____ Title _____
- 36. Company _____ Phone () _____ E-mail Address _____

AP # <u>2013-AP-002977</u>	Cust. No. <u>1996-09778</u>	Sector: <u>UTM's X</u>	Y _____	SIC <u>4911</u>
Receipt # <u>AL 010254</u>	Date <u>7-29-13</u>	Amt Rec'd \$ <u>5034.</u>	Fee Code <u>TIV-MHL</u>	
Engineering Contact <u>AL 008704</u>	Fee Code _____	AP Fee \$ _____	T&M Renewal Fee \$ _____	
Refund Claim # _____	Date _____	Amt \$ _____		
Application Generated By <u>NV#</u>	NC # _____	Other _____	Date _____	Inspector _____

4.07 - TW/flm
96387A

TIV # 4939 - 1 - NDF # 95

T.M. 84939

TV permit 971535

FORTISTAR Methane Group

Miramar Energy LLC

5244 Convoy Street ♦ San Diego, California 92111-1208

Tel. (858) 715-0936 ♦ Fax. (858) 715-4620

May 15, 2013

Title V Permitting Team
Air Pollution Control District
County of San Diego
10124 Old Grove Road
San Diego, CA 92131-1649

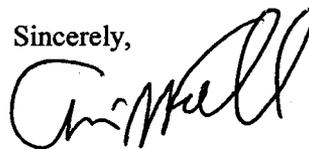
Subject: Miramar Energy LLC
 Initial Title V Application

To Whom It May Concern:

Enclosed is the Title V Permit application for the Miramar Energy LLC gas-to-energy site located at 5244 Convoy Street. This application is considered administrative and seeks to convert the current permits into the Title V permit. For the purpose of submitting redundant information, Miramar Energy LLC is incorporating by reference any documents previously submitted to the District related to site layout, emissions, or other permitting related information. A check for the application fee in the amount of \$95.00 is enclosed.

Please direct all questions regarding this submittal to Suparna Chakladar at (951) 833-4153.

Sincerely,



Anthony J. Falbo
Senior Vice President - Operations
FORTISTAR Methane Group
Miramar Energy LLC

Enclosures

cc: Suparna Chakladar, FMG

TV permit 971535

FORTISTAR Methane Group

Miramar Energy LLC

5244 Convoy Street ♦ San Diego, California 92111-1208

Tel. (858) 715-0936 ♦ Fax. (858) 715-4620

May 15, 2013

Title V Permitting Team
Air Pollution Control District
County of San Diego
10124 Old Grove Road
San Diego, CA 92131-1649

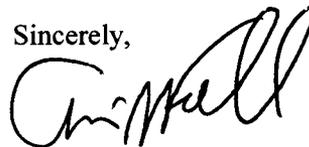
Subject: Miramar Energy LLC
Initial Title V Application

To Whom It May Concern:

Enclosed is the Title V Permit application for the Miramar Energy LLC gas-to-energy site located at 5244 Convoy Street. This application is considered administrative and seeks to convert the current permits into the Title V permit. For the purpose of submitting redundant information, Miramar Energy LLC is incorporating by reference any documents previously submitted to the District related to site layout, emissions, or other permitting related information. A check for the application fee in the amount of \$95.00 is enclosed.

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Sincerely,



Anthony J. Falbo
Senior Vice President - Operations
FORTISTAR Methane Group
Miramar Energy LLC

Enclosures

cc: Suparna Chakladar, FMG

Adams, Melissa

From: Adams, Melissa
Sent: Friday, June 07, 2013 2:08 PM
To: 'Suparna Chakladar'
Cc: Weeks, Tom; Erwin, Douglas; Fox, Virginia
Subject: Fee Estimate for Significant Modification for Minnesota Methane Miramar
Attachments: Fee Estimate Significant Modification Miramar.pdf

Suparna

We received notification in a letter and application dated May 15, 2013 that Minnesota Methane Miramar would like to incorporate the engines listed below into a Title V permit.

APCD2010-APP-001013

APCD2010-APP-001014

The District plans to add the engines to the current Title V Permit 971535, since the engines are part of the same stationary source as the existing 8 engines already at the site under Title V permit 971535.

The addition of the engines represents a significant modification, and will require public notice and 45 day EPA review. Payment of the attached fee estimate is required before processing can commence on the application.

Regards,
Melissa

Melissa W. Adams
Air Pollution Control Engineer
San Diego Air Pollution Control District
(858)586-2704
(858)586-2801 FAX
Melissa.adams@sdcounty.ca.gov

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A1)

Company Name <u>Miramar Energy LLC</u>	District Use Only NEDS # SITE ID # <u>1996-109778</u>
--	--

I. FACILITY IDENTIFICATION

- Facility Name (if different than company name): _____
- Four digit SIC Code: 4911
- Parent Company (if different than Company Name): _____
- Mailing Address: 5087 Junction Road
 City Lockport State NY Zip 14094
- Street Address or Source Location: 5244 Convoy Street
 City San Diego State CA Zip 92111
- UTM Coordinates: _____
- Source Located within 50 miles of a state line: Yes No (All sources **are** within 50 miles)
- Source Located within 1000 feet of a school: Yes No
- Type of Organization: Corporation Sole Ownership Government
 Partnership Utility Company
- Legal Owner's Name: Miramar Energy LLC
- Owner's Agent name (if any): _____
- Responsible Official: Anthony J. Falbo
- Plant Site Manager/Contact: Bryan Lawrence Phone #: 916-789-2250 FAX #: 916-789-2256
- Application Contact: Suparna Chakladar
- Type of Facility: Landfill Gas to Energy Facility
- General description of processes/products: 2 landfill gas fired Caterpillar Model 3520, 2233 bhp engines each driving a 1600 kW Generator.
- Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? Yes No
 (If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input checked="" type="checkbox"/> Initial Title V Application	N/A	N/A
<input type="checkbox"/> Permit Renewal		
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

- Does the permit action requested involve: Temporary Source Voluntary Emissions Caps
 Acid Rain Source Alternative Operating Scenarios Abatement Devices
 CEMs Permit Shield
 Outdated SIP Requirement Streamlining Multiple Applicable Requirement Streamlining
 Source Subject to MACT Requirements [Section 112]
 Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
- Is source operating under a Compliance Schedule? Yes No Proposed
- Is source operating under a Variance Yes No (If Yes, please attach variance information)
- For permit modification, provide a general description of the proposed permit modification:

IV. SUPPLEMENTAL ATTACHMENTS*: _____

* Means all attachments to the complete application.

**San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A2)**

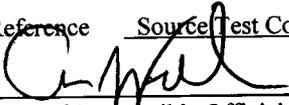
Company Name	District Use Only
Miramar Energy LLC	NEDS # SITE ID # <u>1996-09778</u>

I. MAJOR SOURCE APPLICABILITY

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. **If more space is necessary, use additional forms. Please type or print legibly.**

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	<input type="checkbox"/>
PM10	100	<input type="checkbox"/>
SO2	100	<input type="checkbox"/>
NOx	100	<input type="checkbox"/>
CO	100	<input checked="" type="checkbox"/>
ODC	100	<input type="checkbox"/>
LEAD COMPOUNDS	10	<input type="checkbox"/>
HAZARDOUS AIR POLLUTANTS		
SINGLE HAP	10	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
COMBINATION HAP	25	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference Source Test Conducted by SDAPCD

 Signature of Responsible Official
ANTHONY J. FALBO
 Print Name of Responsible Official
SENIOR VICE PRESIDENT - OPERATIONS
 Title of Responsible Official

Inventory Year 2012
May 15, 2013
 Date
(716) 439-1004
 Telephone No. of Responsible Official

II. EMISSIONS CALCULATIONS ATTACHED (as needed)

Yes No

DISTRICT USE ONLY

Date Application Received: 7-29-13
 Application Filing Fee: _____
 Receipt #: _____

Application # 2013-App-002977
 District Received Stamp: _____
 Fee Code: TIX-MAL

San Diego County Air Pollution Control District
10124 Old Grove Rd., San Diego, CA 92131
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION Insignificant Activity List (FORM 1401-G)
--

Company Name	District Use Only
Miramar Energy LLC	NEDS # _____
Facility Address: 5244 Convoy Street, San Diego, CA 92111	SITE ID # _____

LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary & portable internal combustion engines with ≤ 50 bhp output rating	(d)(1)(iii)
<input type="checkbox"/> Stationary gas turbines with a power rating of < 0.3 megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
<input type="checkbox"/> Water cooling towers & ponds with a capacity $< 10,000$ gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of < 450 in ³ of any molten metal	(d)(12)
<input type="checkbox"/> Crucible, pot or induction furnaces with a capacity of ≤ 2500 in ³ , in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
<input type="checkbox"/> Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
<input type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft ³	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of ≤ 27 ft ³ in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft ²	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

**San Diego County Air Pollution Control District
10124 Old Grove Rd., San Diego, CA 92131
(858) 586-2600 FAX (858) 586-2601**

**TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)**

Company Name Miramar Energy LLC	District Use Only
Facility Address: 5244 Convoy Street, San Diego, CA 92111	NEDS # _____ SITE ID # _____

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<input type="checkbox"/> Water cooling towers & ponds with a capacity < 10,000 gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of < 1 million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of < 20 million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of < 5 million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of < 450 in ³ of any molten metal	(d)(12)
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<input type="checkbox"/> Dry batch mixers with ≤ 0.5 cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with ≤ 1 cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of ≤ 85 gallons	(d)(33)
<input type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of < 100 lbs or < 1 ft ³	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of ≤ 27 ft ³ in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of ≤ 1.0 ft ²	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of ≤ 1 gallon	(d)(61)(ii)

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

Continued - Exemptions based on Size (Capacity)

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input type="checkbox"/> Stationary organic compound storage tanks with a capacity of ≤ 250 gallons	(e)(1)
<input type="checkbox"/> Liquid surface coating application operations using hand-held brushes for application of a primer coating from containers of \leq eight (8) ounces in size, to fasteners to be installed on aerospace parts	(h)(5)
<input type="checkbox"/> Liquid surface coating application operations using air brushes with a coating capacity of ≤ 2 ounces for the application of a stencil coating	(h)(6)
<input type="checkbox"/> Metal inspection tanks that: a) do not utilize a suspension of magnetic or fluorescent dye particles in volatile organic solvent, and b) have a liquid surface area $< 5 \text{ ft}^2$ and c) are not equipped with spray type flow or a means of solvent agitation	(o)(5)
<input type="checkbox"/> Bakery ovens used for baking yeast leavened products where the combined rated heat input capacity is < 2 million Btu/hr	(o)(37)

Exemptions based on Production Rates (Emission Limits)

<input type="checkbox"/> Printing or graphic arts presses located at a stationary source which emits a total of < 15 lbs/day of VOC's subject to Rule 67.16, on each day of operation	(d)(7)
<input type="checkbox"/> Solder levelers, hydrosqueegees, wave solder machines, and drag solder machines which use < 10 lbs/day of any material containing VOCs	(d)(23)
<input type="checkbox"/> Fire extinguishing equipment, using halons with a charge of < 50 lbs. of a Class I or Class II ozone depleting compound.	(d)(31)
<input type="checkbox"/> Coffee roasting equipment with a manufacturer's rating of ≤ 15 lbs/hr	(d)(45)
<input type="checkbox"/> Equipment used to manufacture bio-agricultural products for exclusive use in field testing required to obtain FDA, EPA, USDA and /or Cal-EPA approval, provided the uncontrolled emissions of VOCs from all such operations < 5 ton/yr.	(d)(49)(iii)
<input type="checkbox"/> Oil quenching tanks which use < 20 gal/yr of make-up oil	(d)(56)
<input type="checkbox"/> Equipment that is used to conduct research and develop new or improved processes/products, and is operated by technically trained personnel under the supervision of a research director, and is not used in the manufacture of products for sale or exchange for commercial profit, and all emissions are < 15 lbs/day.	(d)(48)
<input type="checkbox"/> Powder coating operations, except metalizing gun operations, where surface preparation or cleaning solvent usage is < 0.5 gal/day	(d)(62)
<input type="checkbox"/> Equipment used to transfer fuel to & from amphibious ships for maintenance purposes, provided total annual transfers $< 60,000$ gal/yr.	(f)(2)
<input type="checkbox"/> Stationary storage tanks (excluding tanks subject to Rule 61.9) used exclusively for the storage of liquid organic solvents used as dissolvers, viscosity reducers, reactants, extractants, cleaning agents or thinners provided that emissions < 15 lbs/day.	(e)(3)
<input type="checkbox"/> Liquid surface coating or adhesive application operations (portable or stationary) where not more than 20 gallons per year of material containing organic compounds are applied	(h)(1)
<input type="checkbox"/> Liquid surface coating application operations exclusively using materials with a VOC content of < 20 g/L where < 30 gal/day of such materials are applied.	(h)(2)
<input type="checkbox"/> Foam manufacturing or application operations which emit < 5 lbs/day of VOCs	(i)(1)
<input type="checkbox"/> Reinforced plastic fabrication operations using resins such as epoxy and/or polyester which emit < 5 lbs/day of VOCs	(i)(2)
<input type="checkbox"/> Plastics manufacturing or fabrication operations which emit < 5 lbs/day of VOCs	(i)(3)
<input type="checkbox"/> Cold solvent degreasers used for educational purpose and which emit < 5 lbs/day of VOCs	(i)(4)

TITLE V APPLICATION
Insignificant Activity List (FORM 1401-G)

- Golf grip application stations which exclusively use liquid materials with an initial boiling point of 450°F (232°C), or greater and which emit < 5 lbs/day of VOCs. (i)(5)
- Batch-type waste-solvent recovery stills with batch capacity of ≤ 7.5 gallons for onsite recovery provided the still is equipped with a safety device & VOC emissions are < 5 lbs/day (i)(6)
- Peptide and DNA synthesis operations which emit < 5 lbs/day of VOCs (i)(7)
- Equipment used for washing or drying articles fabricated from metal, cloth, fabric or glass, provided that no organic solvent is employed in the process and that no oil or solid fuel is burned and none of the products being cleaned has residues of organic solvent and VOC emissions are < 5 lbs/day (i)(8)
- Hot wire cutting of expanded polystyrene foam which emit < 5 lbs/day of VOCs. (i)(9)
- Any coating and/or ink manufacturing operations located at a stationary source, which emit < 15 lbs/day of VOCs. (o)(9)
- Any operation producing materials for use in cosmetic or pharmaceutical products and/or manufacturing cosmetic or pharmaceutical products by chemical processes, which emit < 15 lbs/day of VOCs (o)(12)
- Refrigeration units except those used as, or with, air pollution control equipment with a charge of < 50 lbs of a Class I or II ozone depleting compound. (o)(18)
- Atmospheric organic gas sterilizer cabinets where ethylene oxide emissions are < 5 lbs/yr (o)(28)
- Aerosol can puncturing/crushing operations which vents all emissions through a properly operated/maintained carbon canister, provided < 500 cans/day are processed. (o)(29)(ii)
- Solvent wipe cleaning operations using a container applicator that minimizes emissions to the air where the uncontrolled emissions of VOCs < 5 ton/yr, or the total purchase of solvents < 1,500 gal/yr, or the total purchase of solvents containing a single HAP < 350 gal/yr. (o)(32)
- Equipment approved for use by the EPA for recovering and/or recycling CFCs provided such equipment is charged with < 50 lbs. of a Class I or II ozone depleting compound. (o)(33)
- Stationary IC engines rated at ≤ 200 bhp installed and operated before November 15, 2000, which operate < 200 hr/yr. (o)(34)(ii)

San Diego County Air Pollution Control District
 10124 OLD GROVE ROAD SAN DIEGO CA 92131-1649
 (858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1)

Company Name <u>Miramar Energy LLC</u>	District Use Only NEDS # _____ SITE ID # _____
---	--

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. **Type or print legibly.**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2	Future Effective Date
Facility Applicable Requirement Description							
10(a)	Permits Required – (a) Authority to Construct						
10(b)	Permits Required – (b) Permit to Operate			x	x	x	
19	Provision of Sampling & Testing Facilities			x	x	x	
19.2	Continuous Emission Monitoring Requirements			x	x	x	
19.3	Emission Information			x	x	x	
NSR	New Source Review						
PSD	Prevention of Significant Deterioration			x	x	x	
21	Permit Conditions			x	x	x	
50	Visible Emissions			x	x	x	
51	Nuisance			x			
60	Circumvention			x			
67.0	Architectural Coatings	(g)					
67.17	Storage of Materials Containing VOC	(e)		x			
71	Abrasive Blasting						
98	Breakdown Conditions: Emergency Variance			x			
101	Burning Control						
131	Stationary Source Curtailment Plan						
132	Traffic Abatement Plan						

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Reports, Rule Section	Facility	Engine 1	Engine 2						Future Effective Date
Equipment Specific Applicable Requirement Description												
50	Visible Emissions				x	x						
51	Nuisance				x	x						
52	Particulate Matter	Method 5										
53	Specific Contaminants	Method 5			x	x						
53.1	Scavenger Plants											
54	Dust and Fumes	Method 5										
58	Incinerator Burning											
59	Control of Waste Disposal – Site Emissions	(e)	(e) & (f)	x								
60	Circumvention											
61.1	Receiving & Storing VOCs at Bulk Plants & Terminals	(d)	(c)(7)									
61.2	Transfer of VOCs into Mobil Transport Tanks	(c)(10)										
61.3	Transfer of VOCs into Stationary Storage Tanks		(c)(2)(iii)									
61.4	Transfer of VOCs into Vehicle Fuel Tanks											
61.5	Visible Emissions Standards for Vapor Control Equip.		VE									
61.7	Spillage & Leakage of VOCs											
61.8	Certification Requirements for Vapor Control Equip.			x								
62	Sulfur Content of Fuels											
64	Reduction of Animal Matter											
66	Organic Solvents	(p)	(o)									
67.1	Alternative Emission Control Plans (AECPL)	(c)	(d)									
67.2	Dry Cleaning - Petroleum Solvent	(f)	(e)									
67.3	Metal Parts Coating	(g)	(f)									
67.4	Can & Coil Coating	(g)	(f)									
67.5	Paper, Film and Fabric Coating	(f)	(e)									
67.6	Solvent Cleaning Operation	(f)										
67.7	Cutback & Emulsified Asphalt	(f)	(e)									
67.9	Aerospace Coating Operations	(g)	(f)									
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(e)									
67.11	Wood Products Coating Operations (not in SIP)	(f)	(e)									

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2													Future Effective Date
67.12	Polyester Resin Operations	(g)	(f)																
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																	
67.16	Graphic Arts Operations	(g)	(f)																
67.17	Open VOC Containers	(e)																	
67.18	Marine Coating Operations	(g)	(f)																
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)																
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations																		
67.21	Adhesive Material Application Operations																		
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																		
67.24	Bakery Ovens	(f)	(e)																
68	Fuel Burning Equipment - NOx																		
69.2	Boilers	(f)	(e) & (g)																
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)																
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)																
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)																
69.4.1	Stationary Internal Combustion Engines - BARCT (not in SIP)	(f)	(e)																
70	Orchard Heaters																		
71	Abrasive Blasting																		
20.1	Applicability, Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements (SIP Version 7/5/79)																		
20.1	NSR - General Provisions (Version 11/4/98) (not in SIP)																		
20.2	Standards for Authority to Construct Best Available Control Technology (SIP Version 7/5/79)																		
20.2	NSR - Non-major Stationary Sources (Version 11/4/98) (not in SIP)																		
20.3	Standards for Authority to Construct - Air Quality Analysis (SIP Version 7/5/79)																		

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-HI) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2												Future Effective Date
20.3	NSR - Major Stationary Source and PSD Stationary Source (Version 11/4/98) (not in SIP)			x	x	x												
20.4	Standards for Authority to Construct - Major Sources (SIP Version 7/5/79)																	
20.4	NSR - Portable Emission Units (Version 11/4/98) (not in SIP)																	
20.5	Power Plants (SIP Version 7/5/79)																	
20.6	Standards for Permit to Operate Air Quality Analysis (SIP Version 7/5/79)																	
SUBPART	Regulation X - Standards of Performance for New Stationary Sources (NSPS)	Rule #	Rule #															
A	General Provisions		260.7		x	x												
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.113															
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.45 260.47a 260.48a 260.49a															
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b 260.46b	260.47b 260.48b 260.49b															
E	Standards of Performance for Incinerators	260.54	260.53															
I	Standards of Performance for Asphalt Concrete Plants	260.93																
K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113															
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978	260.113a	260.115a															
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984	260.113b	260.115b 260.116b															

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	engine 2												Future Effective Date
Subpart																		
L	Standards of Performance for Secondary Lead Smelters	260.123																
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133																
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153															
DD	Standards of Performance for Grain Elevators	260.303																
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315															
GG	Standards of Performance for Stationary Gas Turbines	260.335	260.334															
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.433 260.435	260.434															
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447															
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453 260.456	260.454 260.455															
TT	Standards of Performance for Metal Coil Surface Coating	260.463 260.466	260.464 260.465															
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.544 260.546															
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	260.583	260.584 260.585															
JJJ	Standards of Performance for Petroleum Dry Cleaners																	
SUBPART	New Source Performance Standards (40 CFR 60)																	
Cb, F	Portland Cement Plants																	
Dc	Small Industrial -Commercial -Institutional Steam Generators >10 MM Btu but <100 MM Btu.																	
Ea	Municipal Waste Combustors																	
G	Nitric Acid Plants																	
H & Cb	Sulfuric Acid Plants																	

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	engine 2													Future Effective Date
Subpart																			
N	Oxygen Process Furnaces																		
Na	Oxygen Process Steelmaking Facilities																		
P	Primary Copper Smelters																		
Q	Primary Zinc Smelters																		
R	Primary Lead Smelters																		
S	Primary Aluminum Reduction Plants																		
T & U	Phosphate Fertilizer Industry																		
V,W,X	Phosphate Fertilizer Industry																		
Y	Coal Preparation Plants																		
Z	Ferroalloy Production Facilities																		
AA, AAa	Steel Plants																		
BB	Kraft Pulp Mills																		
CC	Glass Manufacturing Plants																		
HH	Lime Manufacturing Plants																		
KK	Lead-Acid Battery Manufacturing Plants																		
LL	Metallic Mineral Processing Plants																		
MM	Automobile and Light-Duty Truck Surface Coating Operations																		
NN	Phosphate Rock Plants																		
PP	Ammonium Sulfate Manufacture																		
UU	Asphalt Processing and Asphalt Roofing Manufacture																		
VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.																		
WW	Beverage Can Surface Coating Industry																		
XX	Bulk Gasoline Terminals																		
AAA	New Residential Wood Heaters																		
DDD	VOC Emissions from the Polymer Mfg. Ind.																		
GGG	Equipment Leaks of VOC in Petroleum Refineries.																		

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-H1) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2												Future Effective Date
JJJ	NSPS for Internal Combustion Engines																	
HHH	Synthetic Fiber Production Facilities																	
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO ₂ Emissions.																	
HHH	Synthetic Fiber Production Facilities																	
KKK, LLL	Onshore Natural Gas Processing: VOC Equipment Leaks and SO ₂ Emissions.																	
NNN	VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations.																	
OOO	Standard of Performance for Nonmetallic Mineral Processing Plants																	
PPP	Wool Fiberglass Insulation Mfg. Plants																	
QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems.																	
RRR	VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.																	
SSS	Magnetic Tape Coating Facilities																	
TTT	Industrial Surface Coating Surface, Surface Coating of Plastic Parts for Business Machines.																	
UUU	Calciners and Dryers in Mineral Industries.																	
VVV	Polymeric Coating of Supporting Substances Facilities.																	
WWW	Standards of Performance for Municipal Solid Waste Facilities																	
REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)																		
SUBPART A	General Provisions																	
	Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites.																	
C, D																		

TITLE V APPLICATION
Applicable Requirements Summary Checklist (FORM 1401-HI) - continued

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Engine 1	Engine 2								Future Effective Date
Subpart														
E	Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.													
F	Ethylene Dichloride Mfg. Via Oxygen, HCl and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.													
M	Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste.													
SUBPART														
B,Q,R,T,W	NESHAPS (40 CFR 61) Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.													
H,I,K	Dept. of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants.													
J,L,Y, BB,FF	Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations.													
N,O,P	Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.													
V	Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service.													
SUBPART														
F,G,H,I	MACT Standards (40 CFR 63)													
L	Amendment: Reopening, Averaging Issue													
O	Coke Ovens													
Q	Ethylene Oxide Sterilizers													
R	Industrial Process Cooling Towers													
	Gasoline Distribution Facilities													

San Diego County Air Pollution Control District
10124 Old Grove Road San Diego CA 92131-1649
(858) 586-2600 FAX (858) 586-2601

TITLE V APPLICATION
Certification Statement (FORM 1401-I)

Company Name	District Use Only
<u>Miramar Energy LLC</u>	NEDS # _____
Facility Address: <u>5244 Convoy Street, San Diego, CA 92111</u>	SITE ID # _____

Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)

Applicable Not

Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.

Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.

Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.

Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.

All fees required by Regulation III, Rule 40 have been paid.

 Signature of Responsible Official

May 15, 2013
 Date

Anthony Falbo
 Print Name of Responsible Official

(716) 439-1004
 Telephone No. of Responsible Official

Senior Vice President - Operations
 Title of Responsible Official

