The San Diego County Air Pollution Control District
AB 617: Community Air Protection Program
Submittal for

Community Air Monitoring

Presented to the California Air Resources Board

July 31, 2018

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MISSION STATEMENT

To Improve Air Quality and Public Health in San Diego Disadvantaged Communities

GUIDING PRINCIPLES

1. Pursue community-involved actions to reduce air pollution that improves public health
2. Form a collaborative process that is diverse and inclusive
3. Be transparent, accessible, accountable, proven, effective, adaptive, and defined
4. Make science-based decisions
5. Leverage resources
6. Share information and lessons learned with other communities
7. Promote accelerated deployment of clean technology
8. Be aligned with other programs, including local climate action plans

The San Diego County Air Pollution Control District (District) is tasked with implementing and leading this community air monitoring program. One of the first orders of business is to identify and prioritize air monitoring for disadvantaged communities within the county. This document describes the methodology used to identify communities, the steps taken to date to determine community concerns, the next steps needed to measure air pollutants and then identify their sources so we can work to improve air quality in those communities. The proposed elements of the Community Air Monitoring Program are listed below in Table 1.

Table 1- PROPOSED ELEMENTS FOR COMMUNITY AIR MONITORING PLANS

#	Element	Activities	Participants
1	Engage community members	Establish a participating structure	District, Community
2	Develop community-specific problem statements	Assess existing monitoring and identify problems community monitoring will address	District, Community
3	Define air monitoring objectives	Describe goals and resulting actions	District, Community
4	Define data quality objectives	Identify precision, accuracy, completeness, and representativeness	District, Community
5	Establish roles and responsibilities	Assign tasks	District, Community
6	Select equipment and methods	Identify appropriateness of equipment for pollutants of concern	District, Community
7	Determine monitoring locations and frequencies	Identify areas, frequency, and duration	District, Community
8	Design quality control procedures	Identify calibration and audit requirements	District, Community
9	Provide work plan for conducting field measurements	Develop timeline and process for coordinating with community	District, Community,
10	Manage and validate data	Discuss path from collection, analysis, storage, and presentation	District, Community
11	Specify process for evaluating effectiveness	Describe process to evaluate data to intended objective and when air monitoring is complete	District, Community
12	Analyze and interpret data	Interpret data, trends	District, Community
13	Communicate Results	Describe final reporting format, frequency, and content to established CARB standards	District, Community

COMMUNITY OUTREACH and APPROACH

The District is coordinating with a wide variety of stakeholders in multiple outreach activities to help design and implement a community-focused and community-driven program. In November 2017, the District participated in a CARB-led community meeting about AB 617, Community Air Monitoring, in National City and learned about the issues and concerns pertaining to air quality from a variety of people in several communities. For example, community members at the meeting expressed concerns about idling trucks. The District promptly started conducting additional inspections to ensure compliance with the State of California's idling rules. Non-compliant trucks were found and the District has undertaken appropriate enforcement actions. The surveillance for, and inspections of, idling trucks in the community continues as a routine District practice.

The District attended two CARB-led meetings in Riverside that discussed AB 617 and how to effectively engage communities. The key point taken from these meetings is that community engagement must be ongoing and transparent, with meaningful action taken for the benefit of the community. We heard from community leaders that the key to success is building trust, which takes time. The District is committed to a continued community engagement and a successful long-term program.

On March 23, 2018, the District held a kick-off meeting at their office where approximately 20 non-District staff attended. People in attendance included staff from the Environmental Health Coalition representing the Community of Portside Environmental Justice Neighborhoods, Casa Familiar (representing San Ysidro community), academia from San Diego State University and University of California San Diego, industry members, the US Navy, and San Diego Gas & Electric. The District gave a brief presentation and then opened the meeting up for ideas and suggestions on how to move forward with community monitoring, emission reductions and outreach. An excellent discussion took place, with many good ideas provided and potential partnerships formed. For example, the University California San Diego has portable testing equipment that might be available to measure ultra-fine particulates in disadvantaged communities. Meetings are being set up with the Port of San Diego to explore the use of electrically operated equipment in lieu of diesel-powered equipment. The Port of San Diego property is adjacent to portside communities and diesel particulate matter air pollution is a major concern in those areas. A member of the Environmental Health Coalition mentioned that the District's "Tell us Now App," which is a phone app to enable people to report air pollution related complaints, is only in English and needed to be in Spanish to be fully effective. The District expects to have the phone app translated into Spanish in a few months.

On March 29, 2018, the District attended a San Ysidro community meeting where OEHHA, San Diego State University, the University of Washington and members of Casa Familiar provided updates on the San Ysidro Community Air Quality Study. The District gleaned important information from the presentation. Additionally, the District presented a short talk about AB 617 and its approach to fulfilling the requirements of that legislation. The District fielded questions and, after the presentation, met with community members at an information table set up for that purpose. The District received comments on where to monitor for air pollution, the air pollution-impacted areas and sources of air pollution within the

community. Air pollution from Tijuana, Mexico, and vehicle idling at border crossings are a great concern for the community as well as for those people walking across the border in both directions. There is also community concern about recent changes to border inspection strategies that cause longer wait times for southbound traffic into Mexico. Additional community air monitoring in the San Ysidro and Otay areas will greatly assist in determining the air quality impact of traffic on these areas and in the development and implementation of effective air pollutant emission reduction strategies.

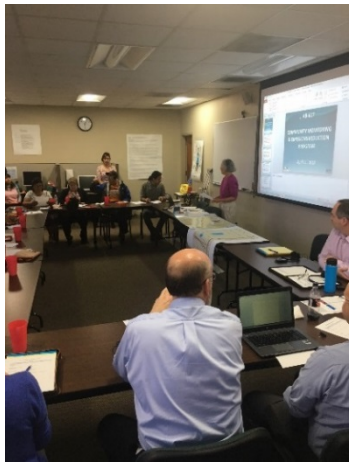
After the March 23rd and March 29th meetings, the District continued its dialogs with Casa Familiar, the Environmental Health Coalition and industry. These communications helped in identifying census tracts in the San Ysidro, Otay Mesa, and portside communities that should be monitored for air pollutants to enable the implementation of emission reduction strategies. Discussions are ongoing and the process will be dynamic and ever evolving, so that changes can be made and an effective program developed.

On April 11, 2018, the District participated in an Environmental Health Coalition meeting at their offices, where portside neighborhood residents discussed concerns about air pollution in their neighborhood. Community members expressed concerns as to whether the District could take immediate action on issues such as idling trucks and odor problems. Several specific areas were named and the District is following up. As to long term projects such as enhanced community monitoring and electrification commitments at the Port of San Diego, the District is fully engaged and will continue to participate as we move forward. The meeting was very positive, with lots of good information being shared, and the District looks forward to additional meetings that will help it to fully understand and address the communities' concerns.

On April 27, 2018, a public meeting was conducted where the District discussed their community nominations, rationale for selections, community emission reduction ideas, and the formation of steering committees. In attendance were members of environmental justice groups, industry, Port of San Diego, SANDAG, the US Navy, San Diego State professor, and various District staff. An excellent discussion ensued and helpful information was provided. Input on the steering committee formation was most helpful.

The meetings continued throughout July and took many forms. There were the District-led monthly stakeholder meetings open to the public; presentations at Casa Familiar Community Meetings; EHC-District meetings led by bilingual District inspectors; Industrial Environmental Association (IEA)-CARB workshops; and updates to advisory groups. In Figure 1 and Table 2 below are pictures and a listing of the meetings completed and scheduled.

Figure 1 – Pictures from meetings



Above is meeting with EHC and residents of the portside neighborhoods

Above is District-led stakeholder meeting

Above is District presentation at San Ysidro Community meeting

Above are breakout sessions where District is getting feedback from San Ysidro residents

Above is District inspector giving presentations in Spanish to Portside Community residents

Table 2- Summary of Meetings

Date	Subject	City	Attendees	Notes
23-Oct-18	CARB AB617 Workshop	Los Angeles	~35	Listened to CARB/SCAQMD/Non-Profits/Public/C. Garcia
18-Nov-17	APCD Advisory Group Meeting	San Diego	4	Update on AB 617 was an agenda item
28-Nov-17	CARB Freight / AB617 Workshop	National City	~35	Evening CARB community meeting on AB617 and freight
14-Feb-18	APCD Advisory Group Meeting	San Diego	4	Update on AB 617 was an agenda item
28-Feb-18	CA Community Air Protection Summit	Riverside	~150	Attended Workshop on AB617 Implementation
12-Mar-18	CA Community Leadership Summit	Riverside	~150	Attended Workshop- Best Practices for Community Projects
14-Mar-18	APCD Advisory Group Meeting	San Diego	4	Update on AB 617 was an agenda item
23-Mar-18	Stakeholder Kick-Off Meeting	San Diego	~20	Community organizations, academia, utility, industry, EPA
29-Mar-18	San Ysidro Community Meeting	San Ysidro	~25	Residential concerns in San Ysidro/Otay Mesa
April	Door-to-Door Grant Outreach	San Diego		Marketing to companies in Portside communities
11-Apr-18	Portside Community presentation	National City	20	Presentation at Environmental Health Coalition
14-Apr-18	SDAPCD Advisory Board Meeting	San Diego	4	Agenda item was an AB617 update
24-Apr-18	Project Workshop	San Diego	20	ARB presented program details, Q&A
26-Apr-18	Grant Outreach	San Diego		Marketing grants at industry Mexport Conference (
27-Apr-18	Stakeholders Meeting	San Diego	20	Progress on monitoring, incentives grants
May	Door-to-Door Grant Outreach	San Diego		Marketing to companies in Portside communities
17-May-18	Tour of District laboratory	San Diego	3	Tour of lab and monitoring station academia and EHC
29-May-18	Meeting with City of San Diego	San Diego	6	Presentation to City of San Diego Executive Team
31-May-18	Stakeholders Meeting	San Diego	24	Progress on monitoring, incentives
31-May-18	San Ysidro Community Meeting	San Diego	~25	Presentation at Casa Familiar Community Meeting
June	Door-to-Door Grant Outreach	San Diego		Marketing to companies in Portside communities
1, 2-Jun-18	Mobile tour of Port and nearby areas	Several	~25	Workshop and Port tour with CARB, EHC, and Casa Familiar
5-Jun-18	SANDAG presentation	San Diego	**5**	Project update for SANDAG Planning staff
7-Jun-18	SANDAG CBO Working Group	San Diego	12	AB617 update at SANDAG's Community Meeting
7-Jun-18	Grant Outreach	San Diego	~15	Port Tenants Association Environmental Meeting
13-Jun-18	EHC Community Meeting	National City	10	Instructed residents how to report air quality complaints
18-Jun-18	IEA/CARB Workshop	San Diego	32	Update on Emission Inventory Tool
25-Jun-18	IEA/CARB Workshop	San Diego	~20	AB617 update including CARB Blueprint
11-July-18	APCD Advisory Group Meeting	San Diego	4	Update on AB 617 was an agenda item
11-July-18	EHC Community Meeting	National City	~12	Follow up to 6/13/18 meeting; inspector-led meeting
18-July-18	APCD Stakeholder Meeting	San Diego	13	Update on AB 617 was an agenda item
27-Jul-18	Stakeholders Meeting	San Diego	15	Update; Progress on monitoring, feedback
3-Aug-18	SANDAG-CARB Conference Call-SCHEDULED	Phone	~	Discussion on Incentive Funding
4-Oct-18	Stakeholders Meeting -- SCHEDULED	San Diego	~	Update; Progress on monitoring, feedback

Going forward, it is felt that the best way to be transparent, hear ideas and concerns, and respond to community concerns is through steering committee meetings. The steering committee meetings will be an effective way to provide in-person updates on community emission monitoring, inspection results and to learn more on the community members' concerns.

Disseminating AB 617 information will be made available on the District website. The District has added a section on the Community Air Monitoring Program to our existing website (www.sdapcd.org). Currently posted is information on AB 617, survey forms, and steering committee nomination forms in English and Spanish. Planned updates will include updates on air monitoring (possibly real-time or near real-time air

quality data), updates on incentive funding, inspection results, a place for comments, and a public complaint link. Information will be linked to other community websites so as to facilitate transparency.

SAN DIEGO COUNTY EMISSION INVENTORY ANALYSIS

The emission data shown in Table 3 are from the California Air Resources Board (CARB) website and include pollutants that are ozone precursors or of special health concern. Ozone, oxides of nitrogen (NOx), and fine particulates ($PM_{2.5}$) are shown for several reasons. AB 617 requires air districts that are in non-attainment for a criteria pollutant to apply expedited best available retrofit control technology (BARCT) to specified sources. The District is currently non-attainment for ozone. ROG and NOx emissions are the precursors to ozone and will need to be analyzed for expedited BARCT reasons. $PM_{2.5}$ is included because the San Ysidro/Otay Mesa Community scores are in the 95% Percentile for this pollutant. Diesel particulate matter (PM) is included because the Portside Environmental Justice Neighborhoods scores in the 95th Percentile for this toxic air contaminant.

Table 3- Summary of emissions by type

EMISSION SOURCE (TONS/DAY)	ROG	NOx	$PM_{2.5}$	TOTAL FOR (ROG, NOx, $PM_{2.5}$)	DIESEL PM (%) OF TOTAL
MOBILE SOURCE	**52.2**	**89.7**	**5.1**	**147**	**91**
AREAWIDE	**33.9**	**1.7**	**12.2**	**47.8**	**6**
STATIONARY SOURCE	**29.2**	**4**	**2.7**	**35.9**	**3**
TOTAL	**115.3**	**95.4**	**20**	**230.7**	**100**

As has been discussed in this application, the District must do its part to help communities and we are committed to this effort. As shown above, mobile source emission reductions are key to success. With the majority of emissions being mobile source related, their emission reductions are critically needed. For example, per preliminary modeling completed in 2017, a reduction of 22.8 tons/day of NOx emissions in order to reach attainment for the 2015 national ozone standard (70 ppb). A 26% reduction in NOx mobile source emissions would achieve this, while a 26% reduction in stationary source NOx emissions would yield reductions of approximately only one ton, more than 21 tons short of the needed amount. Even If all the stationary sources in the county shut down, we would still be short over 18 tons of the needed emission reductions. Detailed emissions by category are shown below in Table 4.

Table 4- Detailed emissions by category

SOURCE TYPE	EMISSION SOURCE (TONS/DAY)	ROG	NOx	$PM_{2.5}$
STATIONARY	ELECTRIC UTILITIES	0.05	0.41	0.31
STATIONARY	COGENERATION	0.04	0.22	0.06
STATIONARY	MANUFACTURING AND INDUSTRIAL	0.07	0.86	0.08
STATIONARY	FOOD AND AGRICULTURAL PROCESSING	0.01	0.15	0.39
STATIONARY	SERVICE AND COMMERCIAL	0.24	1.10	0.43
STATIONARY	OTHER (FUEL COMBUSTION)	0.07	0.72	0.01

STATIONARY	SEWAGE TREATMENT	0.03	0.07	0.02
STATIONARY	LANDFILLS	2.17	0.23	0.41
STATIONARY	INCINERATORS	0.00	0.00	0.00
STATIONARY	SOIL REMEDIATION	0.00	0.00	0.00
STATIONARY	OTHER (WASTE DISPOSAL)	0.26	0.00	0.00
STATIONARY	LAUNDERING	0.10	0.00	0.00
STATIONARY	DEGREASING	1.54	0.00	0.00
STATIONARY	COATINGS AND RELATED PROCESS SOLVENTS	7.32	0.00	0.00
STATIONARY	PRINTING	4.56	0.00	0.00
STATIONARY	ADHESIVES AND SEALANTS	2.64	0.00	0.00
STATIONARY	OTHER (CLEANING AND SURFACE COATINGS)	0.12	0.00	0.00
STATIONARY	PETROLEUM MARKETING	5.85	0.01	0.00
STATIONARY	OTHER (PETROLEUM PRODUCTION AND MARKETING)	0.00	0.00	0.00
STATIONARY	CHEMICAL	2.68	0.00	0.00
STATIONARY	FOOD AND AGRICULTURE	0.06	0.00	0.01
STATIONARY	MINERAL PROCESSES	0.23	0.19	0.99
STATIONARY	METAL PROCESSES	0.01	0.01	0.03
STATIONARY	GLASS AND RELATED PRODUCTS	0.00	0.00	0.00
STATIONARY	ELECTRONICS	0.00	0.00	0.00
STATIONARY	OTHER (INDUSTRIAL PROCESSES)	1.15	0.05	0.02
AREAWIDE	CONSUMER PRODUCTS	17.61	0.00	0.00
AREAWIDE	ARCHITECTURAL COATINGS AND SOLVENTS	9.10	0.00	0.00
AREAWIDE	PESTICIDES/FERTILIZERS	0.60	0.00	0.00
AREAWIDE	ASPHALT PAVING / ROOFING	2.34	0.00	0.01
AREAWIDE	RESIDENTIAL FUEL COMBUSTION	0.53	1.68	3.28
AREAWIDE	FARMING OPERATIONS	1.27	0.00	0.03
AREAWIDE	CONSTRUCTION AND DEMOLITION	0.00	0.00	3.31
AREAWIDE	PAVED ROAD DUST	0.00	0.00	1.49
AREAWIDE	UNPAVED ROAD DUST	0.00	0.00	0.64
AREAWIDE	FUGITIVE WINDBLOWN DUST	0.00	0.00	0.02
AREAWIDE	FIRES	0.05	0.02	0.10
AREAWIDE	MANAGED BURNING AND DISPOSAL	0.24	0.06	0.18
AREAWIDE	COOKING	2.23	0.00	3.24
AREAWIDE	OTHER (MISCELLANEOUS PROCESSES)	0.00	0.00	0.00
MOBILE	LIGHT DUTY PASSENGER (LDA)	7.39	5.56	1.07
MOBILE	LIGHT DUTY TRUCKS - 1 (LDT1)	2.03	0.95	0.09
MOBILE	LIGHT DUTY TRUCKS - 2 (LDT2)	3.15	2.46	0.35
MOBILE	MEDIUM DUTY TRUCKS (MDV)	2.95	2.63	0.22
MOBILE	LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDGT1)	0.94	1.13	0.03

MOBILE	LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDGT2)	0.10	0.16	0.01
MOBILE	MEDIUM HEAVY DUTY GAS TRUCKS (MHDGT)	0.14	0.27	0.01
MOBILE	HEAVY HEAVY DUTY GAS TRUCKS (HHDGT)	0.02	0.08	0.00
MOBILE	LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDDT1)	0.19	3.33	0.07
MOBILE	LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDDT2)	0.06	0.78	0.02
MOBILE	MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDDT)	0.30	4.92	0.20
MOBILE	HEAVY HEAVY DUTY DIESEL TRUCKS (HHDDT)	0.35	11.36	0.12
MOBILE	MOTORCYCLES (MCY)	2.78	0.67	0.01
MOBILE	HEAVY DUTY DIESEL URBAN BUSES (UBD)	0.15	2.08	0.08
MOBILE	HEAVY DUTY GAS URBAN BUSES (UBG)	0.02	0.05	0.00
MOBILE	SCHOOL BUSES - GAS (SBG)	0.01	0.02	0.01
MOBILE	SCHOOL BUSES - DIESEL (SBD)	0.01	0.46	0.02
MOBILE	OTHER BUSES - GAS (OBG)	0.03	0.09	0.01
MOBILE	OTHER BUSES - MOTOR COACH - DIESEL (OBC)	0.01	0.22	0.00
MOBILE	ALL OTHER BUSES - DIESEL (OBD)	0.01	0.20	0.00
MOBILE	MOTOR HOMES (MH)	0.04	0.25	0.01
MOBILE	AIRCRAFT	3.66	8.61	1.68
MOBILE	TRAINS	0.11	2.12	0.04
MOBILE	OCEAN GOING VESSELS	0.86	17.17	0.08
MOBILE	COMMERCIAL HARBOR CRAFT	0.50	5.05	0.15
MOBILE	RECREATIONAL BOATS	11.64	2.54	0.23
MOBILE	OFF-ROAD RECREATIONAL VEHICLES	0.96	0.02	0.00
MOBILE	OFF-ROAD EQUIPMENT	11.74	14.48	0.52
MOBILE	FARM EQUIPMENT	0.44	2.05	0.07
MOBILE	FUEL STORAGE AND HANDLING	1.70	0.00	0.00
		ROG	**NOx**	**$PM_{2.5}$**
TOTAL (TONS/DAY)		**115.44**	**95.48**	**20.15**

Using risk factors from CalEnviroScreen 3.0, the District devised a ranking system to determine priority communities. The priority ranking system was as follows:

Priorities (high to low):

1. High Pollution Burden Score (high air pollution exposure), High Population Characteristic Score
2. Lower Pollution Burden Score (high air pollution exposure), High Population Characteristic Score
3. High Pollution Burden Score (lower air pollution exposure), High Population Characteristic Score
3. High Pollution Burden Score (high air pollution exposure), Lower Population Characteristic Score
4. Lower Pollution Burden Score (high air pollution exposure), Lower Population Characteristic Score
5. Lower Pollution Burden Score (lower air pollution exposure), Lower Population Characteristic Score

Tie

Note: The separation point between high and lower score is the 75 Percentile because CalEPA designates the highest scoring 25% of census tracts from Cal EnviroScreen 3.0 as disadvantaged communities.

Special consideration will be given to:

- Disadvantaged communities where historical regional and/or community air pollution data is lacking
- Situations where disadvantaged communities are impacted by factors outside of local control

ONGOING TECHNICAL ASSESSMENT OF POLLUTANTS IN EACH COMMUNITY:

1. Utilize all CalEnviroScreen 3.0 factors
2. SB 535 Disadvantaged Community List
3. Environmental Justice Screening Tool Score
4. California Healthy Place Index
5. Utilize historical air quality data (emission inventory)
6. Utilize health risk modeling programs to identify acute, chronic, cancer health risks
7. Feedback from community
8. Identify mobile, area, and stationary source emission sources
9. Develop a community-level emission inventory database
10. Conduct modeling as required

Additional details and ranking information for the Community of Portside Disadvantaged Neighborhoods and San Ysidro/Otay Mesa are provided below. The District proposes to form Steering Committees for the Portside and San Ysidro/Otay Mesa communities to help identify issues/concerns and to seek workable strategies/solutions. The Steering Committee nomination forms and bylaws are found in Appendices 1 and 2.

RELATIONSHIP WITH STAKEHOLDERS:

The District has a good working relationship with all parties, some have been established for years and others are becoming more established. We will be transparent, engaging, open to ideas, and inclusive. We plan to meet with community residents at a neighborhood level to better understand concerns; meet with companies individually to develop emission reduction ideas; meet with other agencies/companies who can assist with community goals; and meet as a group at steering committee meetings to provide updates, hear ideas, concerns, and get additional public input. We expect the process to be dynamic and flexible as lessons are learned and new issues arise.

Partnerships between District inspectors and community residents are being formed. Meetings have occurred where bilingual District inspectors have given presentations in Spanish. Staff have provided instructions on how to report complaints and explain District authority (what we can and cannot do). Staff received more detail on problematic sources which will help with community-level inspections.

IDENTIFIED COMMUNITIES:

First Year (Selected for Community Monitoring)

1. **Community of Portside Environmental Justice Neighborhoods** - Barrio Logan / Portion of National City/Sherman Heights/Logan Heights Census Tracts 6073005000; 6073004900; 6073003902; 6073003601; 6073003901; 6073005100; 6073003603; 6073004000; 6073003502; 6073021900; 6073004700; 6073011602

2. **Community of San Ysidro / Otay Mesa** (Census Tracts 6073010009, 6073010013, 6073010111, 6073010005, 6073010012, 6073010109, 6073010015)

Subsequent Years for Community Monitoring and Emission Reductions

1. Community of Portside Environmental Justice Neighborhoods (Emission Reductions)
2. Community of San Ysidro / Otay Mesa (Emission Reductions)
3. National City (Census Tracts 6073011700, 6073011601, 6073011801, 6073022000)
4. Chula Vista (Census Tracts 6073012502, 6073013205, 607312501, 6073012600)
5. El Cajon (Census Tracts 6073016202, 6073015901)
6. San Diego (Census Tracts 6073003602, 6073003501, 6073005300, 6073005700, 6073003301, 6073004800, 6073003403, 6073004100, 6073002502, 6073003404, 6073003305, 6073005200, 6073003303, 6073002501)

Subsequent Years for Emission Reduction Program

All the identified communities above will be nominated for an emission reduction program in future years. When sufficient community-level monitoring data is collected and analyzed, the District is expected to nominate all identified communities for the Emission Reduction Program per CARB's Blueprint Document. A minimum of one year of data is felt necessary to adequately identify emissions at the community level and to be able to document source attribution as required in the Blueprint Document, Appendix C. In the meantime, this community-level emission collection process will not delay immediate emission reduction goals.
The District wants to emphasize to all parties that the District will be actively seeking out emission reductions during the monitoring period through inspections at the neighborhood level, complaint responses, working closely with the communities on identified problem areas, seeking incentive funding for emission reductions, and other avenues as they become available. A more detailed discussion will be presented in the ensuing pages of this document. See Table 5 for listing of the 37 census tracts along with their respective CalEnviroScreen 3.0 rankings.

The District is already receiving incentive funding interest that exceed current funding allotments. CARB incentive funding will be key in 2018-19 for immediate emission reductions in the disadvantaged communities. The District feels it will need to receive a portion of the 245 million dollar incentive funding allotted in this year's State budget Community Protection Plan in order to realize important emission reductions.

Table 5- Identified Census Tracts in San Diego County per CalEnviroScreen 3.0

SD Rank	Census Tract	Total Population	ZIP	City	CES 3.0 Pctl	CES 3.0 Pctl Range	Pollution Burden Pctl	Population Char Pctl
1	6073005000	2227	92113	San Diego	99.42	96-100%	95.81	97.39
2	6073004900	5028	92113	San Diego	99.00	96-100%	94.19	97.23
3	6073003902	4927	92113	San Diego	98.95	96-100%	94.49	96.63
4	6073003601	3250	92113	San Diego	98.73	96-100%	92.50	97.45
5	6073003901	4241	92113	San Diego	96.17	96-100%	81.28	97.63
6	6073005100	7140	92113	San Diego	95.79	96-100%	91.28	89.42
7	6073003603	4228	92113	San Diego	90.26	91-95%	82.04	86.29
8	6073004000	5160	92102	San Diego	89.68	86-90%	70.30	93.68
9	6073003502	4946	92113	San Diego	88.55	86-90%	69.66	92.23
10	6073012502	4466	91910	Chula Vista	88.31	86-90%	81.80	82.02
11	6073016202	3337	92020	El Cajon	87.58	86-90%	87.03	75.38
12	6073021900	6816	91950	Nat City	87.55	86-90%	94.66	65.82
13	6073004700	1858	92102	San Diego	86.72	86-90%	81.54	79.57
14	6073011602	3228	91950	Nat City	86.40	86-90%	63.91	92.24
15	6073003602	3079	92113	San Diego	86.13	86-90%	54.14	97.14
16	6073003501	4255	92113	San Diego	85.21	86-90%	62.96	91.32
17	6073015901	3450	92020	El Cajon	85.18	86-90%	54.26	96.44
18	6073005300	6667	92101	San Diego	84.59	81-85%	78.88	78.08
19	6073005700	1948	92101	San Diego	84.51	81-85%	74.70	81.30
20	6073003301	3337	92113	San Diego	84.22	81-85%	62.31	90.24
21	6073004800	4115	92102	San Diego	84.16	81-85%	59.70	91.95
22	6073013205	2381	91911	Chula Vista	83.64	81-85%	73.22	81.16
23	6073011700	6773	91950	Nat City	83.48	81-85%	65.89	86.61
24	6073011601	5891	91950	Nat City	81.99	81-85%	60.47	88.09
25	6073003403	4283	92102	San Diego	80.59	81-85%	65.69	81.56
26	6073011801	3961	91950	Nat City	79.72	76-80%	66.53	79.58
27	6073012501	3858	91910	Chula Vista	79.33	76-80%	68.30	77.51
28	6073004100	6546	92102	San Diego	78.41	76-80%	73.94	72.00
29	6073002502	6264	92105	San Diego	77.88	76-80%	67.38	76.08
30	6073003404	4634	92102	San Diego	77.69	76-80%	60.54	80.67
31	6073010009	6693	92173	San Ysidro	76.84	76-80%	66.47	74.81
32	6073003305	5738	92113	San Diego	76.40	76-80%	50.13	87.26
33	6073022000	4186	91950	Nat City	76.21	76-80%	43.91	92.07
34	6073005200	4563	92101	San Diego	75.70	76-80%	87.84	55.98
35	6073012600	5047	91910	Chula Vista	75.60	76-80%	69.99	70.02
36	6073003303	4193	92113	San Diego	75.53	76-80%	40.30	94.12
37	6073002501	5504	92105	San Diego	75.24	76-80%	46.91	88.12

These communities are also considered disadvantaged per the AB-535 and AB-1550 as the maps show below in Figures 2 and 3:

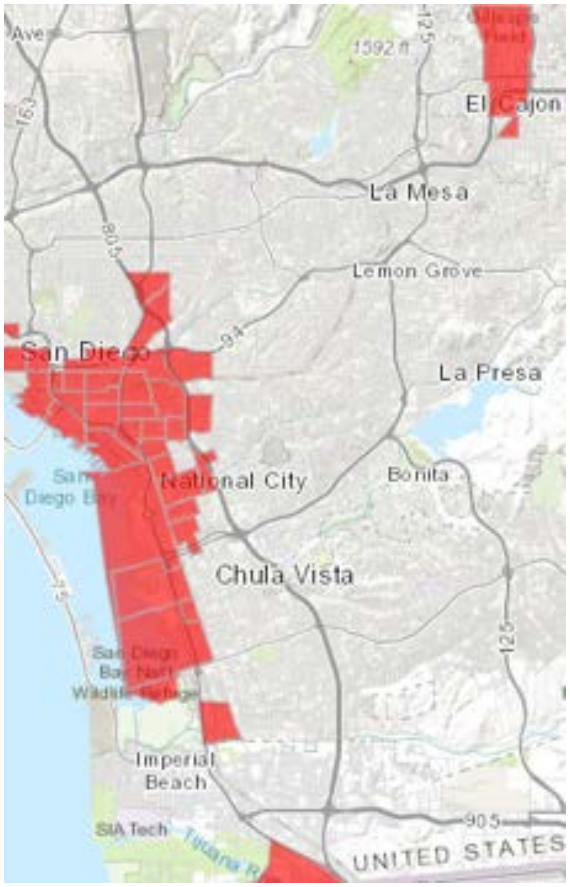


Figure 2- Map above shows AB 535 Communities

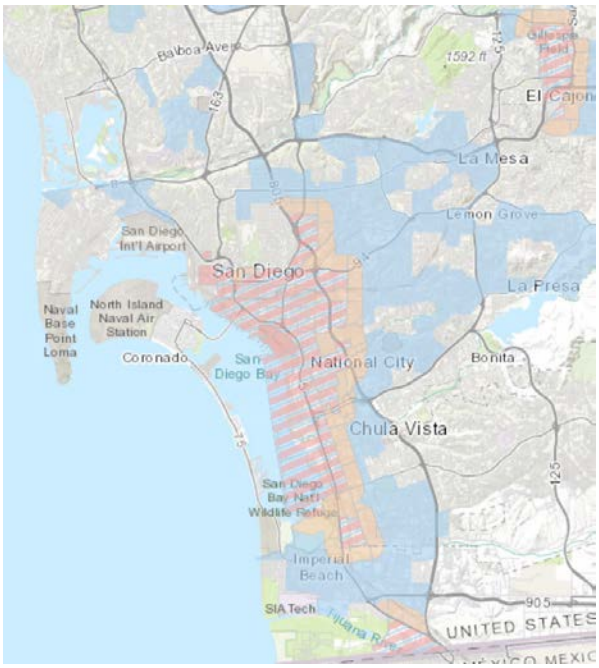


Figure 3-SB 435 and AB 1550 Map

- **SB 535 Communities**
- **AB 1550 Low Income Communities**
- **AB 1550 and SB 535**
- **AB 1550 Communities within ½ mile of SB 535 Community**

Below in Table 6 is CARB-supplied data and show the San Diego nominated communities also score high for the CA Healthy Places Index, and the EJSM Score. The data below points out that these communities have high populations and high population density. The data below emphasizes what has already been discussed, which is these communities have significant pollution burden and have very sensitive population characteristics. A more detailed discussion of these communities is included in the following pages.

Table 6- CARB-supplied disadvantaged communities

City/Area	Nominated	SB 535 DAC List CES3.0	CES 3.0 Score (percentile)	CA Healthy Places Index (percentile)	EJSM Score (percentile)	total population	density (pop. per square mile)	PM2.5 (percentile)	Diesel PM (percentile)	Ozone (percentile)	Toxic risk (percentile)	Traffic (percentile)	Mobile (percentile)	Stationary (percentile)	Large stationary source(count)	Area-wide (percentile)	Schools	Day cares	Hospitals	Asthma (percentile)	Low birth rate (percentile)	Cardiovascular disease (percentile)	Poverty (percentile)	Unemployment (percentile)
Chula Vista	X	yes	88	94	77	226,267	4,995	95	82	26	70	95	84	100	5	94	78	113	6	77	88	61	96	95
El Cajon	X	yes	88	96	77	157,190	2,456	69	58	69	38	85	84	100	3	89	64	52	11	71	97	74	98	97
National City	X	yes	88	90	77	61,994	6,467	69	97	26	56	94	83	99	0	74	21	37	6	85	89	77	93	93
San Diego	X	yes	99	98	84	1,225,676	4,215	95	100	53	78	100	95	100	29	99	380	553	34	97	100	74	99	98
San Ysidro	X	yes	77	90	77	27,196	9,232	95	46	17	59	100	69	99	0	46	6	11	0	69	69	70	94	97

All the above data shows that the two communities are strong candidates for community monitoring.

DESCRIPTION OF COMMUNITY OF PORTSIDE ENVIRONMENTAL JUSTICE NEIGHBORHOODS

(Info from Environmental Health Coalition, in italics)

"National City is the poorest city in San Diego County. It is a community of color with significant challenges including language barriers, insufficient access to reliable transportation and healthy food, and high exposure to pollutants. Notably, 22% of residents live below the federal poverty line and 35% of the population has less than a high school education[1]. The majority of residents are people of color (88%) with Latinos constituting the greater share of the population (63%) and Asian-American/Pacific Islanders following with 20%[1]. The community is also quite young with approximately 26% of residents under the age of 18."

Logan Heights is similar in its demographic makeup. An estimated 86% of residents are Latino with Black and Whites constituting the secondary and tertiary largest ethnic groups[2]. Among Logan Heights' residents, approximately 50% have less than a high school diploma and 30.8% live below the federal poverty line[3]. At the last census, 34% of Logan Heights' residents were under the age of 18[4].

Barrio Logan is a mixed-use neighborhood south of downtown San Diego. Its bayfront is highly industrialized. In the period between the 1920s and 1950s, Mexican American, African American and Asian residents as well as Mexican immigrants moved into Logan Heights/Barrio Logan because of its proximity to the bay front and railroad jobs and the availability of affordable housing.[5] The community was heavily residential and continued to be so as multi-family units were developed throughout the neighborhood to house the continuous influx of immigrant labor.

The neighborhood of Barrio Logan achieved its current identity as a consequence of its separation from Logan Heights due to the construction of Interstate 5 in 1963 and the San Diego-Coronado Bay Bridge in 1969, as well as the rezoning of the area from strictly residential to mixed use. Although it is considered a cultural gem of the county as San Diego's original Mexican-American neighborhood and a landmark site of the 1960s Chicano rights movement, the community still faces significant challenges: 78% of residents are characterized as low-income, 32% of the population is linguistically isolated, and 42% of the population has less than a high school education.[6]"

Barrio Logan's rate of asthma-related hospital visits is higher than 92.9 percent of census tracts throughout the state, with about 81 visits per 10,000 people. Cancer is also a major health hazard for residents. Barrio Logan's cancer risk is in the 80th - 90th percentile nationally[6].

The Community of Portside Environmental Justice Neighborhoods is being selected because it has several census tracts with very high CalEnviroScreen 3.0 (CES 3.0) ratings (Table 6). It has four census tracts that are in the 98th percentile for CES 3.0 and another eight that are in the 85th percentile. Over 50,000 San Diegans (Table 6) reside in this area and are subject to significant pollution exposure.

Of particular concern is diesel particulate matter (PM) which is a known carcinogen and the greatest toxic air pollutant risk in the County. Eleven of the twelve census tracts (over 45,000 people) have an exposure

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[1] "Demographic and Socioeconomic Profile 2010, Zip 91950". San Diego Association of Governments.

[2] 2016 ACS 5-Year Estimates. "Selected Characteristics of the Total and Native Populations in the United States".

[3] "Greater Logan Heights: Five Neighborhoods, One Community". <https://www.sandiego.gov/sites/default/files/legacy/planning/community/profiles/southeasternsd/pdf/greaterloganheightsfiveneighborhoodsonecommunity.pdf>.

[4] 2010 Decennial Census. "Sex by Age".

[5] Smith, Brian F. and Associates and the City of San Diego City Planning and Community Investment/Planning Divisions. "Barrio Logan Historical Resources Survey". 1 February 2011. <https://www.sandiego.gov/sites/default/files/legacy/planning/programs/historical/pdf/2013/201304blhistoricsurvey.pdf>

[6] "EJSCREEN Report (Version 2016) Block group: 060730050001". EJSCREEN Tool. US Environmental Protection Agency.

risk greater than the 95th percentile. Four of the census tracts (over 15,000 people) are in the 99th percentile for diesel PM.
There are also significant environmental effects indicators, including groundwater threats, hazardous waste, solid waste and impaired water bodies. Several of the census tracts have pollution effects in the 95th+ percentile.

The Community of Portside Environmental Justice Neighborhoods is a very sensitive population as evidenced by it CES 3.0 indicators. Of particular concern is the asthma indicator with five census tracts (20,000 residents) in the 95th+ percentile. With the high asthma indicator and significant pollution exposure, residents are very vulnerable to effects of asthma.

There are very significant socioeconomic factor indicators that show how the Community of Portside Environmental Justice Neighborhoods residents are limited in overcoming the pollution exposure and environmental effects. Residents in seven of the census tracts (30,000 people) are in the 95th percentile for poverty. The high poverty rate prevents residents from purchasing goods and services that would minimize any exposure. Ten of the census tracts (40,000+ residents) are in the 90th percentile for housing burden. With significant poverty levels and having much of their limited income going towards housing, their ability to protect themselves (health care, home filtration systems) from pollution exposure is greatly limited.

With assistance from the County of San Diego Health and Human Services additional information on population sensitivity was collected:

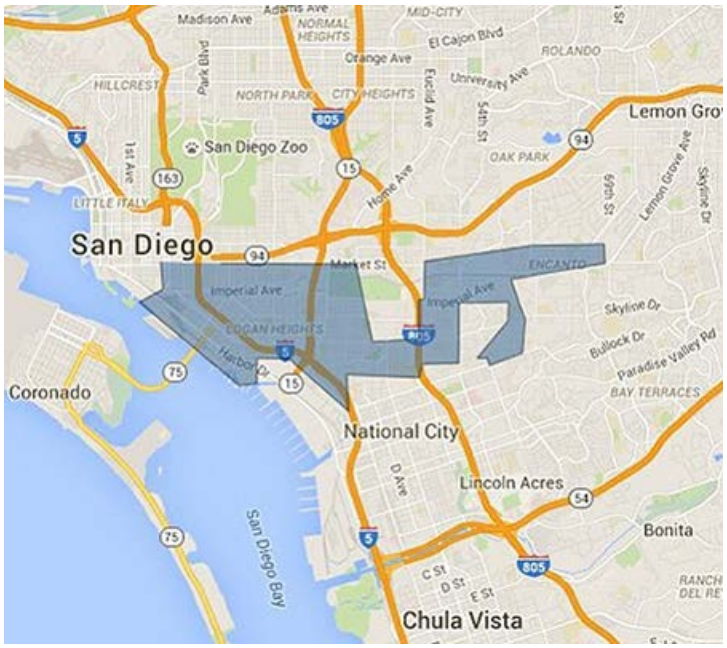
- Food security—proxy food deserts, 2015 Data
  - Source: United States Department of Agriculture: Economic Research Service (May 2017). *Food Access Research Atlas, 2015.* Retrieved from https://www.ers.usda.gov/data-products/food-access-research-atlas/download-the-data/.
  - Barrio Logan
    - In 2015:
      - All specified census tracts for Barrio Logan were low income tracts. [low income]
      - 06073003502, 06073003601, 06073003603, 06073004000, and 06073021900 were low-income tract with at least 500 people, or 33 percent of the population, living more than ½ mile (urban areas) from the nearest supermarket, supercenter, or large grocery store. [low income and low access]
      - 06073003502, 06073003601, 06073003603, 06073004000, and 06073021900 were urban tracts with at least 500 people, or 33 percent of the population, living more than ½ mile from the nearest supermarket, supercenter, or large grocery store. [low access]
      - Info in Table 7 below shows low percentage of preventative prescriptions even though health risks are high.

Table 7- Source: 2017 ESRI Community Analyst.

Census Tract	2017 Smoked cigarettes in last 12 months (%)	2017 Used prescription drug for asthma (%)	2017 Used prescription drug for high blood pressure (%)	2017 Used prescription drug for high cholesterol (%)
6073004800	23.22%	4.79%	10.72%	10.82%
6073005100	24.88%	2.78%	9.50%	8.45%
6073003902	17.47%	5.23%	9.34%	10.72%
6073003901	14.14%	5.18%	8.99%	10.91%
6073003601	14.17%	5.18%	8.99%	10.93%
6073005000	26.34%	5.42%	10.26%	10.14%
6073011602	16.08%	3.39%	9.96%	12.04%
6073021900	18.56%	3.16%	10.60%	12.11%
6073004900	14.16%	5.19%	9.00%	10.93%
6073003603	14.16%	5.19%	9.01%	10.90%
6073004000	14.16%	5.18%	9.01%	10.92%
6073003502	16.39%	4.88%	10.33%	11.31%
6073004700	30.73%	8.55%	13.26%	8.18%

Recently, a major portion of the portside community was designated as one of the 22 federally designated Promise Zones in the United States and one of only four in California. These zones are identified as disadvantaged and underserved communities (Figure 4).

Figure 4- San Diego Promise Zone



The San Diego Promise Zone (SDPZ) covers a 6.4-square-mile targeted area that spans East Village and Barrio Logan east to Encanto and Emerald Hills and is home to the City's most disadvantaged and underserved communities.

More than 77,000 San Diegans live in SDPZ. Unemployment is high (15.61 percent), and poverty is concentrated (39.06 percent). The area struggles with low educational attainment, insufficient access to healthcare and healthy foods, rising crime rates and the least affordable housing in the country.

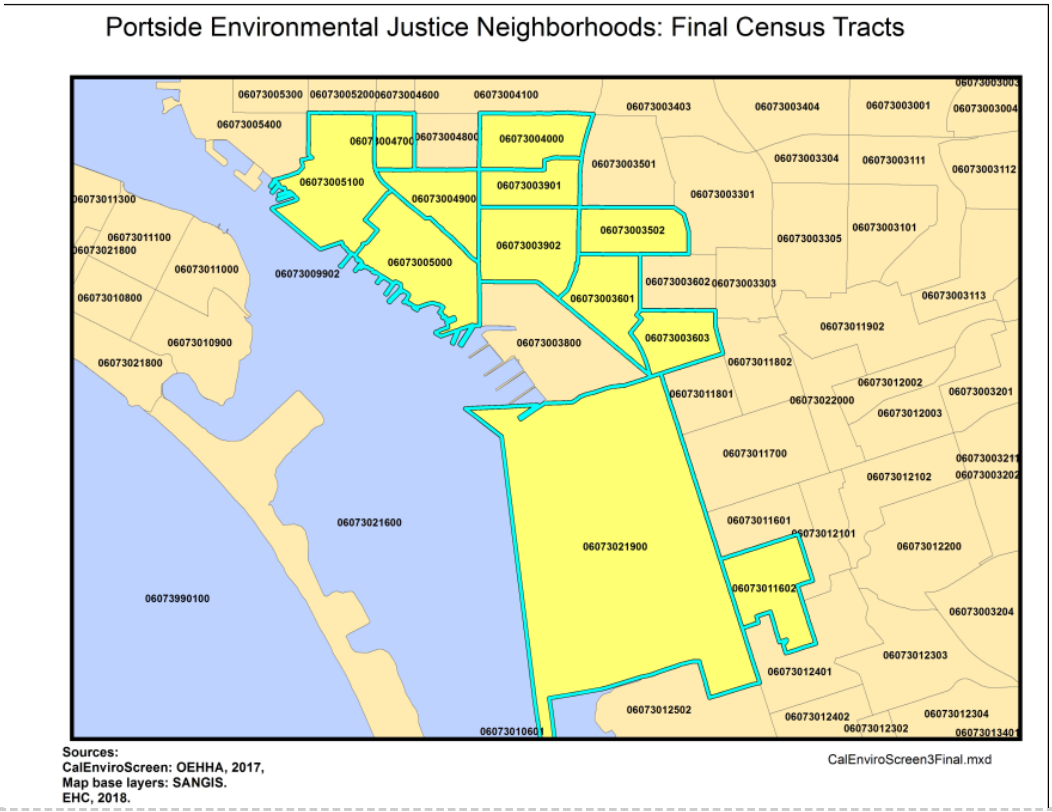
Through the Promise Zone initiative, federal government partners work with local leaders to streamline resources across agencies and deliver comprehensive support. Leading the effort, the City has partnered with numerous local organizations and agencies to develop programs and initiatives in six Working Group goal areas to improve quality of life and accelerate revitalization in the SDPZ. The Promise Zone designation lasts for 10 years. Table 8 shows CalEnviroScreen 3.0 scores for the Portside Community and confirms their issues.

Table 8- CES 3.0 Data for Community of Portside Environmental Justice Neighborhoods

Census Tracts 6073005000 (SD Rank 1); 6073004900 (SD Rank 2); 6073003902 (SD Rank 3); 6073003601 (SD Rank 4); 6073003901 (SD Rank 5); 6073005100 (SD Rank 6); 6073003603 (SD Rank 7); 6073004000 (SD Rank 8); 6073003502 (SD Rank 9); 6073021900 (SD Rank 12); 6073004700 (SD Rank 13); 6073011602 (SD Rank 14)

SD Rank	1	2	3	4	5	6	7	8	9	12	13	14
CA Rank	47	80	84	102	305	335	773	819	909	988	1054	1079
Total Pop.	2227	5028	4927	3250	4241	7140	4228	5160	4946	6816	1858	3228
Zip code	92113	92113	92113	92113	92113	92113	92113	92102	92113	91950	92102	91950
CES 3.0 Score	70.91	68.27	67.79	66.76	59.42	58.65	51.41	50.87	49.67	48.70	47.99	47.62
CES 3.0 Pctl	99.42	99.00	98.95	98.73	96.17	95.79	90.26	89.68	88.55	87.55	86.72	86.40
CES 3.0 Pctl Range	96-100%	96-100%	96-100%	96-100%	96-100%	96-100%	91-95%	86-90%	86-90%	86-90%	86-90%	86-90%
O3 Pctl	22.34	22.34	22.34	22.34	22.34	22.34	22.34	22.34	22.34	25.87	22.34	25.87
PM 2.5 Pctl	66.23	66.23	66.23	66.23	66.23	66.23	66.23	66.23	66.23	69.14	66.23	66.23
Diesel PM Pctl	99.65	99.65	97.08	94.52	97.98	99.65	97.24	98.56	87.28	95.49	99.65	97.24
Drinking Water Pctl	22.24	22.24	22.24	22.24	22.24	22.24	34.03	22.24	22.24	27.09	22.24	27.09
Pes. Pctl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tox. Release Pctl	61.84	53.75	78.14	58.76	56.14	44.49	55.70	50.19	50.09	56.50	44.16	52.81
Traffic Pctl	73.37	84.33	75.47	86.82	54.52	70.61	84.30	50.11	53.35	80.42	82.63	36.01
Clean up Sites Pctl	89.49	81.78	53.92	45.15	27.62	86.92	6.33	2.72	39.78	98.10	56.79	61.42
Groundwater Threats Pctl	96.79	96.24	80.80	94.36	74.91	99.55	90.75	79.18	39.42	99.67	96.97	41.19
Haz. Waste Pctl	97.37	95.92	98.37	95.27	82.35	95.48	46.52	57.13	90.70	85.19	92.40	65.56
Imp. Water Bodies Pctl	97.26	71.61	95.64	89.54	80.63	76.39	80.63	29.25	48.80	63.17	15.26	29.25
Solid Waste Pctl	93.61	92.38	96.39	84.51	84.77	73.54	73.54	75.64	52.84	91.70	65.24	70.29
Poll. Burden Pctl	95.81	94.19	94.49	92.50	81.28	91.28	82.04	70.30	69.66	94.66	81.54	63.91
Asthma Pctl	97.23	97.23	97.23	97.08	93.62	81.00	94.07	90.13	97.23	13.76	88.57	85.04
Low Birth Weight Pctl	63.17	68.47	51.34	70.24	83.21	93.13	26.44	84.06	24.98	83.21	50.72	82.81
Cardio Disease Pctl	70.78	70.78	70.78	69.53	50.80	44.11	55.75	49.35	70.78	56.84	45.01	77.04
Edu Pctl	90.79	96.14	98.20	97.12	97.45	66.19	91.16	93.05	97.72	45.60	90.95	86.35
Ling. Iso. Pctl	96.29	93.15	97.03	86.72	95.13	58.23	95.45	88.80	91.92	83.22	77.34	84.60
Poverty Pctl	99.02	94.70	97.25	95.90	97.57	91.41	85.72	95.84	97.49	84.34	87.59	87.94
Unemp Pctl	90.84	82.80	96.19	89.91	97.33	95.91	87.12	62.53	94.29	54.39	36.77	54.39
Housing Burden Pctl	97.68	95.71	91.18	96.89	98.07	92.36	90.42	96.99	91.50	81.70	97.30	73.17
Pop Char Pctl	97.39	97.23	96.63	97.45	97.63	89.42	86.29	93.68	92.23	65.82	79.57	92.24

Figure 5 - Community of Portside Environmental Justice Neighborhoods



Community of San Ysidro and Otay Mesa

(From David Flores of Casa Familiar in italics):

"San Ysidro is home to approximately 30,000 people. San Ysidro residents identified as 93% Hispanic in the 2010 U.S Census with 87% speaking Spanish and 60% speaking both Spanish and English. The linguistic isolation burden percentage was calculated at 86% by the CalEnviroScreen tool. According to the 2010 SANDAG Community Profile, San Ysidro has a relatively young population with 31.6% of residents under 18 years old and 9.1% of residents over 65 years old as compared to 21% and 11%, respectively, in the City of San Diego. The median age in San Ysidro is 29.1, lower than the median age of 33.8 in the City of San Diego. Further, the unemployment rate in San Ysidro is significantly higher at 12.4% when compared to 8.4% in the City of San Diego. The median household income is also significantly lower at $35,993 when compared to the median of $63,198 in the City of San Diego. The poverty rate in San Ysidro is 25.1%, more than double that of the City of San Diego."

The environmental context of the community of San Ysidro is best understood based on its proximity to the U.S.-Mexico International Border. In 1954 interstate 5 was constructed establishing a major route to the border and bisecting the San Ysidro community. In the 1970s Interstate 805 and 905 were constructed, adding an additional physical division within the community of San Ysidro and limiting the pedestrian mobility of San Ysidro residents and travelers. San Ysidro is located immediately adjacent to the busiest land Port-of-Entry (POE) in the Western Hemisphere, the San Ysidro POE. Each day as many as 50,000 vehicles and 25,000 pedestrians cross the POE in the northbound direction and in 2012 passenger vehicle crossing times averaged 74 minutes (BHET Report, 2015). Vehicular cueing to cross this POE extends to beyond 5 miles on local freeways during busy traffic hours.

POE Operations reports that 6 of 10 persons entering & exiting through any port of the United States happens through the SY POE, and that this facility has the most 911 emergency calls in all of the National emergency call system. This accounts for disproportionate impacts & exposure of the San Ysidro community to vehicle emissions from border traffic. Further, port reconfiguration and expansion is underway to accommodate a projected 87% increase in traffic by the year 2030 (US General Services Administration, 2017). Changes at the port are likely to have a substantial impact on the air quality in the surrounding South San Diego communities. San Ysidro has been identified as a disadvantaged community under SB 535 with an overall CalEnviroScreen 3.0 percentile calculated at 76-80%, with higher percentage reflecting higher burden based on environmental indicators. Of note, CES 3.0 also calculated the PM2.5 burden at 95% and the traffic burden was calculated at 100%.

Localized Air Quality Monitoring

Casa Familiar, academia, and state/local agencies have been conducting an air study in the San Ysidro area where they have deployed low cost sensors. The study is two-fold. First, it is measuring air pollutants at the community level and, second, an evaluation of the sensors utilized in the study by academia is being conducted. The District has assisted with the San Ysidro study by accommodating the side-by-side placement of the study's sensors next certified instruments at District ambient air quality monitoring stations. This colocation allows for the comparison of new technology to long-established state and federal reference measurement methods used by the District. There is widespread interest in identifying and using low cost sensors to monitor air pollutants and the District is committed to continue assisting with the San Ysidro study and future air quality studies in disadvantaged communities.

Recently, the District partnered with Cal-EPA and the USEPA to locate a $PM_{2.5}$ monitor at the San Ysidro Border Crossing. This first-of-its-kind monitoring was helpful in identifying particulate levels at that port of entry, yet was short-lived due to real estate issues. The plan is to resume with monitoring in this general area as soon as possible. This is because data on long-term air pollutant trends are needed if we are to work to mitigate the sources of the pollution. Additionally, such monitoring will assist with the assessment of new, developing technologies and in the creation of protocols for community-level monitoring.

With this, the District is concurrently working on locating a USEPA-required near-road monitor in the San Ysidro community. While the required monitoring is to be used primarily for measuring nitrogen dioxide (NO_2) and $PM_{2.5}$, this location will also be utilized for measuring other pollutants of community concern and to assist the ongoing The San Ysidro Community Air Quality Study.

Furthermore, the new monitoring location will enable the District to have a place where new sensor technology can be co-located with and who whose data can be compared to federal reference method instrument results. The goal is to have proven low cost, simple to operate, accurate sensors deployed throughout our communities.

The Community of San Ysidro/Otay Mesa is being selected because San Ysidro has the highest traffic percentile in the state and its $PM_{2.5}$ levels are in the 95+ percentile. The District is concerned that the PM2.5 and diesel particulate may be underreported. In the CalEnviroScreen 2.0 report, San Ysidro was not considered a disadvantaged community. It was only when CalEnviroScreen 3.0 was completed that a higher PM2.5 exposure was determined. More community monitoring is needed to insure the air quality data fully represents the exposure burden of the community.

There are very significant socioeconomic factor indicators that show San Ysidro residents are limited in overcoming the pollution exposure and environmental effects. Over 27,000 residents have Population Burdens, including an 86+ percentile for poverty, 79+ percentile for unemployment, 89+ percentile for

education, and 85+ for linguistic isolation. With significant poverty levels and having much of their limited income going towards housing, their ability to protect themselves from pollution exposure is greatly limited.
The San Ysidro/Otay Mesa community is also confronted with pollution from another country, specifically from Tijuana, Mexico. The San Ysidro Community Air Quality Study showed elevated particulate levels in the community when it was downwind of Tijuana. Additional monitoring and cooperation with our neighbors is needed to reduce the elevated pollution levels and better protect the residents of San Ysidro. To this end, it is recommended that Tijuana representatives participate in the Steering Committee.

Working with the community and academia, locations throughout the area (Table 7) will be selected to measure for $PM_{2.5}$ and toxic contaminants associated with vehicular exhaust. To ensure success, lessons learned from the San Ysidro Community Air Quality Study will be incorporated into the next level of community testing.

With assistance from the County of San Diego Health and Human Services (HHSA) additional information on population sensitivity is included:

- Food security—proxy food deserts, 2015 Data

Source: United States Department of Agriculture: Economic Research Service (May 2017). *Food Access Research Atlas, 2015.* Retrieved from https://www.ers.usda.gov/data-products/food-access-research-atlas/download-the-data/.

- San Ysidro/ Otay Mesa
  - In 2015:
    - With the exception of Census Tracts 06073010015 and 06073010109, the specified census tracts for San Ysidro/ Otay Mesa were low income. [low income]
    - 06073010009 was a low-income tract with at least 500 people, or 33 percent of the population, living more than ½ mile (urban areas) from the nearest supermarket, supercenter, or large grocery store. [low income and low access]
    - 06073010009, 06073010015, and 06073010109 were urban tracts with at least 500 people, or 33 percent of the population, living more than ½ mile from the nearest supermarket, supercenter, or large grocery store. [low access]
    - Table 9 below shows preventative medication is low, despite health risk is high in the area.
    - Table 10 on the next page confirms the issues in the San Ysidro / Otay Mesa Community.

Table 9- Source: 2017 ESRI Community Analyst.

Census Tracts	2017 Smoked cigarettes in last 12 months (%)	2017 Used prescription drug for asthma (%)	2017 Used prescription drug for high blood pressure (%)	2017 Used prescription drug for high cholesterol (%)
6073010009	16.89%	4.16%	11.19%	10.34%
6073010013	20.14%	4.38%	12.54%	11.98%
6073010111	14.02%	3.98%	9.74%	9.95%
6073010005	20.41%	3.40%	13.35%	11.28%
6073010012	21.46%	5.52%	12.46%	9.40%
6073010109	13.87%	2.38%	10.76%	8.62%
6073010015	13.89%	2.37%	0.77%	8.63%

Table 10. San Ysidro / Otay Mesa

San Diego Rank	31	38	48	49	55	65	100
CA Rank	1837	1991	2281	2337	2571	2695	3457
Census Tract	6073010009	6073010013	6073010111	6073010005	6073010012	6073010109	6073010015
Total Population	6693	5484	3072	7366	4581	4595	2803
Zip code	92173	92173	92173	92173	92173	92154	92154
Area	San Ysidro	San Ysidro	San Ysidro	San Ysidro	San Ysidro	Otay Area	Otay Area
CES 3.0 Score	40.54	39.27	36.66	36.34	34.57	33.53	28.20
CES 3.0 Pctl	76.84	74.90	71.24	70.54	67.59	66.02	56.41
CES 3.0 Pctl Range	**76-80%**	**71-75%**	**71-75%**	**71-75%**	**66-70%**	**66-70%**	**56-60%**
Ozone Pctl	16.94	16.94	16.94	16.94	16.94	16.94	16.94
$PM_{2.5}$ Pctl	**95.27**	**95.27**	**94.96**	**94.96**	**94.96**	**94.96**	**95.27**
Diesel PM Pctl	40.41	46.38	30.11	43.14	30.11	13.91	66.82
Drinking Water Pctl	22.24	22.24	17.30	22.24	22.24	13.12	34.34
Pesticide Pctl	57.24	27.04	**0.00**	**0.00**	**0.00**	36.22	**1.52**
Toxic Release Pctl	57.28	58.27	57.65	59.04	57.82	53.23	73.27
Traffic Pctl	**99.99**	57.51	75.64	61.34	59.94	**100.00**	**99.97**
Cleanup Sites Pctl	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	62.81	78.77
Groundwater Threats Pctl	23.60	56.62	32.03	55.16	32.03	46.01	82.51
Hazardous Waste Pctl	43.11	**8.56**	25.76	**0.00**	25.76	43.11	**97.16**
Imp. Water Bodies Pctl	**94.41**	**94.41**	**94.41**	**94.41**	**94.41**	**99.54**	**94.41**
Solid Waste Pctl	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	61.92	78.52
Poll. Burden Pctl	66.47	48.94	39.84	40.91	37.21	77.59	**96.68**
Asthma Pctl	59.29	68.89	68.89	68.89	68.89	40.93	34.80
Low Birth Weight Pctl	27.80	26.20	55.94	69.49	49.89	54.72	14.79
Cardio Disease Pctl	55.25	69.98	69.98	69.98	69.98	24.20	18.40
Edu Pctl	**90.66**	**95.55**	89.06	**91.62**	**91.29**	72.50	69.40
Linguistic Isolation Pctl	85.63	**91.12**	85.43	**94.56**	88.39	59.38	59.10
Poverty Pctl	87.94	**93.66**	86.79	85.47	87.59	44.02	39.28
Unemployment Pctl	87.38	**96.90**	**96.27**	**93.43**	79.82	59.88	20.10
Housing Burden Pctl	74.73	89.01	72.81	30.01	69.61	67.68	34.69
Pop Char Pctl	74.81	85.91	87.70	86.09	84.49	50.56	24.72

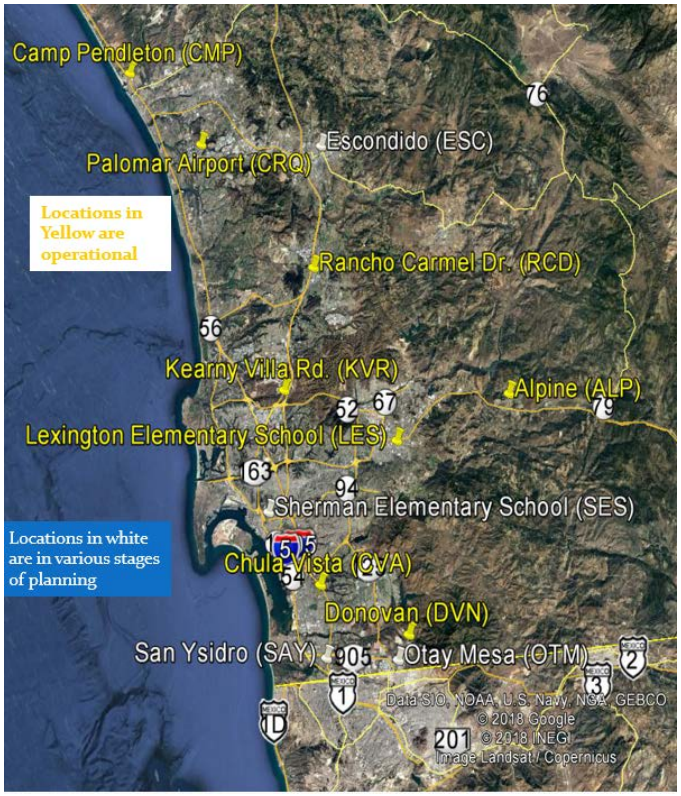
Figure 6- Community of San Ysidro & Otay Mesa

COMMUNITY MONITORING PLAN

Before deciding on a District plan for community monitoring, previous work by others was reviewed. For example, the San Ysidro Air Quality Study has progressed where sensors were utilized to measure air pollutants. This study included San Ysidro residents, Casa Familiar, San Diego State University, University of Washington, and OEHHA. Non-EPA reference sensors were placed throughout the community where particulates were counted and other pollutants measured. Recently Casa Familiar and the Environmental Health Coalition each received ½ million dollars from CARB to purchase and operate additional non-EPA reference sensors. Because there will be many sensors operated in these communities, the District feels strongly that compounds not measured by these sensors such as diesel and toxic volatile organic compounds be measured. EPA-reference test methods should be utilized to verify accuracy of the community sensors. To this end the District is committed to assist Casa Familiar and the EHC with quantifying their sampling. Working collaboratively community-level emissions will be determined to assist with identifying pollution sources and corresponding emission reductions.

The District operates air monitoring stations spread throughout the County as shown in Figure 7 below. While the District's monitoring stations are mostly intended for measuring regional air quality, these stations will be very useful with community monitoring.

Figure 7- Regional Monitoring Locations



First, they will provide data for the community in which they are located. In fact, three stations that will be operational in the coming months are located in the two communities nominated for the first year. A monitoring station is being constructed at Sherman Heights Elementary School, which is located in the Barrio Logan area. This station will measure ozone, NO_2, PM2.5, PM10, and toxics. In fact, PM2.5 will be measured in near-real time (known as "continuous") and via a filter-based, federal reference method. The District will propose measuring black carbon as well because of the high diesel PM percentile in the portside community.

Two stations are being built in the San Ysidro and Otay areas. USEPA has requested we operate a PM2.5 (continuous) monitor at the Otay Port of Entry, and we will also be operating an USEPA-required near-road monitoring station at the San Ysidro Fire Station, immediately adjacent to Interstate 5. At the San Ysidro location we will be operating NO_2 and PM2.5 (continuous) monitors. The District will propose measuring black carbon as well due to the high vehicular traffic volume in this area.

Low cost sensors are gaining popularity for their simplicity and ease of use and these devices show much promise. This being said, the District feels they need constant scrutiny and comparison if we are to depend on their measurements for decision making. The District will working closely with interested parties who wish to compare sensors to reference test methods by allowing colocation at San Ysidro, Otay Mesa, and Sherman Heights monitoring sites. To this end, the District also plans to undertake the testing of some portable sensors at these stations in order to create some direct comparisons of reference methods vs. portable sensors. Additionally, as our instrument technicians gain experience with portable sensors, the District will be able to provide helpful information to others who wish to operate such sensors.

The District plans to locate portable sampling equipment in areas of concern within each of the identified communities. We will measure for toxics using SUMMA© canisters (which is a vacuum canister type of sampler), and PM2.5 (via filter samples). Using portable sampling will enable frequent testing in multiple locations and allow the District to sample the air as a part of its response to community concerns and air pollution complaints.

Once data is collected and its accuracy verified it will allow the District to inform the community of its findings via a website posting and with quarterly updates at steering committee meetings. These data will enable the public to provide feedback and ideas, which the District very much values and appreciates.

The District has monitored criteria pollutants in San Diego county for many decades, including in the Barrio Logan and Otay Mesa areas. Unfortunately, these measurements do not provide definitive health-related answers for the community. The District therefore proposes to conduct measurements designed to specifically answer questions on airborne contaminants from mobile sources, such as elemental carbon (EC) and toxic volatile organic compounds (VOCs). The values for these contaminants in CES are largely based on estimates from emissions inventories and modeling. The CES scoring in the identified neighborhoods is also consistent with the rankings from the National Air Toxics Assessment (NATA) database.

The District proposes to monitor for EC (an indicator of diesel exhaust) as well as toxic-VOCs that are found in gasoline and diesel emissions, such as benzene, 1,3-butadiene, toluene, acrolein, etc. These are currently measured by our Toxic-VOC program, so the results from the proposed neighborhoods can be compared to our existing database.

Details of the District's proposed monitoring can be found in Appendix 1.

INSTRUMENTATION & SAMPLING SCHEDULE

Toxic-VOC

The District has an established network of Toxic-VOCs samplers at three of our ambient air monitoring network (Network) of stations. These stations use Xontech-901 samplers to fill evacuated stainless steel SUMMA© canisters with air samples. They are reliable and will be used for the AB 617 network of field samplers. These samplers will be programmed to run once every six days.

Elemental Carbon (laboratory/filter-based)

The District operates and maintains Met One SuperSASS samplers for the $PM_{2.5}$-Channel Speciation Network (CSN) & (STN) networks. These samplers are very robust and are standalone instruments. The air samples are collected on a filter and shipped to a laboratory for analysis. They will be used for the AB 617 network of field samplers. These samplers will be programmed to run once every three days.

Elemental Carbon (continuous)

There are competing technologies regarding the quantification of Elemental Carbon in real-time. The District has identified the Photoacoustic Extinctiometer (PAX) as the more reliable analyzer needed for this project. It has the ability to provide absorption and scattering information in a single instrument with absorption at 870 nm directly corresponding to black carbon particles in air.

THE PLAN

A typical monitoring station in the District's Network usually requires a large footprint (about 40 ft x 40 ft), with start-up costs of about $200,000. This type of installation will not be feasible for the number and density of sites needed in the proposed communities. Therefore, the District will intensify the Toxics and Elemental Carbon sampling within these communities in two ways: with a permanent site in both major communities with a complete list of samplers and analyzers; and, with temporary shelters (cabinets) that will house samplers capable of targeting specific pollutants. The details of this proposed action are provided below and Table 8 lists the samplers to be used in each community.

Community of Portside Disadvantaged Neighborhoods

1. There will be one (1) permanent site in Sherman Heights at the Sherman Heights Elementary School (abbreviated as SES) with the following samplers and analyzers:
    - Ozone (1-hr average)
    - Nitrogen dioxide (1-hr average)
    - $PM_{2.5}$-sequential (laboratory filter-based, 24-hr average)
    - $PM_{2.5}$-continuous (1-hr average)
    - Elemental Carbon-sequential (laboratory filter-based, 24-hr average)
    - Black Carbon-continuous (1-hr average)
    - Toxic-VOC (laboratory canister-based, 24-hr average)
    - Toxic-Metals-sequential (laboratory filter-based, 24-hr average)
    - Toxics-Carbonyls (laboratory cartridge-based, 24-hr average)

2. There will be fifteen (15) temporary shelters (abbreviated as BL/NC) with the locations to be decided between the District, local environmental concerns, and the members of those communities. These shelters will have to following samplers:
    - Toxic-VOC (laboratory filter-based, 24-hr average)
    - Elemental Carbon-sequential (laboratory filter-based, 24-hr average)

Community of San Ysidro/Otay Mesa

1. There will be one (1) permanent site in San Ysidro at Fire & Rescue Station #29 (abbreviated as SAY); approximately 1 mile north of the San Ysidro Port-of-Entry, immediately adjacent to Interstate 5, with the following samplers and analyzers:

    - Nitrogen dioxide (1-hr average)
    - $PM_{2.5}$-continuous (1-hr average)
    - Elemental Carbon-sequential (laboratory filter-based, 24-hr average)
    - Black Carbon-continuous (1-hr average)
    - Toxic-VOC-sequential (laboratory canister-based, 24-hr average)

2. There will be ten (10) temporary shelters with the locations (abbreviated as SY/OM) to be decided among the District, local environmental concerns, and the members of those communities (Note: one of these shelters/locations will be located as close as possible to the Otay Mesa Port-of-Entry). These shelters will have the following samplers

    - Toxic-VOC (laboratory canister-based, 24-hr average)
    - Elemental Carbon-sequential (laboratory filter-based, 24-hr average)

Table 11. List of Sites, Equipment, and Sampling Schedule

Reason	Equipment	SES	BL/NC	SAY	SY/OM	Schedule
NO2-Gaseous diesel	Thermo 42i	✓	-	✓	-	continuous
Data Logger	Agilaire 8872	✓	-	✓	-	continuous
Gas Calibrator	Teledyne 701U	✓	-	✓	-	as needed
Zero air generator	Teledyne 701H	✓	-	✓	-	as needed
$PM_{2.5}$	Met One E-SEQ-FRM	✓	-	-	-	1:3
$PM_{2.5}$	Met One BAM 1020	✓	-	✓	-	continuous
PM-Diesel	Met One SuperSASS	✓	✓	✓	✓	1:3
PM-Diesel	DMT PAX	✓	-	✓	-	continuous
Toxic-VOC	Xontech 901	✓	✓	✓	✓	1:6
O_3 (non-AB617 needs)	Thermo 49i	✓	-	-	-	continuous
O_3 transfer standard (non-AB617 needs)	Teledyne 400	✓	-	-	-	continuous
Toxic-Metals (non-AB 617 needs)	Xontech 924	✓	-	-	-	1:6
Toxic-Carbonyls (non-AB 617 needs)	Atec 8000	✓	-	-	-	1:6
Meteorology (non-AB 617 needs)	Qualimetrics	✓	-	-	-	continuous

DEPLOYMENT

Permanent Sites

The two permanent sites, one in Sherman Heights and one in San Ysidro, are expected to be fully operational by late 2018 or early 2019.

Temporary Sites

All the instruments and shelters are built to order, so deployment en masse is not logistically possible by both the manufacturer and the District. The District will deploy the cabinet-style shelters in batches of 3 to 4 per month, depending on site and personnel availability. All temporary sites, will need AC power (standard 120 V, 20 A), fencing (with childproof links), and accessibility by county vehicle.

PERSONNEL

With the addition of 25 temporary sites and two permanent sites, additional personnel will be needed for daily operations, QA/QC functions, and data review/report writing.

Field Technicians

Four (4) additional technicians will be needed. Their duties will include:

- Acceptance test samplers, analyzers, and support equipment
- Install equipment.
- Write/update Operations SOPs
- Maintain field logbooks
- Maintain, operate, troubleshoot, and repair samplers, analyzers, and support equipment
- Scheduled and as-needed maintenance
- Weekly collection and loading of filters
- Weekly checks of the samplers
- Monthly QC of the samplers
- Data review

Laboratory Personnel

Three additional chemists (1 supervisor and 2 subordinate chemists) will be needed.
The supervisory chemist duties will include:

- Level 3/final data review of the laboratory data.
- Review of the QA/QC instrument reports.
- Writing of monthly/quarterly/annual reports.
- Interface with the public.

The subordinate chemists' duties will include:

- Level 2/preliminary data review of the laboratory data.
- Filter preparation for SASS samplers
- Quarterly QA/QC for the samplers
- As-needed QA/QC for the samplers
- Interface with the public

COSTS

Table 12 lists the price of the instruments, temporary shelter infrastructure, and other such costs.

Table 12. Costs

Function	Equipment	SES	BL/NC	SAY	SY/OM	Other	Cost/unit	Cost (total)	Comment
PM-Diesel (1:3)	Met One SuperSASS	1	15	1	10	3	$21,000	$630,000	
Calibration, Audit Kit	Mesa Labs	1	3	1	2	1	$3,500	$28,000	
Lab Analysis	Contractor	1	15	1	10	3	$75	$274,500/yr	
Filters	Fisher	1	15	1	10	3	$3.00	$10,980/yr	
PM-Diesel (continuous)	DMT PAX	1	-	1	-	-	$50,000	$100,000	
Calibration Kit	DMT	-	1	-	-	-	$5,500	$5,500	
Laser (replacement)	DMT	1	-	1	-	-	$5,000	$10,000/yr	
Optics + consumables	DMT	1	-	1	-	-	$1,500	$3,000/yr	
Pump	DMT	1	-	1	-	-	$1,500	$1,500/2-yrs	As needed
Toxic-Metals	Xontech 924	1				1	$25,000	$50,000	
Toxic-VOC	Xontech 901	1	15	1	10	3	$11,000	$330,000	
Fittings + tubing	Entech	1	15	1	10	3	$500	$15,000	
Audit Assembly	Entech diluter + regulators	-	-	-	-	1	$27,000	$27,000	
Audit Gases	Restek	-	-	-	-	1	$6,000	$6,000/yr	
Lab Analysis	Contractor	1	15	1	10	3	$265/SIM, or $250/SCAN, or $225/SCAN	$490,250, or $462,500, or $416,250/yr	Sliding scale, depending on need
Flow Check	Bubble Meter	-	-	-	-	2	$500	$1000	
Shelter	Shelter One	-	15	-	10	-	$15,000	$375,000	
Fencing	Local	-	15	-	10	-	$1,500	$37,500	Each move = unit cost
Movers	Local	-	15	-	10	-	$1,000	$20,000	Each move = unit cost
Electricity	Local	-	15	-	10	-	$150	$3,750	Estimate
LIMS	Unknown	-	-	-	-	1	$200,000/ Start-up cost	$20,000/ Annual fee	Estimate
Mapping & tracking	Envirosuite software	-	-	-	-	1	$3,300/mo	$39,600	Multiple user license
Graphing (for presentations)	Igor software	-	-	-	-	2	$1,000	$2,000	2 user license
Spanish Translation	Contractor	1	1	1	1	-	$5,000/qtr	$20,000/yr	Estimate
Tools & fittings (new staff)	Home Depot	-	-	-	-	7	$200	$1,400	Estimate
Cubicle addn. (new staff)	Contractor	-	-	-	-	6	$70,000	$50,000	Estimate
Vehicle (Prius)	County Fleet	-	-	-	-	2	$35,000	$70,000	
Vehicle (2nd Audit van)	County Fleet	-	-	-	-	1	$120,000	$120,000	For FY 2019/2020

DATA REVIEW & REPORTING

Laboratory Data

It is more efficient and economical to analyze and review laboratory-based carbon data in batches. The contractor will analyze the data monthly, send it to the District, and District staff will then perform a level 2/preliminary data review and post the results on the District website. A quarterly level 3/final data analysis will be undertaken by a senior chemist (3 months after the conclusion of the quarter). It will also be posted on the District website. The senior chemist will meet quarterly with members of the community to answer any questions regarding the data. An end of the year report will be written and posted on the District website no later than 3 months after the end of the year (all reports will be translated into Spanish).

The Toxic-VOC data analysis is much more complex because there are over 50 compounds to review. This will require more time. We will then perform a level 2/preliminary data review and post the results on the District website quarterly. A semi-annual level 3/final data analysis will be undertaken by the senior chemist (3 months after the conclusion of the quarter). It too will be posted on the District website. The senior chemist will meet quarterly with members of the community to answer any questions regarding the data. An end of the year report will be written and posted on the District website no later than 3 months after the end of the year (all reports will be translated into Spanish).

Continuous Data

It is more efficient and economical to analyze and review Carbon-Continuous data in batches as well. District staff will analyze the data weekly, and perform a level 2/preliminary data review and post the results on the District website and post the data monthly. A quarterly level 3/final data analysis will be undertaken by the senior chemist. It too will be posted on the District website. The senior chemist will meet quarterly with members of the community to answer any questions regarding the data. An end of the year report will be written and posted on the District website no later than 3 months after the end of the year (all reports will be translated into Spanish). Table 13 summarizes the reporting schedule.

Table 13. List of Sites, Equipment, and Reporting Schedule (SES= Sherman Heights Elementary School; Port= Community of Portside Environmental Justice Neighborhoods; SAY= Community of San Ysidro / Otay Mesa; SY/OM= San Ysidro Fire Station)

Parameter	Equipment	SES	Port	SY/ OM	SAY	Level 2	Level 3
NO_2-Gaseous diesel (continuous)	Thermo 42i	✓	-	-	✓	daily	quarterly
$PM_{2.5}$ (1:3)	Met One E-SEQ-FRM	✓	-	-	-	quarterly	quarterly
$PM_{2.5}$ (continuous)	Met One BAM 1020	✓	-	✓	-	daily	quarterly
PM-Diesel (1:3)	Met One SuperSASS	✓	✓	✓	✓	quarterly	quarterly
PM-Diesel (continuous)	DMT PAX	✓	-	✓	-	daily	quarterly

THOUGHTS ON INITIAL DISTRICT SAMPLING LOCATIONS

It is understood that the steering committees will provide input on the community monitoring plan, District staff have already started looking at possible sites and engaging the community. The District feels strongly that this initial work is needed due to the very tight deadline (AB 617 monitoring deadline of July 1, 2019). To find

suitable locations, obtain property owner approval, finalize contracts and MOUs, install suitable electrical power, obtain contractors, site preparation, instrument availability, and instrument installation/testing/initial calibration all take time.

The first five locations selected are based on concerns from community residents. Purple Air Sensor locations (in purple), District locations (referenced by street name in white), close-by truck source (in turquoise) below

Overview of five possible District sampling locations are on the following pages (Figures 8-18).

Figure 8- Overview of five locations

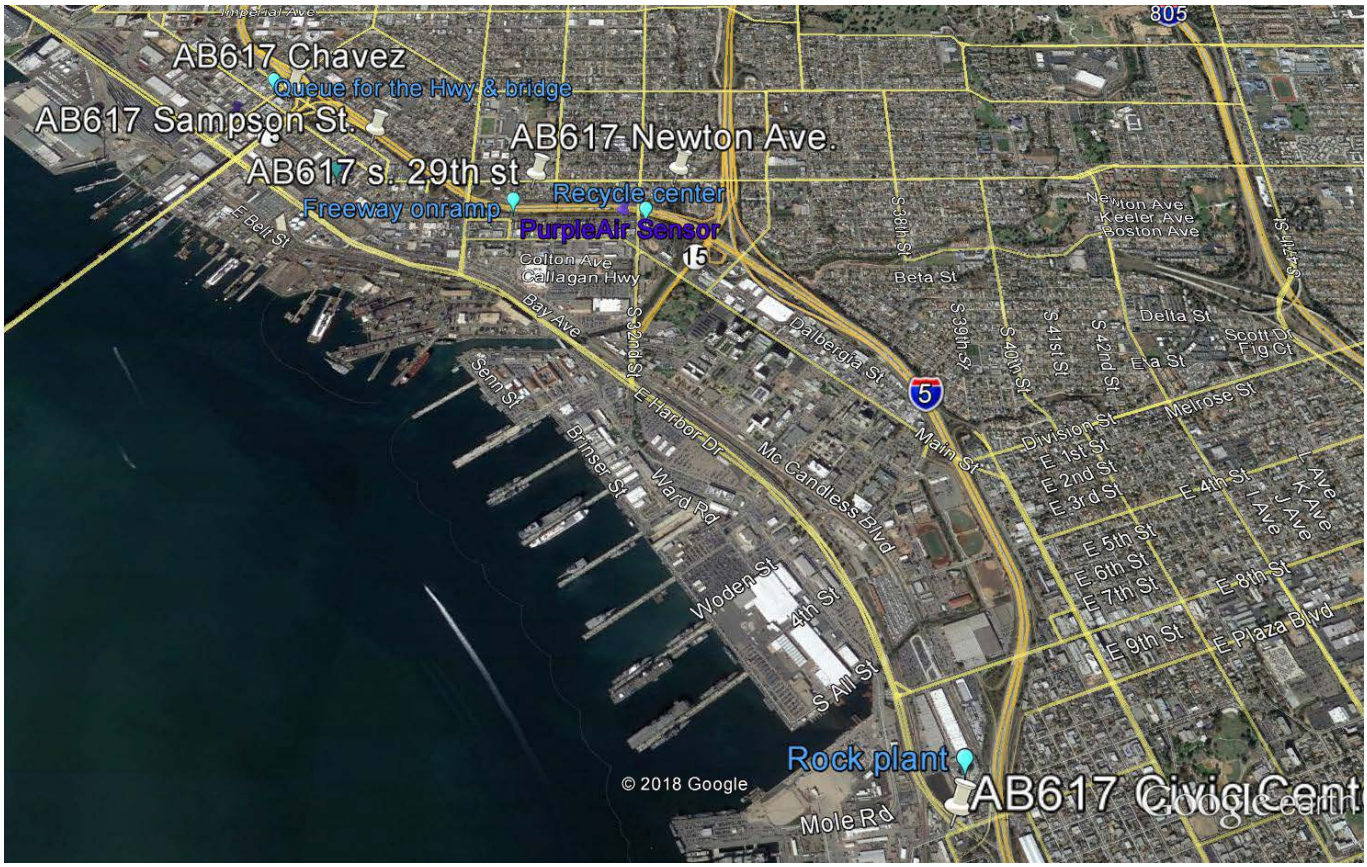


Figure 9- District sampling location on Caesar Chavez Parkway

Figure 10- View of the sampling location looking towards Caesar Chavez Parkway and abutting the Coronado on-ramp

Figure 11- Bird's Eye View of District location on Sampson St. Location

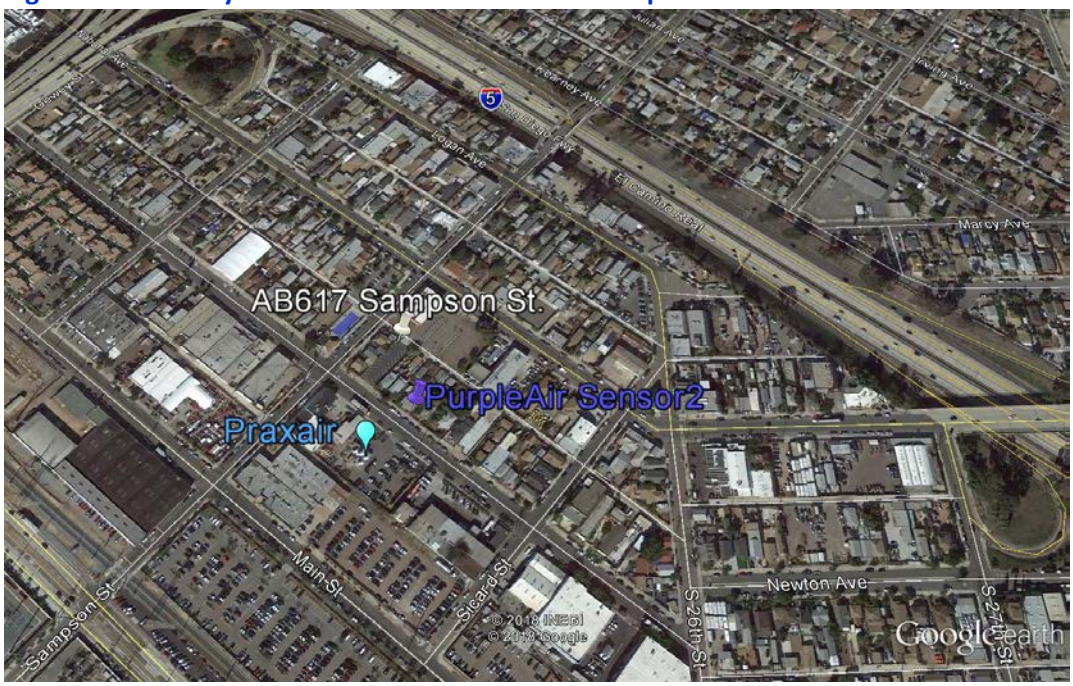


Figure 12- View of the sampling location looking south to the Praxair facility

Figure 13- Bird's Eye View of AB617-29th St. Location

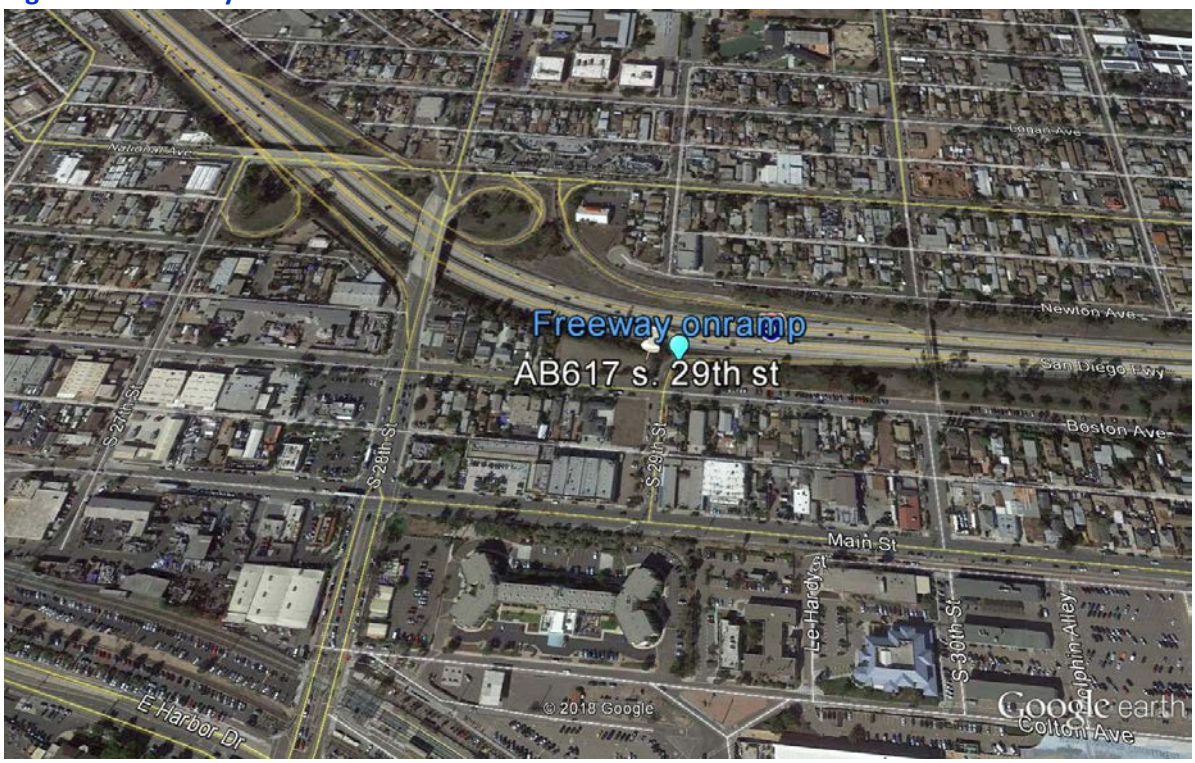


Figure 14- View of the District sampling location looking at S. 29th St.

Figure 15- Bird's Eye View of the District sampling location on Newton

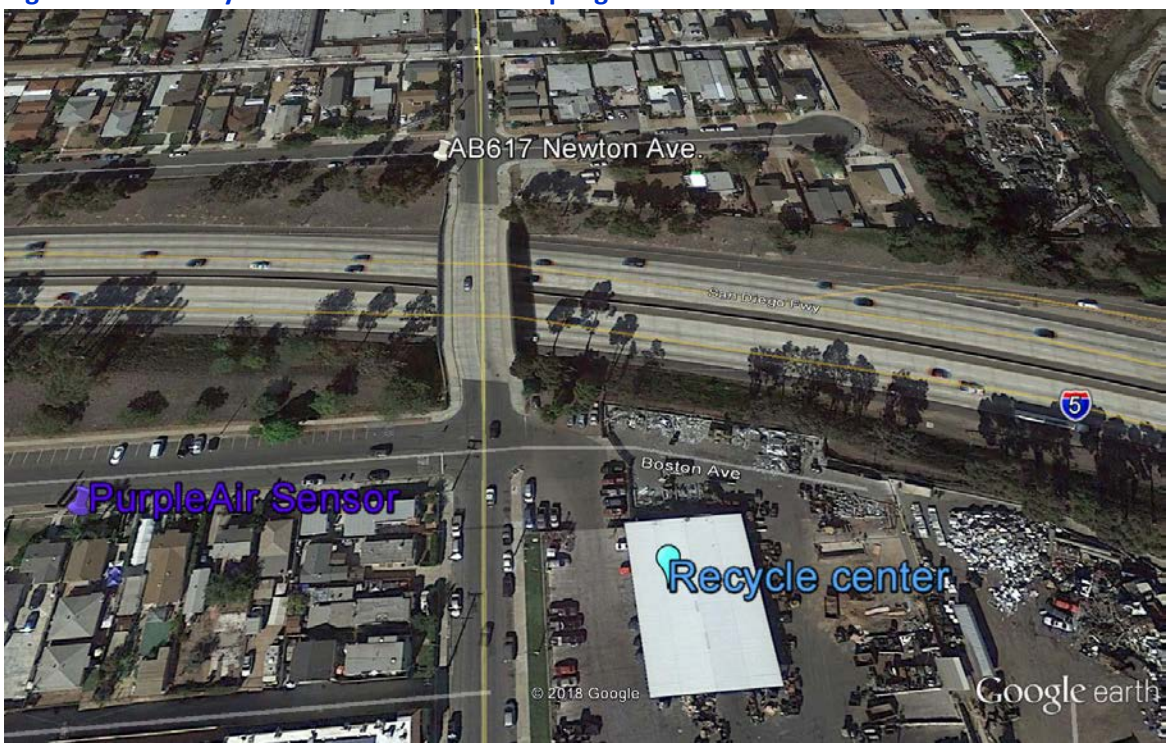


Figure 16- Sampling location on Newton

Figure 17- Bird's Eye View of the District sampling location on Civic Center Locations

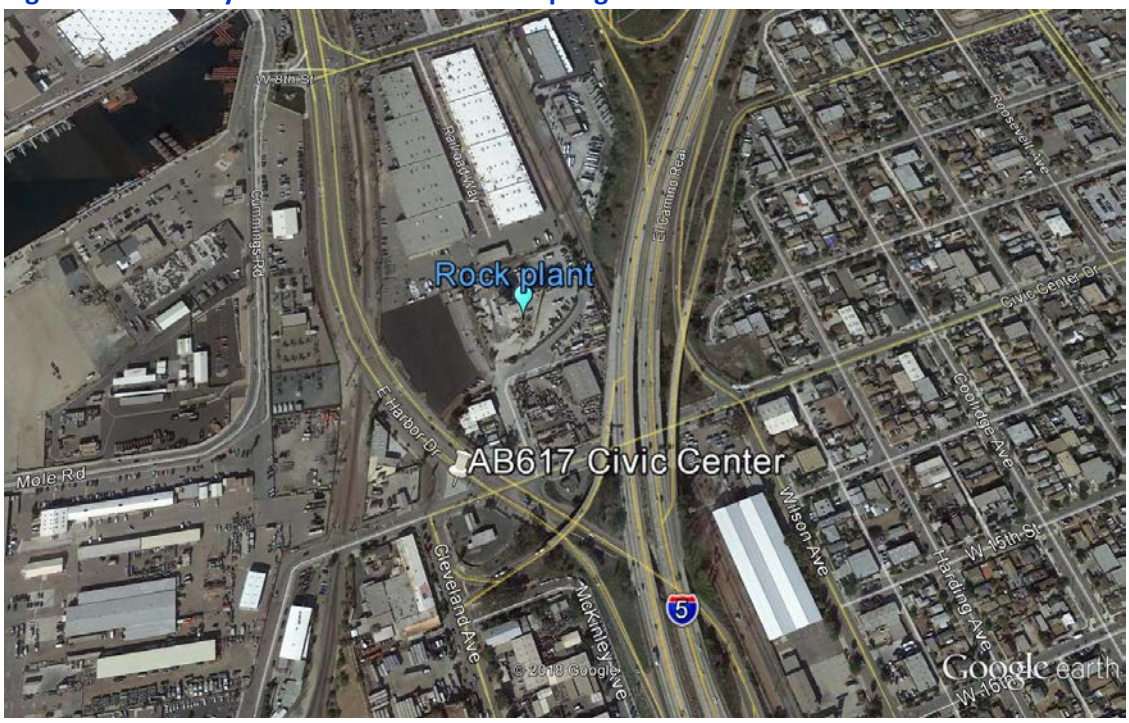


Figure 18- View of the sampling location looking at the rock plant

INTERIM EMISSION REDUCTION EFFORTS IN THE PORTSIDE COMMUNITIES

While not formally nominating any San Diego communities for the emission reduction program this year, the efforts listed below demonstrate how the District has been committed to reducing emissions and further engaging with the communities:

- *Further enhanced the mobile source program to reduce emissions from On-Road and Off-Road diesel vehicles by conducting additional inspections and increasing outreach efforts, which can increase compliance rate*
- *Engaged the community members to identify problem areas in their communities. Based on the feedback provided by the community the District and the Department of Environmental Health jointly conducted compliance inspections of certain businesses identified by the community. This effort will continue as we hear more from the community*
- *Assigned bilingual inspectors and supervisors to the Portside community to facilitate and encourage the discussions between the District and community members*
- *Provided training in Spanish on how to report air quality complaints to the community*
- *Prepared outreach material in Spanish on air quality complaints*
- *Committed to redesign the mobile app for complaints to make it available in Spanish*
- *Provided outreach on the Community Air Protection Program in Spanish to further highlight the importance of the collaborative efforts during the implementation of this program*
- *Increased the inspection frequency in the areas*

The District is actively seeking projects within the communities. The District has survey forms on its website for interested parties to provide their opinion where emission reductions are most needed.

The District fully expects to identify additional incentive projects in these disadvantaged communities during the monitoring period and will be seeking State funding for these projects. Incentive projects at the port, the border, and industry/transportation-related that support these communities are likely candidates.

We are actively seeking input from the public and businesses. We sent this card out to businesses in the communities to get their input (Figure 19, Pages 38-42).

Figure 19- Survey Card Mailed Out to Businesses in Identified Communities

Community Survey Form

San Diego County Air Pollution Control District

Community Air Pollution Survey

In response to Assembly Bill (AB) 617 (C. Garcia, 2017), the California Air Resources Board (ARB) established the Community Air Protection Program (Program). The Program's focus is to reduce exposure in communities most impacted by air pollution. This first-of-its-kind statewide effort will require community air monitoring, community emission reduction plans, and incentive funding to deploy the cleanest technologies in the most impacted areas. The Air Pollution Control District (District) will be leading efforts to implement the Program in San Diego County.

The District needs your feedback to identify sources of air pollution in your community that you are most concerned about. Your feedback will assist the District in making an informed decision during project selection for upcoming grant funds (more information on available opportunities can be found on the District's website at: http://tinyurl.com/sdapcd-moyer). Mobile sources emit over 67% of air pollutants in the region and this survey is targeted to that source category. If you are aware of other sources of pollution, please provide us with any information you may have on the last page of the survey.

Your involvement is critical to improving air quality in your community. **THANK YOU FOR YOUR PARTICIPATION!**

☐Individual
☐Organization/Industry/Business
Organization/Business name:
Number of employees or members:
☐Other:

Name (optional):
Your community ZIP code: Email Address:

City:

Phone Number:

Can the District contact if you we have any questions? ☐ Yes ☐ No

OVERVIEW

☐Excellent ☐Good ☐Acceptable (most of the time) ☐Bad ☐Terrible

The equipment types described on the following pages are potentially eligible for grants through the District. Please rate your level of air pollution concern for each equipment type in your community. Please mark "Not Applicable" if an equipment type is not common in your community. For example, if you live in an inland area, you can select "Not Applicable" for ocean-going vessels. The photos included are only used to show examples of the different types of equipment.

Heavy-Duty Trucks - Heavy-duty trucks are the largest class of trucks weighing more than 33,000 lbs. Examples include dump trucks, concrete pump trucks, refuse hauling, long-haul, port/drayage trucks, charter buses, emergency trucks, etc.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Medium-Heavy-Duty Trucks - Medium heavy-duty trucks weighing between 19,501 lbs. and 33,000 lbs. Examples include large delivery trucks.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned

☐Not applicable

Light-Heavy-Duty Trucks – Light heavy-duty trucks are smaller trucks weighing between 14,001 lbs and 19,000 lbs. Examples include small delivery trucks, large vans, and work/utility trucks.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

School Buses - A type of bus used to transport students to and from school or school-related activities, but not including a charter bus or transit bus.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Transit Buses - A bus that provides transportation to the public, charges set fares, and runs on fixed routes. Most transit buses in San Diego run on compressed natural gas. Examples include MTS or NCTD.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Passenger Vehicles - A car, truck or van intended primarily for passenger transportation. Examples include most cars, SUV's, and pickup trucks.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Ferries - A boat or ship that provides transportation to the public, charges set fares, and runs on a schedule, such as a commuter ferry.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Ocean-Going Vessels - The largest ships or boats used to transport cargo (containers, liquids, vehicles, bulk goods, etc.) or passengers over long distances. Examples include container ships, tankers, and cruise ships.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Harbor Craft - Smaller boats that operate mostly within the waters of San Diego County and San Diego Bay. Examples include fishing boats, charter boats, tug boats, and work boats.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Freight Locomotives - A train engine used for moving freight trains. Examples include BNSF or SDIY.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Passenger Locomotives - A local or long-distance passenger train. Examples include Amtrak, COASTER, and the San Diego Trolley.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Construction Equipment - Equipment specially designed for executing construction tasks, most frequently involving earth-moving operations. Examples include loaders, excavators, bulldozers, and cranes.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Industrial, Port, Airport Equipment - Equipment used to move objects short distances for industrial, port, or freight operations. Examples include forklifts, port cranes, and airport ground support equipment.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

Agricultural Equipment - Equipment used in agricultural operations. Examples include: tractors, loaders, harvesters, etc.

☐Not at all concerned
☐Somewhat concerned
☐Very Concerned
☐Not applicable

QUESTIONS

- Please list any specific businesses in your community that operate the equipment described on the previous pages and that may be good candidates for air pollution reduction grants from this program. Provide the business name and location if possible.

- Please list any opportunities in your community for us to provide more information about SDAPCD grant programs. Examples include planning group meetings or Chambers of Commerce.

- Please identify any areas in your community where there is a lot of activity from the equipment types identified above.

- Please list any other air pollution sources not identified above that you know about in your community.

- Please use this space to provide any additional comments.

Please submit your survey to SDAPCD in one of the following ways:

In person at a community meeting

Email: cleanairgrants@sdcounty.ca.gov FAX: (858) 586-2601

THANK YOU FOR YOUR PARTICIPATION!

PRINT - Click Here -->

EMAIL - Click Here -->

PLAN TO IDENTIFY STRATEGIES AND REDUCE EMISISONS AND EXPOSURE:

Short-Term (0-3 years)

1. Identify District strategies that can be implemented now
    a. Complete BARCT analysis by December 31, 2018.
    b. Identify and implement a community-level inspection strategy by 12/31/18
    c. Advocate for incentive funding
    d. Identify any needed regulatory changes
    e. Re-prioritize inspection strategies as needed
    f. Develop community partnerships that foster engagement
        i. Develop steering committee
        ii. Schedule public meetings
    g. Develop community monitoring platform
        i. Who does it?
        ii. What is measured & how often?
        iii. How do we report it?

2. Investigate Community Mitigation Strategies in the Future
    a. Air filtration, buffers, and vegetative barriers
    b. Reduced vehicle miles traveled plans
    c. Alternate truck routes
    d. Green vehicles, fueling stations
    e. Clean homes
    f. Additional air monitoring

Long-Term (3 years – 10 years)

1. Annual review of community factors, including air quality data
    a. Re-prioritize inspection strategies as needed
        i. Check non-compliance rates
        ii. Have air pollution sources changed?
    b. Adjust incentive funding strategy as needed
        i. Funding sources may change
        ii. Will they affect our reduction goals?
    c. Adjust community monitoring as needed
        i. Technologies may change
        ii. Pollution sources may change
    d. Review regulations
    e. Review community strategies

MOBILE SOURCE EMISSION REDUCTIONS THROUGH INCENTIVE FUNDING

Mobile Source Emission Reductions through Incentive Funding

Table 14- Summary of emissions by type (shown previously)

EMISSION SOURCE (TONS/DAY)	ROG	NOX	PM2.5	TOTAL FOR (ROG, NOX, PM2.5)	DIESEL PM (%) OF TOTAL
MOBILE SOURCE	52.2	89.7	5.1	147	91
AREAWIDE	33.9	1.7	12.2	47.8	6
STATIONARY SOURCE	29.2	4	2.7	35.9	3
TOTAL	115.3	95.4	20	230.7	100

As has been discussed in this, the District must do its part to help communities and we are committed to this effort. As shown above in Table 14, mobile source emission reductions are key to success. With the majority of emissions being mobile source related, mobile emission reductions are critically needed. For example, per modeling completed in 2017, we need a total of 22.8 tons/day of NOx emission reductions in order to reach attainment for the 2015 national ozone standard (70 ppb). A 26% reduction in NOx mobile source emissions would get us there, while a 26% reduction in stationary source NOx emissions would yield reductions of approximately one ton, over 21 tons short of the required amount. If all the stationary sources in the county shut down, we would still be short over 18 tons of the required reductions. As such, the District believes a heavy focus on mobile source emission reduction will be critical to improving air quality in the identified communities, but also to attain state and national ozone standards.

The incentive funding is key to reducing the diesel PM, which is a major concern for the Community of Environmental Justice Neighborhoods. Per CES 3.0, Diesel PM is in the 95+ percentile for this community. Diesel emission reductions are needed to significantly reduce the associated health risk.

The District will work with facilities, both permitted and unpermitted by the District, in the identified communities that utilize diesel-powered mobile equipment in their operations to see how diesel emissions can be lowered. For example, if a stationary source facility contracts out for trucking services or off-road activities, require contractors utilize the cleanest-operating equipment possible. If electric-powered equipment is possible, but an adequate charging system is lacking, perhaps incentive funds could be utilized. These possibilities will be explored by the District in collaboration with all parties.

MOBILE SOURCE PROGRAM AND INSPECTION STRATEGY IN DISADVANTAGED COMMUNITIES

Historically, the District has regulated stationary sources of air pollution for more than 63 years. However, because over seventy percent of the total air pollution in San Diego County is emitted by mobile sources the District sees a need to reduce emissions from these sources.

Over the past 15 years, CARB has adopted various diesel regulations that apply to tens of thousands of vehicles, vehicle fleet owners, and off-road equipment. Although these regulations apply to many types of mobile sources, the number of statewide inspections have been somewhat limited due to CARB staff limitations, as do we all. The State of California is a vast geographic region with thousands of miles of roads, hundreds of construction sites, tens of thousands of diesel powered vehicles and pieces of equipment. It therefore makes sense to engage the inspection resources of the San Diego County Air Pollution Control District to help with the mobile source inspections within San Diego county.

In 2014 the District signed a Memorandum of Understanding (MOU) with the California Air Resources Board (CARB) that allows it enforce certain mobile source regulations. The MOU grants the District authority to enforce specific mobile source regulations, including the *In-Use Off-Road Diesel Vehicle Regulation* (for off-road construction equipment) and the *In-Use On-Road Heavy-Duty Diesel Vehicles Regulation* (a statewide truck and bus regulation). These rules focus on reducing diesel exhaust emissions and the public's exposure to toxic diesel pollutants, which adversely impact public health (they are a known carcinogen).

In 2014, when the MOU was signed, the CARB Enforcement Report provided the following statewide non-compliance rates for three main regulations:

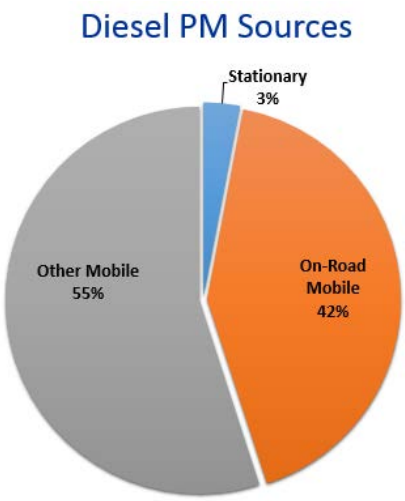
Table 15- Statewide Non-Compliance Rates for Mobile Equipment

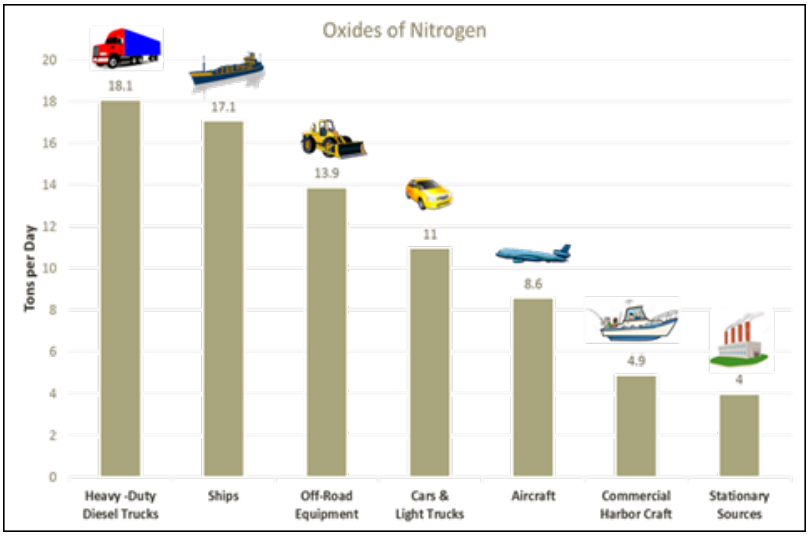
Non-Compliance Rate	Regulation	No. of Inspections
21%	Truck and Bus Program	5,372
32%	Transport Refrigeration Unit Program (TRU)	2,443
23%	Off-Road Diesel Vehicle Program	336

During the same period, the non-compliance rate for stationary source inspections was about 7 % (based on 8,791 inspections). The District has been striving to decrease the non-compliance rates for mobile source regulations by partnering up with CARB, enhancing outreach and training efforts, and increasing the number of inspections.

The graphs in Figure 20 highlight the sources of nitrogen oxides and diesel particulate matter (PM). Nitrogen oxides contribute to the formation of ozone, which negatively impacts public health by damaging lung tissue and being an eye, nose, and throat irritant. Especially vulnerable are children, the elderly, and people with respiratory ailments. Diesel particulate matter can contribute to a range of health problems, including irritation to the eyes, throat and nose, cardiovascular disease, and lung cancer.

Figure 20- Diesel and NOx Sources by Category





Enforcing mobile source regulations is critical to reducing air pollutant emissions from those sources in San Diego County. The District has been working to address this issue by undertaking substantial public outreach, closely working with stakeholders and doing inspections of vehicles to verify compliance with On-Road regulations. Inspections are being done at the San Ysidro and Otay Mesa Border crossing areas, the CHP Weigh Station near San Onofre on Interstate 5, the CHP Weigh Station near Rainbow on Hwy 15, in the Port of San Diego, and at local trucking companies. Additionally, we have divided the county into 4 sectors where each one is assigned to a mobile source inspector who is responsible for enforcing all regulations under the MOU with CARB. Furthermore, the District inspectors are conducting mobile equipment inspections at construction sites. They are monitoring locations where illegal truck idling is likely to occur (such as in downtown San Diego and the port area), and packing houses where Transport Refrigeration Units (TRU's) on trucks and trailers operate. In 2017, we revised the MOU to allow the District to settle citations issued for Off-Road equipment and TRU violations. Settling these citations in-house will make the process more efficient and will allow District staff to closely work with operators as they correct deficiencies. Additionally, since November 2017, the mobile source team is spending at least one day per week conducting inspections in Environmental Justice areas.

Based on 2017 data, Table 16 shows the existing mobile source non-compliance rates in San Diego.

Table 16- Mobile Source Non-Compliance Rates Based on District Inspections

Non-Compliance Rate	Regulation	No. of Inspections
33%	Truck and Bus Program & Transport Refrigeration Unit Program	787
19%	Off-Road Diesel Vehicle Program	2,967

Table 17- (7/19/2018) below is an update on the Mobile Source Inspection Compliance Rates

Mobile Source Inspection Stats
Jan - June, 2018

	Total Inspections	Total Violations	% Violations
Commercial Vehicle Idling	99	1	1%
State Truck and Bus	278	25	9%
TRU	256	61	24%
Off-Road	2,357	310	13%
Heavy Duty Vehicle Inspection Program	39	4	10%
Emission Control Label	152	3	2%
Drayage Truck	2	0	0%
School Bus Idling	7	0	0%
Sum	3,190	404	13%

The District's mobile source program continues to evolve and we have been able to increase the number of inspections and work to educate the regulated businesses, which will lead to increased compliance.

STATIONARY SOURCE INSPECTION PROGRAM AND STRATEGY IN DISADVANTAGED COMMUNITIES

The San Diego Air Pollution Control District's mission statement is "*Improve air quality to protect public health and the environment*." In order to support this mission, the Compliance Division has the following programs:

- ✓ Stationary Source Inspections – We strive to inspect all permitted facilities at least once a year. Currently the District has 8,228 active permits for various sources.

- ✓ Air Quality Complaints – The District quickly responds to all air quality complaints, often on the same day. In 2017 we received and responded to 801 air pollution related complaints.

- ✓ Asbestos Inspections – Asbestos is a hazardous air pollutant for which there's no safe level of exposure. The District enforces asbestos regulations meant to prevent asbestos emissions during renovation and demolition projects. This prevents human exposure to asbestos fibers and public nuisances.

- ✓ Statewide Portable Equipment Registration Program (PERP) - The District inspects PERP registered equipment to verify compliance with the State's Portable Diesel Engine Airborne Toxic Control Measure (ATCM) and other applicable requirements.

Although most stationary sources are inspected annually, certain sources are inspected more frequently. For example, sources subject to Title V of the Clean Air Act are inspected twice per year. Additionally, for several years the District has been conducting more frequent inspections in the portside community, which is considered a disadvantaged community in accordance with CalEPA.

During the EHC-CARB tour on June 1st and 2nd of this year, concerns from the community were expressed about some business operations. Inspections were conducted by District inspectors along with staff from the Department of Environmental Health. Some non-compliance issues were discovered and are being addressed by staff.

Community of Portside Environmental Justice Neighborhoods

Stationary Sources of Air Pollution

Currently, the Barrio Logan area has 318 APCD permitted facilities, amounting to approximately 4% of all the stationary source permits in San Diego County. Over 50% of the 318 permits are for coating and abrasive blasting operations and engines (see Appendix 6 for a list of the permits). Noteworthy is that the District has been conducting quarterly inspections at the following facilities within the Barrio Logan area. The District chose to inspect them more frequently than other facilities because they are the largest of the permitted sources, comprising 36% of the permits in the area.

- ✓ BAE Systems
- ✓ Chevron USA Inc
- ✓ CP Kelco
- ✓ General Dynamics NASSCO
- ✓ Tesoro Logistics Operations

Stationary Source Violations in the Community of Portside Disadvantaged Neighborhoods

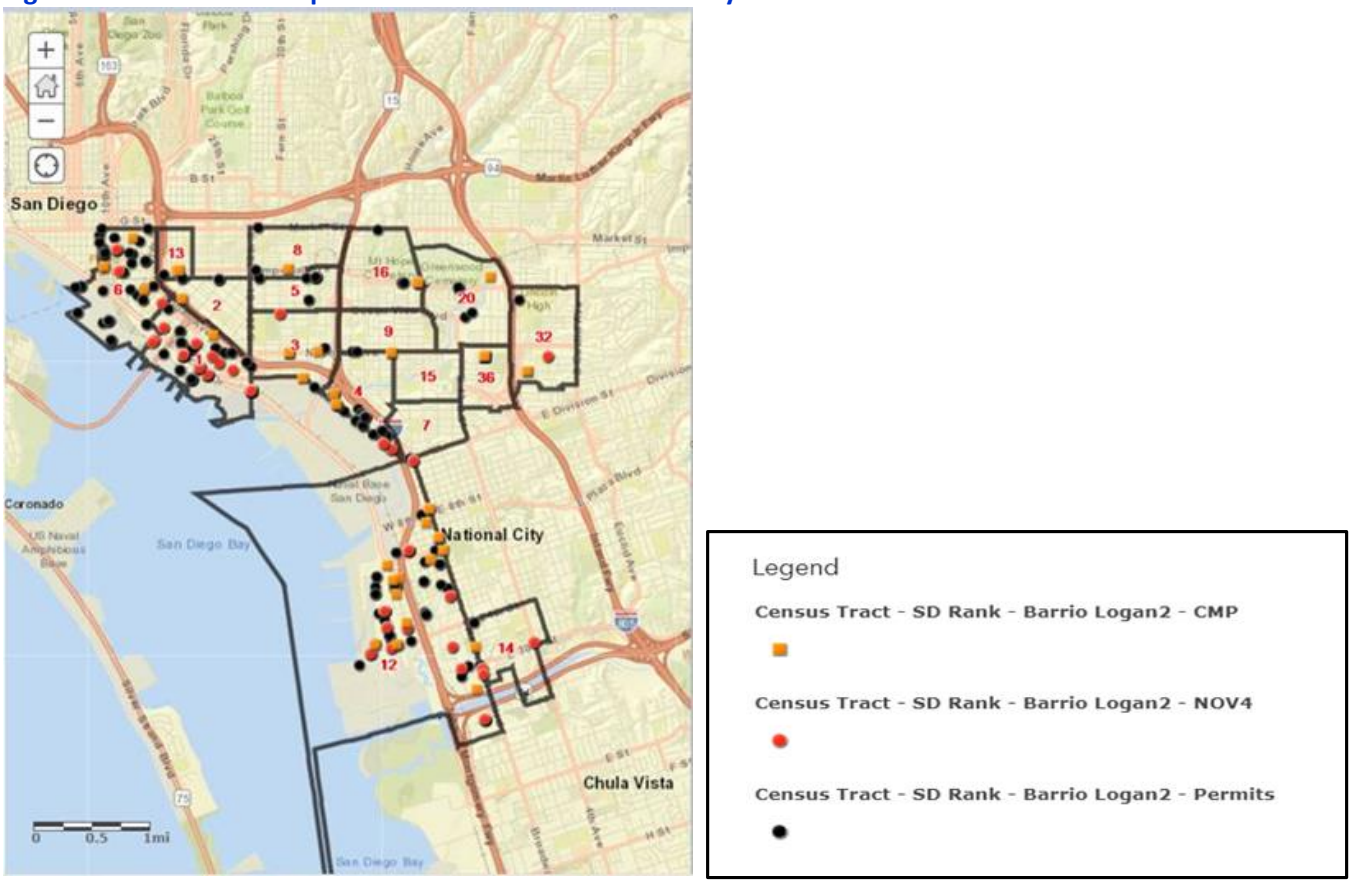
In the time span of January 1, 2016, to the date this document was drafted, a total of 2,205 Notices of Violations (NOVs) were issued to facilities located within San Diego County. Of those NOVs, only 66 (or 3%) of them were issued to facilities located in portside community. As shown in Table 18, below, 38 NOVs were emissions related and 20 were for administrative violations. Such violations encompass failing to keep proper records and not conducting required maintenance. Additionally, eight of the NOVs were issued to facilities for operating without a required APCD Permit to Operate.

Table 18- NOVs issued in Community of Portside Environmental Justice Neighborhoods

No. of NOVs Issued since January of 2016 –Portside	
Total No. of NOVs	66
No. of Emissions Related NOVs	38
No. of Administrative NOVs	20
No. of NOVs for Operating without APCD Permit	8
Types of NOVs Issued since January of 2016 –Portside	
Percentage of NOV Related to Coating Operations	33%
Percentage of NOV Related to Gasoline Bulk Terminals	18%
Percentage of NOV Related to Engines	17%
Percentage of NOV Related to Gas Stations	8%

In addition to evaluating the NOVs issued within the Barrio Logan area, the District also analyzed the number of air quality complaints received from that community. Since January of 2016, the District has received a total of 1,739 air quality complaints and 43 (2.5%) of them were for the portside community (see Figure 21). The majority of the complaints were related to odors and smoke, but there were a few related to vehicle idling and asbestos removal.

Figure 21- NOVs and complaints received for the community



The District will further engage with the community to ensure residents and business owners to both learn more about their concerns and help people understand how we can serve them. One recent example is where we were informed that our cell phone complaint app needs to be in Spanish as well as English. That is now in the works.

Actions recommended and being undertaken to ensure the District better serves the Barrio Logan community

- The District will be conducting mobile source inspections at the Barrio Logan area at least twice per month.
- The District will continue to work with CARB to establish an agreement with the CHP that will allow the District to conduct truck inspections independently of CARB staff. This will result in more frequent inspections at CHP stations.
- The District will work with CARB to conduct additional inspections at the gasoline bulk terminals located in the community.
- District will enhance its education and outreach efforts by promoting and providing additional training classes for the regulated community.
- The District will continue to engage with community members to improve our understanding of their needs and to enable us to better serve them.

Community of San Ysidro / Otay Mesa

Currently the San Ysidro and Otay Mesa areas have 137 District-permitted businesses, which represent about 1.7% of all permits in San Diego County (see Attachment 7 for a listing of the permits). The majority of the 137 permits are for engines, gasoline dispensing facilities, and coating operations.

In addition to inspecting the permitted sources within these areas, the District's mobile source team began conducting mobile equipment inspections in November 2017 in this community and in other communities that have been identified as disadvantaged communities by CalEPA.

To gain a better understanding of the causes of excess air pollutant emissions the District evaluated the Notices of Violations (NOV) issued for facilities located in the San Ysidro/Otay Mesa community (see Table 16).

Since January 1, 2016, a total of 2,205 NOVs have been issued to facilities located in San Diego County. Table 19 shows that 75 of the NOVs issued (3.4%) were for facilities located in San Ysidro/Otay Mesa areas. Out of the 75 NOVs issued, 32 NOVs were emission related, 37 were for an administrative violation (meaning the NOVs were issued for not having records available on site or for not conducting required maintenance), and 6 were issued for operating without a permit.

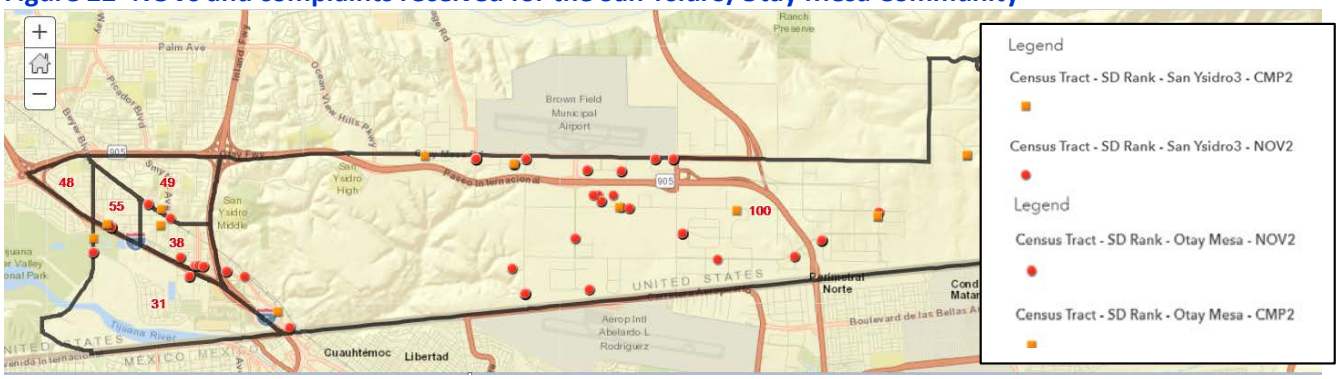
Table 19- NOV Breakdown by Category

No. of NOVs Issued since January of 2016 – San Ysidro/Otay Mesa	
Total No. of NOVs	75
No. of Emission Related NOVs	32
No. of Administrative NOVs	37
No. of NOVs for Operating without a Permit	6
Types of NOVs Issued since January of 2016 – San Ysidro/Otay Mesa	
Percentage of NOV Related to Gas Stations	47%
Percentage of NOV Related to Engines	19%
Percentage of NOV Related to Coating Operations	12%

The percentage of violations issued to gasoline stations is significant. The District offers gas station training classes multiple times per year, but it will enhance outreach by promoting its training classes that will educate facility operators about staying in compliance.

In addition to evaluating the NOVs issued for the San Ysidro/Otay Mesa areas the District also analyzed the number of air quality complaints received for these communities. Since January 2016, we have received a total of 1,739 air quality complaints for San Diego County, with 54 of these complaints being in the San Ysidro/Otay Mesa areas. This is approximately 3% of all complaints received (see Figure 22). The vast majority of the complaints (70%) were related to odors and dust, but there were a few related to smoke and asbestos removal.

Figure 22- NOVs and complaints received for the San Ysidro/Otay Mesa Community



In summary, the following actions will be taken to better serve the San Ysidro/Otay Mesa community:

- ✓ The District will be conducting mobile source inspections at the San Ysidro/Otay Mesa areas at least twice a month.
- ✓ The District will continue to work with CARB to establish an agreement with CHP that will allow the District to conduct inspections independently, which will result in more frequent inspections at CHP stations.
- ✓ District will enhance our outreach efforts by promoting our training classes and educating facilities on how to avoid violations.
- ✓ The District will further engage with the community to ensure residents and business owners understand how we can serve them.

POTENTIAL METRICS TO TRACK PROGRESS:

Emission reductions due to plan (calculated or measured)
Number of public meetings
Amount of incentive dollars spent
Additional number of monitors / sensors implemented
Number of additional inspections (mobile and stationary)
Amount of reduction in health risk (acute, chronic, cancer)
Local economic impacts
Number of hospital visits

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Include process where plans reviewed by appropriate counsel

(For the District it will be County Counsel, Paula Forbis)

DISTRICT CONTACT INFORMATION:

San Diego County Air Pollution Control District
Robert Kard, Director/Air Pollution Control Officer
10124 Old Grove Road
San Diego, CA 92131
(858) 586-2600

Lead Contacts: Jon Adams; Jon.adams@sdcounty.ca.gov; (858) 586-2653

Eric Luther; Eric.luther@sdcounty.ca.gov; (858) 586-2656

District Subject Matter Experts:

Inspections and Public Complaints– Mahiany Luther, mahiany.luther@sdcounty.ca.gov

Air Quality Monitoring- Bill Brick, bill.brick@sdcounty.ca.gov

Incentives/Grants- Kathy Keehan, kathleen.keehan@scounty.ca.gov

Nick Cormier, nick.cormier@sdcounty.ca.gov

Emission Inventory/BARCT/Permitting- jim.swaney@sdcounty.ca.gov

APPENDIX 1

Cost to Implement Program

EQUIPMENT / SERVICE	Cost of Each Equipment Type or Lab Sample	Number of Instruments	# Lab Samples Annually	Ongoing Cost of Replacement Parts	Initial Cost for Equipment	Annual Lab Analysis Costs
Sampler Super SASS (Diesel PM)	$21,000	28		$1,500	$588,000	
Lab Cost (Per Diesel PM Sample)	$75		3700			277,500
Sampler Xontech 901 (Toxic-VOC)	$11,000	28		$100	$308,000	
Lab Cost (Per Toxic-VOC Sample)	$375		1850	$500		$693,750
Sampler Enclosure	$20,000	28			$560,000	
Laboratory Info Management System (for AB-617 Portion)					$200,000	
Public Air Quality Reporting Tool (Dependent on CARB direction)					$300,000	
Continuous Diesel PM	$50,000	3		$7,000	$150,000	
Data logger	$10,000	3			$30,000	
Modeling-Third Party Contractor					$200,000	
For every shelter move (see below)						
Start Up Costs (moving)	$500	35			$17,500	
Start Up Costs (fencing)	$1,500	35			$52,500	
Rent / Energy Bill (annual)	$3,000	35			$105,000	
Vehicles	$25,000	4			$100,000	
Additional Alternative Sampling (UCSD Ultra Fines; Google Mobile; LIDAR; Sensors)					$300,000	
		TOTAL		**$9,100**	**$2,911,000**	**$971,250**

PERSONNEL	# OF STAFF	COST PER POSITION	ANNUAL COST
Instrument Technician II	4	$127,458	$509,832
Associate Chemist	2	$174,600	$349,200
Senior Chemist	1	$216,504	$216,504
Analyst II ({Public Outreach)	2	$125,712	$251,424
Inspector II	2	$268,884	$537,768
Air Resource Specialist-Incentives	2	$195,552	$391,104
Temporary, Student Workers for Groundtruthing	TBA		$100,000
	TOTAL	**$1,108,710**	**$2,355,832**

TOTAL COSTS	
First Year Total	$6,247,182
First Year Total, less 750K already provided	$5,497,182
Second Year	$3,336,182
Total	**$8,833,364**

APPENDIX 2

COMMUNITY OF PORTSIDE DISADVANTAGED NEIGHBORHOODS

STEERING COMMITTEE NOMINATION FORM AND BYLAWS

COMMUNITY OF PORTSIDE DISADVANTAGED NEIGHBORHOODS

STEERING COMMITTEE NOMINATION FORM

NAME: _____

PHONE NUMBER: _____

EMAIL ADDRESS: _____

AFFILIATION: **Community** _____ **Industry** ____**Academia** _____ **Power Supplier** _____

Medical Expert: _____ **Port of San Diego** _____ **US Navy** _____

SANDAG _____ **City of San Diego** _____ **Other Agencies** _____

REQUEST IS FOR: PRIMARY MEMBER: _____ **Alternate:** _____ **(You can request both)**

INTEREST IN PARTICIPATION: What special knowledge, experience, or perspective can you provide?

_____

_____

_____

_____

_____

_____

_____

_____

Print Name: _____

Signature: _____

Date: _____

GOALS OF STEERING COMMITTEE

The goals of the committee are straight forward. The committee is to hear updates on community air quality monitoring and emission reduction efforts and to provide suggestions to maximize results. The committee will hear concerns from the public and other stakeholders and alert appropriate parties so action, as warranted, can occur promptly.

COMMITTEE BYLAWS

1. The Air Pollution Control Officer will select the members with deference given to suggestions from each of the interest groups

2. The committee shall consist of eight interest groups and up to 25 members:

    - Up to eight members from the community;
    - Up to three industry representatives;
    - Up to three members from academia;
    - One member from the Port of San Diego
    - Up to two members from the US Navy
    - One member from SANDAG
    - Two members from the City of San Diego
    - Up to two medical experts;
    - One member from power generating / suppliers; and
    - Up to two members from other agencies

3. Community members are those residing or working within the Community of Portside Environmental Justice Neighborhoods as defined by the census tracts selected for identifying the community.

4. There may be one alternate for each committee member.

5. Members will serve on a voluntary basis, without compensation, for a two-year term provided, however, that members may continue to serve until a successor has been appointed.

6. Members can be re-appointed.

7. The District will chair the meetings.

8. The Chair will open the meeting; approve the draft agenda and meeting notes by simple majority; adjust the order of agenda items to help facilitate meeting; and close the meeting.

9. Meetings will be held monthly or as appropriate.

10. Members will notify Chair and their alternate if they cannot make a meeting.

11. Meetings will be open to the public.

12. The District will take meeting minutes.

13. The Chair will send out a draft agenda and draft minutes from previous meeting at least 20 days prior to the meeting.

14. The Chair will accept agenda suggestions up to ten days prior to the meeting.

15. The Chair will update the agenda at least five days prior to any meeting.

16. All meetings will have time set aside for public comment.

17. Public comment will be limited to three minutes per person.

18. All meetings will be at a time and location conducive for community involvement.

19. District staff will give an update on community monitoring and emission reductions at each meeting.

20. The bylaws will be reviewed and updated as needed on an annual basis

APPENDIX 3

COMMUNITY OF SAN YSIDRO/OTAY MESA

STEERING COMMITTEE NOMINATION FORM AND BYLAWS

SAN YSIDRO/OTAY MESA STEERING COMMITTEE NOMINATION FORM

NAME: _____

PHONE NUMBER: _____

EMAIL ADDRESS: _____

AFFILIATION: **Community** _____ **Industry** ____ **Academia** _____ **Power Supplier** _____

Medical Expert: _____ **US Navy** _____ **SANDAG** _____ **City of San Diego** _____

Other Agencies _____ **Tijuana Community** _____

REQUEST IS FOR: PRIMARY MEMBER: _____ **Alternate:** _____ **(You can request both)**

INTEREST IN PARTICIPATION: What special knowledge, experience, or perspective can you provide?

_____

_____

_____

_____

_____

_____

_____

Print Name: _____

Signature: _____

Date: _____

GOALS OF STEERING COMMITTEE

The goals of the committee are straight forward. The committee is to hear updates on community air quality monitoring and emission reduction efforts and to provide suggestions to maximize results. The committee will hear concerns from the public and other stakeholders and alert appropriate parties so action, as warranted, can occur promptly.

COMMITTEE BYLAWS

1. The Air Pollution Control Officer will select the members with deference given to suggestions by each of the interest groups in #2 below.

2. The committee shall consist of nine interest groups and up to 24 members:

    - Up to eight members from the San Ysidro/Otay community;
    - Up to two industry representatives;
    - Up to three members from academia;
    - Up to two members from the Tijuana community
    - Up to two members from other agencies
    - Up to two medical experts;
    - Up to one member from power generating / suppliers;
    - One member from SANDAG
    - Up to two members from the City of San Diego; and
    - One member from the Port of Entry

3. Community members are those who reside or work in the San Ysidro/Otay Mesa area as defined by the census tracts selected for identifying the community.

4. There may one alternate for each committee member.

5. Members will serve on a voluntary basis, without compensation, for a two-year term provided, however, that members may continue to serve until a successor has been appointed.

6. Members can be re-appointed.

7. The District will chair the meetings.

8. The Chair will open the meeting; approve the draft agenda and meeting notes by simple majority; adjust the order of agenda items to help facilitate meeting; and close the meeting.

9. Meetings will be held monthly or as deemed appropriate.

10. Members will notify Chair and their alternate if they cannot make meeting.

11. Meetings will be open to the public.

12. The District will take minutes of the meeting.

13. The Chair will send out a draft agenda and draft minutes from previous meeting at least 20 days prior to the meeting.

14. The Chair will accept agenda suggestions up to ten days prior to the meeting.

15. The Chair will update the agenda at least five days prior to any meeting.

16. All meetings will have time set aside for public comment.

17. Public comment will be limited to three minutes per person.

18. All meetings will be at a time and location conducive for community involvement.

19. District staff will give an update on community monitoring and emission reductions at each meeting.

20. The bylaws will be reviewed and updated as needed on an annual basis

APPENDIX 4

COMMUNITY OF PORTSIDE ENVIRONMENTAL JUSTICE NEIGHBORHOODS

STATIONARY SOURCE ANALYSIS

The District is currently reviewing permits located in the Community of Portside Environmental Justice Neighborhoods. There are 395 permits consisting primarily of emergency / prime IC engines; coating operations, sandblasting; and gasoline dispensing operations. Some of the equipment is equipped with best available control technology (BACT), some equipment cannot be equipped with it, and it is not cost effective to install best available control technology on equipment that could be retrofitted with it.

The cost effectiveness for the most stringent BACT is as high as 2300 dollars a pound. The high cost effectiveness values is due to the cost of the equipment and the relatively small emissions emitted. The cost threshold in District regulations is $6.60 a pound. Types of BACT identified for operations in the community included regenerative thermal oxidizers (RTO), diesel particulate filters (DPF)/selective catalyst reduction (SCR) for IC engines, and low-NOx burners for boilers.

A potential cost effective method for coating operations is no / low VOC coatings. The District will work with these sources to see if such coatings are feasible. Commercial charbroiling operations emit 2.5 tons / day of $PM_{2.5}$ emissions. These operations are permit exempt, as the County is in attainment with the $PM_{2.5}$ standard. With incentive funding, these operations located in the community could be equipped with controls that significantly reduce PM emissions. The District will study the feasibility of the charbroiler control option.

To reduce $PM_{2.5}$ and diesel particulates in the community from stationary source operations diesel-powered equipment needs to be replaced with electric power/other alternative fuel or be equipped with external controls. It would be fundamentally unfair to businesses to require such changes when not legally required and would place them in an unfair business advantage to those businesses outside the community. Incentive funding to replace diesel-powered equipment with electric power is a possibility that will be explored by the District.

In the Portside Community, there are 5 facilities subject to the emissions reporting regulation due to emissions (GHG, 250 tpy, and/or elevated prioritization score: CP Kelco, BAE Systems, General Dynamics NASSCO, Continental Maritime and Pacific Ship Repair & Fabrication), and an additional 140 facilities subject by being located within the community.

APPENDIX 5

COMMUNITY OF SAN YSIDRO / OTAY MESA STATIONARY SOURCE ANALYSIS

The District is currently reviewing permits located in the Community of San Ysidro / Otay Mesa. There are 137 permits consisting primarily of emergency IC engines; aggregate processing operations; coating operations, sandblasting; and gasoline dispensing operations. Some of the equipment is equipped with BACT, some equipment cannot be equipped with it, and it is not cost effective to install best available control technology on equipment that could be retrofitted with it.

The cost effectiveness for the most stringent BACT is as high as 180 dollars a pound. The high cost effectiveness values is due to the cost of the equipment and the relatively small emissions emitted. The cost threshold in District regulations is $6.60 a pound. Types of BACT identified for operations in the community included regenerative thermal oxidizers (RTO), diesel particulate filters (DPF)/selective catalyst reduction (SCR) for IC engines, and low-NOx burners for boilers.

A potential cost effective method for coating operations is no / low VOC coatings. The District will work with these sources to see if such coatings are feasible. Commercial charbroiling operations emit 2.5 tons / day of $PM_{2.5}$ emissions. These operations are permit exempt, as the County is in attainment with the $PM_{2.5}$ standard. With incentive funding, these operations located in the community could be equipped with controls that significantly reduce PM emissions. The District will study the feasibility of the charbroiler control option.

To reduce $PM_{2.5}$ and diesel particulates in the community from stationary source operations diesel-powered equipment needs to be replaced with electric power or be equipped with external controls. It would be fundamentally unfair to businesses to require such changes when not legally required and place them in an unfair business advantage to those businesses outside the community. Incentive funding to replace diesel-powered equipment with electric power is a possibility that will be explored by the District.

In the San Ysidro/Otay Mesa Community, there are 2 facilities subject to the emissions reporting regulation due to emissions (GHG, 250 tpy, and/or elevated prioritization score: CalPeak Power Border and Otay Mesa Energy Center), and an additional 76 facilities subject by being located within the community.

APPENDIX 6- Stationary Source Permits in Portside Community

Permit ID	Permit Description	Enhanced Controls	Low Estimated Costs of Enhanced Controls	High Estimated Costs of Enhanced Controls	ROG	NOx	PM 2.5	Toxics
APCD1995-PTO-940743	ABRASIVE BLAST MACHINE (CAPACITY-200 POUNDS): KELCO, MODEL K116 S/N CMSD02T)	None	N/A	N/A	0	0	178	74
APCD1996-PTO-890332	BAYCO MODEL BB-56 NATURAL GAS FIRED BURN OUT OVEN WITH AFTER BURNER A S/N BB/89096-S	Low NOx burner	50000	50000	40	250	0	148
APCD1996-PTO-900434	METAL PARTS/PRODUCTS COATING APPLICATION STATION: ONE (1) DEVILBISS MODEL DF-6004 PAINT SPRAY BOOTH, 17L X 10'W X 7'H, USING ONE (1) DEVILBISS MODEL JGA-503 HVLP SPRAY GUN TO APPLY PROLINE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	36500	0	0	0
APCD1997-PTO-861072	POLYESTER RESIN COATING APPLICATION STATION: CONSISTING OF TWO (2) VENUS-GUSNER M I S SATURATOR GUNS, ONE EQUIPPED WITH A FLOW-COATER NOZZLE (AIRLESS); BINKS MODEL 18 AIR-ATOMIZED SPRAY GUN; STAR GEL COAT (EXTERNAL MIX), AIRLESS.	Low/zero VOC Content Materials, RTO	100000	100000	15600	0	0	7775
APCD1997-PTO-970208	METAL PARTS/PRODUCTS COATING APPLICATION STATION: ONE (1) PAINT SPRAY AREA, USING AIRLESS SPRAY GUN AND BRUSHES.	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD1999-PTO-901464	BULK HANDLING / AGGREGATE TRANFER SYSTEM, CONSISTING OF TWO (2) FEED HOPPERS, CONVEYORS, WIND SHIELDING TARPS AND A FILTERED VACUUM BAG.901464	None	N/A	N/A	0	0	1000	0
APCD1999-PTO-930666	ONE (1) ECONO BOOTH METAL PARTS AND PAINT SPRAY BOOTH, 8'L X 8'W X 8'H, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING ONE (1) BINKS HVLP MODEL 98-1132 SPRAY GUN TO APPLY BLUE METALLIC HIGH SOLIDS TOPCOAT BY MID-STATES PAINT.	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD1999-PTO-950440	WOOD COATING OPERATION: ONE (1) CUSTOM-BUILT PAINT SPRAY BOOTH, 15' L X 12' W X 9' H, EQUIPPED WITH EXHAUST FILTERS & FAN.	Low/zero VOC Content Coatings, RTO	500	100000	3020	0	0	1730
APCD1999-PTO-960020	WOOD COATING AND REFINISHING FACILITY, (<500 GALLON/YEAR): ONE (1) SPRAY PAINT BOOTH, 5'D X 8'W X 7'H. AIR DRYING.	Low/zero VOC Content Coatings, RTO	500	100000	3175	0	0	3630
APCD1999-PTO-971841	PORTABLE CONFINED ABRASIVE BLAST MACHINE, CAM INDUSTRIES, 40 TON SAND BLAST POT, S/N 15804.	None	N/A	N/A	0	0	500	6
APCD1999-PTO-971842	PORTABLE CONFINED ABRASIVE BLAST UNIT: CAM INDUSTRIES, 40 TON SAND BLAST POT S/N 1806	None	N/A	N/A	0	0	500	6
APCD1999-PTO-971843	PORTABLE CONFINED ABRASIVE BLASTING UNIT, KEY INDUSTRIES MODEL T-11, 15 TON SAND BLASTING POT, S/N T-11-1.	None	N/A	N/A	0	0	500	6
APCD1999-PTO-971844	PORTABLE CONFINED ABRASIVE BLASTING UNIT: 40 TON SAND BLAST POT, S/N 96109	None	N/A	N/A	0	0	500	6
APCD2000-PTO-972697	AN INACTIVE LANDFILL EQUIPPED WITH A GAS COLLECTION, FLARE, AND MONITORING SYSTEM CONSISTING OF AN ENCLOSED FLARE, COLLECTION WELLS, MIGRATION PROBES, AND TWO BLOWERS. FLARE STATION CONTROL EQUIPMENT SHALL INCLUDE AN OPTICAL FLAME DETECTOR	None	N/A	N/A	257	110	0	81
APCD2000-PTO-973136	ABRASIVE SAND BLASTING POT, BLAST N' VAC MODEL BNVS 305, S/N 87719.	None	N/A	N/A	0	0	500	6
APCD2000-PTO-973137	ABRASIVE SAND BLASTING POT, 4 CU. FT. CLEMCO INDUSTRIES MODEL 23078, S/N 23249	None	N/A	N/A	0	0	500	6
APCD2000-PTO-973138	ABRASIVE SAND BLASTING POT, 4 CU. FT. CLEMCO MODEL 23078, S/N 23230.	None	N/A	N/A	0	0	500	6

APCD2001-PTO-004199	Industrial application station: wood, metal, and miscellaneous coating operations applied inside bldg 0581	Low/zero VOC Content Coatings, RTO	500	100000	30000	0	0	3000
APCD2001-PTO-006803	Stationary marine coating operation conducted inside an 82' L x 26' W x 22' H enclosure consisting of; brushes, rollers, paint spray guns for applying marine coatings on boats and structures intended for exposure to marine environment	Low/zero VOC Content Coatings, RTO	500	100000	237	0	0	307
APCD2001-PTO-030678	WOOD PRODUCTS COATING APPLICATION STATION, COSISTING OF: ONE (1) ECONO PAINT SPRAY BOOTH, MODEL MRF 26-14-8, S/N 5048, 26'L X 14'W X 8.25'H, WITH EXHAUST FILTERS AND FAN. 960569/LWA/NOAPP	Low/zero VOC Content Coatings, RTO	500	100000	2800	0	0	881
APCD2002-PTO-911431	METAL PARTS AND PRODUCTS COATING OPERATION: ONE (1) RELY-ON MODEL FAF 14-28-12 PAINT SPRAY BOOTH, 28'L X 14'W X 12'H, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING ONE (1) HVLP SPRAY GUN TO APPLY DEVOE AND PROLINE PAINTS, PRIMERS AND THINNERS	Low/zero VOC Content Coatings, RTO	500	100000	3650	0	0	365
APCD2002-PTO-940280	CR(VI) WASTE WATER EVAPORATION EQUIPMENT: ONE (1) SAMSCO MODEL 500-HNA WATER EVAPORATOR, 174-GAL CAPACITY, WITH A PROCESS RATE OF 96 GAL PER DAY, NATURAL GAS-FIRED, 195,000-BTU/HR, 500-CFM EXHAUST FLOW RATE, 5" VENT STACK DIAMETER	Venturi Scrubber, Low NOx Burner	10000	25000	1210	61800	1680	415
APCD2002-PTO-975264	CONFINED ABRASIVE BLASTING, KELCO INDUSTRIES MODEL T/8 SAND POT, S/N 86-528 EQUIPPED WITH A DUST COLLECTOR	None	N/A	N/A	0	0	500	6
APCD2002-PTO-975892	ADHESIVE APPLICATION OPERATION, CONSISTING OF: HAND APPLICATION METHODS TO APPLY ADHESIVES.	Low/zero VOC Content Adhesives, RTO	500	100000	7840	0	0	1083
APCD2003-PTO-000790	GALVANIZING KETTLE, HOT DIP: CUSTOM-MADE, 22.6' X 4.3' X 5'H; ZINC AT 840 TO 860 DEGREES F; 20,000-LB/BATCH CAPACITY, WITH DUCT CONTROL SYSTEM NORTH SIDE	Scrubber/baghouse	100000	100000	0	0	1040	388
APCD2003-PTO-001613	BULK HANDLING SHIP LOADING SYSTEM CONSISTING OF: 1500' CONVEYOR BELTS; MIKRO PULSAIRE DUST CONTROL SYSTEMS VENTING A RAILROAD CAR UNLOADING BUILDING (DC-1, MODEL 221S-10-TR-C), A JUNCTION HOUSE (DC-2, MODEL81S-10-TR-C), AND A TRANSFER TOWER	None	N/A	N/A	0	0	0	3375
APCD2003-PTO-003865	Bulk storage site (receive 400-, ship 1100-Tons/hr): Railroad car/truck weigh/receive station; 12 concrete (EA 30'd x 100'h) & 2 steel (EA 72'd x 66'h) silos; 15 conveyors (7 belt-8 drag); 5 Bucket elevators; turn head; Buhler dust control system	None	N/A	N/A	0	0	0	33
APCD2003-PTO-006947	ABRASIVE BLAST MACHINE (40-TON CAPACITY): KEY MODEL T-40, S/N 97325, 8 NOZZLES	None	N/A	N/A	0	0	500	6
APCD2003-PTO-860594	BURN OUT OVEN: STELLMAN INDUSTRIES OVEN, MODEL 566-BAE, NATURAL GAS FIRED WITH ONE (1) 250,000 BTU/HR CAPACITY PRIMARY BURNER AND ONE (1) 380,000 BTU/HOUR AFTERBURNER. S/N B000310	Low NOx burner	50000	50000	50	60	50	63
APCD2003-PTO-880297	ABRASIVE BLAST MACHINE (CAPACITY-22 TONS): KEY HOUSTON ENGINEERING CORP.,S/N 98487, NATIONAL BOARD #1137; ABRASIVE CONVEYING SYSTEM-MAY INCLUDE A VACUUM RECEIVER / DROP-OUT TANK, DUST COLLECTOR AND/OR CYCLONE, VACUUM PUMP, AND AIR/WATER SEPARATOR.	Confine and use higher efficiency filters	20000	100000	0	0	500	6
APCD2003-PTO-890513	ONE (1) CUSTOM MADE 23' X 4.5' X 6 ' HIGH CUSTOM MADE HOT DIP GALVANIZING KETTLE; ZINC AT 840 DEG F; 20,000 LB. BATCH CAPACITY, WITH VENT AND DUCT CONTROL SYSTEM SOUTH SIDE	Scrubber/baghouse	100000	100000	0	0	1040	208
APCD2003-PTO-973507	CUMMINS NATURAL GAS ENGINE, MODEL G855, 220 HP, S/N 25208445. 973507AFS14JUN1999 071602AFS (CORRECT EQUIPMENT DESCRIPTION)	3-way catalyst	50000	50000	8	89	12	13
APCD2003-PTO-977594	PORTABLE SAND BLASTING EQUIPMENT CONSISTING OF BLAST MACHINE MAKE KEY, MODEL 22T, SERIAL NO 130216, CONTROL EQUIPMENT DUST COLLECTORS MAKE TORIT.	None	N/A	N/A	0	0	500	6
APCD2003-PTO-977595	PORTABLE SAND BLASTING MACHINE EQUIPMENT CONSISTING OF: BLAST MACHINE MAKE KAM INDUSTRIES, MODEL K22, SERIAL NO.16015. CONTROL EQPT. MAKE TORIT.	None	N/A	N/A	0	0	500	6
APCD2003-PTO-978172	PORTABLE CONFINED BLASTING: ONE MODEL 2452 CLEMCO ABRASIVE BLAST UNIT, S/N 31644 WITH 3/8" NOZZLE AND 100 PSI. 978172	None	N/A	N/A	0	0	500	6
APCD2003-PTO-979006	ROOFING KETTLE: CLEASBY, SPEED KING, 350-GALLON CAPACITY, S/N 12128.(979006 ALC 01/03)	None	N/A	N/A	2000	0	0	500

APCD2004-PTO-000480	BOILER 8, CLEAVER BROOKS MODEL NO DL76 SERIAL NO WC1328, 72 MM BTU/HR, FIRED WITH NATURAL GAS OR DIESEL OIL, OXYGEN TRIM CONTROLLER, BURNER CONTROL	SCR	368135	368135	3366	10404	0	576
APCD2004-PTO-001708	PAINTING LINE, DEVILBISS: 3276 CU FT PSB/MOD XVD-6036 & 4636 CU FT OVEN MOD OC-502, WITH 2 N/G-FIRED 185,000-BTU HEATERS; PSB VENTS TO EXHAUST/12 FILTERS EACH 20" X 25" X 2" & A 2-HP FAN NO APP	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-002185	Pilot plant continuous processing system consisting of: Mixers; Drying mill; Mechanical water/solvent reduction devices; Rotary dryer; Grieves dryer; Oversize hopper; Portable hopper/conveyor system; Screen; 50 cubic foot blender; Conical blender	None	N/A	N/A	27384	0	0	27384
APCD2004-PTO-003129	Boiler #9: Cleaver Brooks, model DL76, S/N WL 1459, fired with Natural Gas, 78 MMBtu/hour heat input rating; ultra-low NOx burner, TODD COEN model D-RMB T1200IGX3256X, S/N 9132559; controlled by COEN FYR burner management and combustion control system.	SCR	368135	368135	2915	6625	0	499
APCD2004-PTO-004066	AUTOMOTIVE PAINT SPRAY BOOTH (3024 CU FT): BINKS MODEL ARCF-526-T, 24' X 14'X 9'H; EXHAUST SYS OF 18 FILTERS EACH 20" X 20" X 1" & 2-HP FAN. NO APP	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-005344	Permanent equipment: Carbon vapor recovery unit consisting of: carbon units with in-situ regeneration, two (2) carbon canisters, 8,000 lbs/canister, two (2) exhaust stacks; vacuum pump, condensate/knock out, absorber tower, absorber separator	None	N/A	N/A	624	0	0	191
APCD2004-PTO-030379	ABRASIVE BLAST MACHINE (22-TON CAPACITY): KEY HOUSTON MODEL T-22, WITH 8 NOZZLES, With optional Dust Collecting equipment: Torit model TD6120 or other type with a minimum 99% particulate matter arrestance; with optional Abrasive Vacuum Recovery	None	N/A	N/A	0	0	500	6
APCD2004-PTO-040695	ABRASIVE STORAGE HOPPER, ELEVATED: 32 TON CAPACITY, EQUIPPED WITH A DUST COLLECTOR	None	N/A	N/A	0	0	500	6
APCD2004-PTO-850945	AUTOMOTIVE COATING APPLICATION STATION: ONE (1) BIOTHERM MODEL 2850, 12.5'LX 14'W X 10'H, AND ONE M&W MODEL FD269-14, S/N 3216,26'L X 14'W X 10'H, PAINT SPRAY BOOTHS, BOTH EQUIPPED WITH EXHAUST FANS AND FILTERS, USING HVLP SPRAY GUNS	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-861053	METAL PARTS AND AUTOMOTIVE REFINISHING APPLICATION STATION, OUTSIDE USING HVLP SPRAY GUNS	Low/zero VOC Content Coatings, RTO	500	100000	152	0	0	23
APCD2004-PTO-880162	WOOD, PLASTIC COATING APPLICATION STATION: ONE (1) GLOBAL FINISHING SOLUTION MODEL 201018, 18'L X 20'W X 10'H, PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FAN AND FILTERS; LOCATED IN BLDG 1.	Low/zero VOC Content Coatings, RTO	500	100000	240	0	0	675
APCD2004-PTO-890687		Low/zero VOC Content Coatings, RTO	500	100000	36500	0	0	3650
APCD2004-PTO-900255	POLYESTER RESIN MFG: HAND LAYUP OF POLYESTER RESIN MATERIALS.	Low/zero VOC Content Materials, RTO	500	100000	20	0	0	10
APCD2004-PTO-911128	SOLVENT DISTILLATION OPERATION: ONE (1) FINISH THOMPSON INC MODEL LS-55IID SOLVENT RECOVERY STILL, 55-GAL CAPACITY, WITH A PROCESSING RATE OF 55-GAL PER SHIFT EQUIPPED WITH ELECTRIC HEATING, AIR COOLED, AND VARIOUS SAFETY FEATURES.	Low/zero VOC Content Solvents, RTO	500	100000	63	0	0	0
APCD2004-PTO-911462	PORTABLE MARINE COATING OPERATIONS, CONSISTING OF: HIGH-VOLUME LOW-PRESSURE (HVLP), CONVENTIONAL AIR-ATOMIZED, AIR-LESS PAINT SPRAY GUNS, BRUSH AND ROLLER APPLICATORS, CONDUCTED AT VARIOUS LOCATIONS IN SAN DIEGO COUNTY FOR COATING OF SHIPS, BOATS	Low/zero VOC Content Coatings, RTO	500	100000	49800	0	0	4980
APCD2004-PTO-940006	Biogum pilot plant consisting of: Fermentation tanks; Sharples model P3000 solid-bowl decanter; Union model HTD 60 homogenizer; Buflovak 42 dia. X 36 model ADDD double-drum dryer;48" screen; drum dryer, 220 sq. ft.; Strong Scott model TJS-8 turbulizer	RTO	100000	100000	Emiss. grouped with other permits	0	0	0

APCD2004-PTO-940043	An isopropyl alcohol (IPA) storage tank, 200,000-GAL. capacity, vented to an Advanced Air Technologies Inc. water scrubber, 18-inch diameter, 250 SCFM capacity, consisting of two 8-foot wetted packed beds operated in series and a mist eliminator	RTA	100000	100000	Emiss. grouped with other permits.	0	0	0
APCD2004-PTO-961153	AUTOMOTIVE COATING APPLICATION STATION: ONE (1) M&W MODEL 26-14-9 PAINT SPRAY BOOTH, 26'L X 14'W X 9'H, EQUIPPED WITH EXHAUST FAN AND FILTERS USING ACCUSPRAY HVLP AND ASTRO COMPRESSED AIR SPRAY GUNS TO APPLY PPG AND DUPONT AUTOMOTIVE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-970203	AUTOMOTIVE REFINISHING OPERATION: ONE (1) WEST COAST PAINT SPRAY BOOTH, 34'L X 21'W X 10'H, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING HVLP SPRAY GUNS TO APPLY AUTOMOTIVE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-970225	AUTOMOTIVE COATING OPERATION: CONSISTING OF ONE AIR DRYING SPRAY KING PAINT SPRAY BOOTH, 25 FT. L. BY 15 FT. W. BY 10 FT. H. AND ONE SHARPE PLATINUM HVLP SPRAY GUN AND TWO ACU-SPRAY HVLP SPRAY GUNS TO APPLY AUTOMOTIVE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2004-PTO-972497	Marine coating primer line operations: Primeline #1One (1) Rosler automated priming line-331?W x 78?H x 74?D, Model #RLA 42/6 equipped with driving mechanisms vented through RTF 180 dry filters to a Relox Technik, Model Regenus 2018 VII regenerative	Low/zero VOC Content Coatings, RTO	500	100000	575	0	0	243
APCD2004-PTO-973122	ABRASIVE BLAST MACHINE: BCP, MODEL 10-36 RC; WITH A CARTRIDGE DUST CONTROL FILTER UNIT, FILTER EFFICIENCY 99.9% AT 0.5 MICRONS.	None	N/A	N/A	0	0	0	0
APCD2004-PTO-974646	AUTOMOTIVE REFINISHING OPERATION: TWO (2) RELY-ON MODEL SDFD 26A, 26'L X14'W X 9'H, PAINT SPRAY BOOTHS, BOTH EQUIPPED WITH EXHAUST FAN AND FILTERS, USING HVLP SPRAY EQUIPMENT TO APPLY AUTOMOTIVE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-976645	AUTOMOTIVE REFINISHING STATION: ONE (1) TEAM BLOWTHERM MODEL TBI-1086-RFSPRAY BOOTH 9.7 FT. LONG X 10 FT. WIDE X 8 FT. HIGH, EQUIPPED WITH AN 8,169 CFM EXHAUST FAN AND OVER SPRAY FILTERS; SPRAY GUN(S) USED TO APPLY COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2004-PTO-978761	ABRASIVE MATERIAL PRESSURE TANK. MAKE: SCHMIDT. RATED CAPACITY: 40 TONS. MODEL: 800 CF. SERIAL NO.: DX 129. LOADED PNEUMATICALLY. EQUIPPED WITH A CARTRIDGE FILTER SYSTEM TO CAPTURE EMITTED DUST FROM TRANSFER. BLASTING MATERIALS ARE COPPER SLAG OR GARNET. CAPACITY: 20,000 LBS/HR. BLASTING PERFORMED ALWAYS IN A SHROUDED AREA. JFTNEWJUN2304	None	N/A	N/A	0	0	178	74
APCD2004-PTO-979363	INTERNAL COMBUSTION ENGINE. MAKE: CUMMINS. MODEL: QDT 30 G1. SERIAL NO.: 37198192. BHP RATING 1,030 BHP. DIESEL FUELED. EQUIPPED WITH A TURBO CHARGER AND CHARGE AIR COOLER. DRIVES ELECTRICAL GENERATOR RATED AT 768 KW, WHICH DRIVES A CRANE. JFTNEWJU	DPF	45011	45011	0	6570	0	1737
APCD2004-PTO-982134	INTERNAL COMBUSTION ENGINE. GENERATION PACKAGE: GENERAC. ENGINE MODEL: 5.7GN. BHP RATING: 91 HP. NATURAL GAS FUELED. NATURALLY ASPIRATED. EQUIPPED WITH A CATALYTIC CONVERTER AND AIR TO FUEL RATIO CONTROLLER. DRIVES AN ELECTRICAL EMERGENCY GENERATOR R	None	N/A	N/A	8	89	12	13
APCD2005-PTO-000610	Abrasive Blast Machine: Two permanently attached pots, CLEMCO, Model SC2452, 600-lb capacity each (1200-lb capacity total), Equipment No. 1322, S/N 21378/33659, Optionally loaded from an overhead hopper; With optional Dust Collecting equipment: Torit	None	N/A	N/A	0	0	500	6
APCD2005-PTO-000616	Abrasive Blast Machine: Two permanently attached pots, CLEMCO Model SC2452, 600-LB capacity each (1200-lb capacity total), Equipment No.1323, S/N 28090/21381, Optionally loaded from an overhead hopper; With optional Dust Collecting equipment: Torit	None	N/A	N/A	0	0	500	6
APCD2005-PTO-001676	DRY SIDE EQUPMENT CONSISTING OF THE FOLLOWING: FOUR MILL WITH FEED HOPPERS; FOUR MILLING CYCLONES; FOUR FINE CYCLONES; FOUR ROTEX SCREENS; ONE BLENDER FEED SCREW CONVEYOR; THREE RIBBON BLENDERS; ONE RIBBON BLENDER SCREW CONVEYOR; FIVE CONICAL BLENDER	None	N/A	N/A	Emiss. grouped with other permits,	0	0	0

APCD2005-PTO-002690	Abrasive Blast Machine: Two permanently attached pots, CLEMCO Model SC2452, 600-lb capacity each (1200-lb capacity total), Equipment No.1324, S/N 36975, Optionally loaded from an overhead hopper; With optional Dust Collecting equipment: Torit model	None	N/A	N/A	0	0	500	6
APCD2005-PTO-006646	May operate marine coating facility consisting of: Marine coating operations to apply coatings on ships and related structures intended for exposure to a marine environment at BAE Systems San Diego Ship Repair's facility including: 3 piers up to 700	Low/zero VOC Content Coatings, RTO	500	100000	5373	0	0	2030
APCD2005-PTO-030064	DIESEL ENGINE, DETROIT DIESEL MODEL 16V-149TI, #2 DIESEL OIL FUELED, LOCATED IN ENGINE #1 FLOATING DRY DOCK, S/N 16E0007583, ENGINE POWER SPOSD #1.	DPF	64676	64676	11	441	8	8
APCD2005-PTO-030067	DIESEL ENGINE, DETROIT MODEL 16V-149T1, 900 KW, #2 DIESEL FUELED, S/N 16E0007582, LOCATED IN ENGINE #2 FLOATING DRY DOCK (AP #930850 EAD 7/18/95) (AP #976431 EAD 8/1/05)	DPF	64676	64676	11	441	8	8
APCD2005-PTO-030718	MARINE/METAL PARTS COATING OPERATION: ONE (1) M & W PAINT SPRAY BOOTH (9'H X 14'W X 26'L) EQUIPPED WITH AN EXHAUST FILTERING SYSTEM AND USING DEVILBISS CONVENTIONAL, GRACO G-1265 HVLP, AND WAGNER T-10 AIRLESS SPRAY GUNS. A HERKULES GUN WASHER IS USED	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2005-PTO-900222	Polyester/vinylester operation conducted for ship's structures (i.e. masts, decking, shafts, and rails), using rollers and brushes for hand lay-up or other non-atomized application processes that have a styrene emission factor	Low/zero VOC Content Coatings, RTO	500	100000	18	0	0	42
APCD2005-PTO-930995	ONE (1) EMERGENCY ENGINE GENERATOR: JOHN DEERE ENGINE, MODEL 6076AF010, S/N: RG6076A195995, 250 BHP, DIESEL FIRED, KOHLER ELECTRIC GENERATOR, MODEL 150RJ0ZJZ1, S/N: 350842, 150KW.	DPF / DPF+SCR	9500	29500	8	89	12	13
APCD2005-PTO-962004	Prime diesel engine: Make Perkins, Model 1983/1800, S/N YB35057U760467H, rated at 166 bhp, turbocharged, EPA Tier 1 certified of Engine Family Number 1PKXL05.9YH1, driving a 123 KW generator that drives a crane.	DPF	6308	6308	9	860	0	202
APCD2005-PTO-971104	MARINE COATING & ADHESIVE MATERIALS APPLICATION OPERATION (PORTABLE, TYPE III): CONDUCTED INSIDE & OUTSIDE MARINE VESSELS, USING (37) WAGNER MDL G-10 AIRLESS, SN'S E-1 THRU E-7, 12, 52, 61, 76, 81, 85, 88, 90, 91, 100 THRU 120; (10) GRACO MDL 236-995	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2005-PTO-971495	Diesel Engine Powering a 115 ton Link Belt model TG 1900 Gantry Crane: Cummins; model QSX15-C; serial number 79611632; Engine Family CCEXL15.0AAK; interim tier 4 certified; 450 bhp rated; turbocharged with charge air cooler and EGR	None	N/A	N/A	17	517	0	1
APCD2005-PTO-971845	MARINE COATING & ADHESIVE MATERIALS APPLICATION OPERATION (PORTABLE, TYPE III): CONDUCTED INSIDE & OUTSIDE MARINE VESSELS, USING (37) WAGNER MDL G-10 AIRLESS, SN'S E-1 THRU E-7, 12, 52, 61, 76, 81, 85, 88, 90, 91, 100 THRU 120; (10) GRACO MDL 236-995	Low/zero VOC Content Coatings, RTO	500	100000	51000	0	0	250
APCD2005-PTO-971846	MARINE COATING & ADHESIVE MATERIALS APPLICATION OPERATION (PORTABLE, TYPE III): CONDUCTED INSIDE & OUTSIDE MARINE VESSELS, USING (37) WAGNER MDL G-10 AIRLESS, SN'S E-1 THRU E-7, 12, 52, 61, 76, 81, 85, 88, 90, 91, 100 THRU 120; (10) GRACO MDL 236-99H	Low/zero VOC Content Coatings, RTO	500	100000	51000	0	0	250
APCD2005-PTO-973082	SIEVE, KELCO S/N K05920.	RTO (combined w/ other PTOs	$200K (total cost for group	$200K(total cost for group	0	0	0	3
APCD2005-PTO-973084	SIFTER, KELCO S/N K07966.	RTO (combined w/ other PTOs	200K for group	200K for group	0	0	0	3
APCD2005-PTO-973091	SCREEN, KELCO S/N K06777.	RTO (combined w/ other PTOs	200K for group	200K for group	0	0	0	3
APCD2005-PTO-973092	SCREEN, KELCO S/N K08969.	RTO (combined w/ other PTOs	$200K for group	$200K for group	0	0	0	3

APCD2005-PTO-973094	SIFTER, KELCO S/N K04265.	RTO (combined w/ other PTOs	200K for group	200K for group	0	0	0	3
APCD2005-PTO-973095	SIFTER, KELCO S/N K05986.	RTO (combined w/ other PTOs	200K for group	200K for group	0	0	0	3
APCD2005-PTO-973096	SIFTER, KELCO	RTO (combined w/ other PTOs	$200K for group	200K for group	0	0	0	3
APCD2005-PTO-973097	SIFTER, KELCO S/N K09771	RTO (combined w/ other PTOs	200K for group	200K for group	0	0	0	3
APCD2005-PTO-973220	CONFINED ABRASIVE BLASTING, 10 TON CAM INDUSTRIES INC. BLAST MACHINE MODEL14787, S/N 14220. APPL# 972411 EFH 06/99; APP# 981914 EFH 06/05	None	N/A	N/A	0	0	178	74
APCD2005-PTO-973677	EMERGENCY GENERATOR/ENGINE SET: 455 BHP DETROIT DIESEL ENGINE, MODEL 6063-TK35, S/N 573582, DRIVING A 275 KW GENERATOR. 973677 EAD 10/20/99 17CCR93115SJE11/05 (ATCM: S/N 06B0503730)	DPF / DPF+SCR	17290	53690	8	89	12	13
APCD2005-PTO-974885	MARINE COATING & ADHESIVE MATERIALS APPLICATION OPERATION (PORTABLE, TYPE III): CONDUCTED INSIDE & OUTSIDE MARINE VESSELS, USING (37) WAGNER MDL G-10 AIRLESS, SN'S E-1 THRY E-7, 12, 52, 61, 76, 81, 85, 88, 90, 91, 100 THRU 120; (10) GRACO MDL 236-995	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2005-PTO-975095	SCREEN MANUFACTERED BY KELCO, MODEL KELCO, S/N K09818. 975095AFS25JUL2001 (980627 ALC 02/05)	RTO (combined w/ other PTOs	200K for group	200K for group)	0	0	0	3
APCD2005-PTO-975096	SCREEN MANUFACTURED BY KELCO, MODEL KELCO, S/N K09744.	RTO (combined w/ other PTOs	200K for group	$200K for group)	0	0	0	3
APCD2005-PTO-975258	EMERGENCY ENGINE GENERATOR, 102 HP CUMMINS DIESEL ENGINE MODEL DGCB, S/N 45999709.	DPF / DPF+SCR	3876	12036	8	89	12	13
APCD2005-PTO-975762	ADHESIVE MATERIAL APPLICATION OPERATION: OUTDOORS, WORKSTATIONS AND ON SHIP BOARD; USING BRUSHES AND ROLLERS FOR MATERIALS APPLICATION, AND SOAP AND WATER SOLUTION FOR CLEANUP OPERATION.	Low/zero VOC Content Adhesives, RTO	500	100000	99	0	0	0
APCD2005-PTO-976986	"SUBSCALE" AIR CLASSIFIER EQUIPMENT FOR PROCESSING FINISHED BIOGUM PRODUCTS. CENTRIFUGAL CLASSIFIER, CYCLONE COLLECTOR, BAG FILTER ON EXHAUST, 99.95% EFFICIENCY FOR PM10 CONTROL. 976986 AFS 03DEC2001	None	N/A	N/A	0	0	0	negligible
APCD2005-PTO-978744	PORTABLE MARINE COATING OPERATION: CONSISTING OF; TWO (2) GRACO MODEL 243283, B.G. SPRAY GUNS SD005787 AND SD005788; TWO (2) GRACO MODEL 222-800 PREMIER SPRAY GUNS SD007052 AND SD007079; TWO (2) GRACO MODEL 244-485 EXTREME SPRAY GUNS	Low/zero VOC Content Coatings, RTO	500	100000	36680	0	0	1210
APCD2005-PTO-979156	A 1500 TPH AGGREGATES TERMINAL CONSISTING OF: ONE (1) 1560 CUBIC FEET TRANSFER HOPPER, SEVERAL BELT CONVEYORS AND 2 RADIAL STACKERS.	None	N/A	N/A	0	0	0	80
APCD2005-PTO-979341	EMERGENCY ENGINE. MAKE: DETROIT DIESEL. ENGINE SERIES 12V-2000. GENERATOR S/N: 5352002306. YR. OF MANUFACTURE: 2003. DIESEL FUELED. EQUIPPED WITH TURBOCHARGER. DRIVES A KOHLER GENERATOR ENGINE MODEL R1237K36, S/N 968671, 1120 HP AT 750KW.	DPF / DPF+SCR	42560	132160	8	89	12	13
APCD2005-PTO-979407	ABRASIVE BLASTING. PORTABLE. BLAST MACHINE: KEY. MODEL: T40-47. SERIAL NO.:96981. EQUIPPED WITH A DUST COLLECTOR WITH CARTRIDGE FILTERS. MEDIA: CELLULOSE. EFFICIENCY: 99.7% AT O.5 MICRONS.	None	N/A	N/A	0	0	500	6
APCD2005-PTO-980503	EMERGENCY ENGINE GENERATOR, 215 HP JOHN DEERE DIESEL ENGINE, MODEL 6076AF010, S/N RG6076A186744, DRIVING A KOHLER GENERATOR.	DPF / DPF+SCR	8170	25370	8	89	12	13
APCD2005-PTO-982187	PORTABLE MARINE COATING OPERATION: TWO (2) GRACO MODEL F04F & SATA JET K3 MODEL 93344 HVLP AND AIRLESS SPRAY GUNS TO APPLY MARINE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	51100	0	0	51100

APCD2006-PTO-000684	CEMENT BULK FACILITY: RAILROAD CAR PNEUMATIC TRANSFER UNLOADING (UNDERGROUND PRESSURIZED TANK SYSTEM OR DIRECT RAILCAR PRESSURIZATION); BULK TANKER TRUCK PNEUMATIC TRANSFER UNLOADING (UNDERGROUND PRESSURIZED TANK SYSTEM OR DIRECT TANKER TRUCK PRESSURE	None	N/A	N/A	0	0	100	25
APCD2006-PTO-003951	Tank No. 20: A 179,000 Bulk Trans Mix Above Ground Storage Tank, 30 Feet In Diameter And 36 Feet High, With An Internal Reverse Slope Pontoon Floating Roof Equipped With Double Seals, A Mechanical Shoe Primary Seal And A Flex-A-Seal Secondary Seal.	None	N/A	N/A	1427	0	0	228
APCD2006-PTO-004380	AUTOMATED BULK SODIUM CARBONATE TRANSFER/STORAGE SYS, 10-TONS/HR CAP: FILTER COLLECTOR; 1 STORAGE SILOS WITH A BAGHOUSE; BBL STATION; 2 CYCLONES; 2 HOPPERS (984443	None	N/A	N/A	0	0	100	25
APCD2006-PTO-005143	Fuel Delivery Consisting Of: Two (2) Loading Racks With 11 Risers (1 Ethanol 9 Gasoline, And 1 Trans Mix) and Associated Piping, Control Valves, Temperature Gauges, Pressure Gauges and Controls. There Are Also 5 Arms For Diesel.	None	N/A	N/A	12475	0	0	1996
APCD2006-PTO-005147	Rack No. 1: Two (2) Regular Gasoline Arms And Two (2) All-Grade Gasoline Arms, Which Can Blend Ethanol, Two (2) Existing Vapor Connectors. The Emissions From This Operation Will Be Controlled By The Existing Vapor Recovery Unit, PO 5149.	None	N/A	N/A	2395	0	0	383
APCD2006-PTO-005148	Rack No. 2: Two (2) Regular Gasoline Arms And Two (2) All-Grade Gasoline Arms, Which Can Blend Ethanol, Two (2) Existing Vapor Connectors. The Emissions From This Operation Will Be Controlled By The Existing Vapor Recovery Unit, Po 5149.	None	N/A	N/A	2395	0	0	383
APCD2006-PTO-005149	A Vapor Recovery Unit Consisting Of: Carbon Adsorbers Units With Insitu Generation, Two (2) Carbon Canisters (9,611 Lbs/Canister), An Exhaust Stack, 2 vacuum Pumps Rated At 940 Cfm, A Glycol Separator, An Absorption Tower, A Cooler	None	N/A	N/A	1326	0	0	127
APCD2006-PTO-006900	Gasoline Dispensing Facility (Retail) (BACT): twelve (12) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-FISD System: Veeder Root	None	N/A	N/A	994	0	0	88
APCD2006-PTO-007105	Gasoline dispensing facility: eight (8) nozzles with three (3) grades per nozzle Phase II VRS: VST Balance per ARB E.O. VR-204-RISD system: Veeder-Root software version 1.05CAS configuration: vertical position per Figure 2b-2, Exhibit 2 of EO VR-204-R	None	N/A	N/A	994	0	0	88
APCD2006-PTO-030017	Tank No. 2: Gasoline, 93 Ft. In Diameter And 56 Ft. High, 2,520,000 Gallons Internal Floating Roof With Double Seals; Mechanical Shoe Primary Seal And A Compression Plate With Wiper Secondary Seal, Manufactured By Matrix; Center And Gauge Column Seal	None	N/A	N/A	1780	0	0	73
APCD2006-PTO-850159	Burn-out oven-bayco multiple chamber model BB-56, S/N BB-85106, natural gas fueled primary burner and afterburner, using a backup excess temperature/water mist injection opacity control system CDA 850159 4/86	Low NOx burner	50000	50000	40	250	170	145
APCD2006-PTO-870426	CUSTOM MADE ABRASIVE BLAST ROOM 20'X47'X12' HIGH, S/N BB 6321 WITH NAPCO BI-RADIAL FLOW CARTRIDGE COLLECTOR WITH AUTOMATIC REVERSE PULSE CLEANING CONTROL APP# 870426 RLB 4/27/92 APP# 981822 EAD 9/29/05981822 EAD 9/19/06	None	N/A	N/A	0	0	1	0
APCD2006-PTO-890572	Gasoline Dispensing Facility (Retail): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-HISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-910111	Automotive Refinishing Operation: one (1) Spray King Model 300, 35'l x 14'w x 12'h, one (1) Garmat Model 9970, 27'6"l x 13'7"w x 10'10'h, paint spray booths, and one (1) Garmat Model 10580 prep station, all equipped with exhaust fan and filters,	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2006-PTO-911124	PORTABLE ABRASIVE BLAST MACHINE (CAPACITY-14 TONS): WHEELER TANK MANUFACTURING CO.,MODEL R-13, S/N 84768; WITH A MAXIMUM OF 6 NOZZLES ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES	None	N/A	N/A	0	0	36	9

APCD2006-PTO-921398	Bulk cement cargo ship unloading facility of Permit No. 921398 consisting of: cement unloader, Siwertell, 800 tons per hour capacity, with an inlet device and clean-up unit and hydraulic positioning systems; a dry fog agglomerative dust suppression a	None	N/A	N/A	0	0	0	58
APCD2006-PTO-950220	METAL PARTS - POWDER COATING AND MARINE COATING APPLICATION STATION: ONE (1) DWIER MODEL MARK II PAINT SPRAY BOOTH, 30'L X 12'W X 8'H, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING SPRAY GUNS AND HAND TOOLS TO APPLY AIR DRIED MARINE COATINGS AND POWDE	Low/zero VOC Content Coatings, RTO	500	100000	182	0	0	52
APCD2006-PTO-951015	Gasoline Dispensing Facility (Retail) (BACT): Eight (08) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-204-RISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-951039	PORTABLE ABRASIVE BLASTING, KELCO, 1600 LBS CAPACITY, S/N 13379, WITH A MAXIMUM OF 3 NOZZLES ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES, USING EITHER DONALDSON-TORIT "POWERCORE CP SERIES"	None	N/A	N/A	Grouped with other ptos	0	0	0
APCD2006-PTO-961422	Crane #8: Caterpillar, Model C-15, 563 BHP, diesel fired, turbocharged, aftercooled, S/N FSE02164, Engine Family No. 8CPXL15.2ESW, vented to a Johnson Matthey CRT diesel particulate filter.	SCR	75000	75000	190	9580	700	5390
APCD2006-PTO-961463	Boiler: William & Davis, Model Tejas, 6.3 MM BTU/HR, natural gas fired, S/N 9266. 961463 AFS 28MAY1997 (982698 ALC 08/06)	Low NOx burner	500000	500000	70	1180	30	388
APCD2006-PTO-970756	EMERGENCY ENGINE: CUMMINS, MODEL 6CTA-8-3G, DIESEL FIRED, 277 BHP, S/N 44339374, DRIVING AN ELECTRIC GENERATOR, KOHLER, MODEL 15DROZ281, S/N 244806. (02/98 ALC 970756) 17CCR93115SJE04/06	DPF / DPF+SCR	10526	32686	8	89	12	13
APCD2006-PTO-973376	Emergency Diesel Engine: Detroit Diesel, Model 8163-7305, S/N 605371A1A, 800 BHP, Tier 0, Located onboard the "NASSCO Builder" Floating Drydock.	DPF / DPF+SCR	30400	94400	8	89	12	13
APCD2006-PTO-976315	Gasoline Dispensing Facility (Retail) (BACT): Sixteen (16) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-FISD System: Veeder Root S	None	N/A	N/A	994	0	0	88
APCD2006-PTO-977071	Storage Tank No. 3 Consisting Of: An Internal Reverse Floating Roof (Pan) Equipped With Steel Compression Plates And A Rubber Wiper As The Secondary Seal Which Is Mounted Independently Of The Rim Of The Floating Roof; Rim Seal System Consisting Of Me	None	N/A	N/A	5800	0	0	928
APCD2006-PTO-977072	Storage Tank No.2 Consisting Of :An Internal Reverse Slope Pontoon Floating Roof (Pan) Equipped With Steel Compression Plates And A Rubber Wiper As The Secondary Seal Which Is Mounted Independently Of The Rim Of The Floating Roof; Rim Seal System	None	N/A	N/A	5800	0	0	928
APCD2006-PTO-977073	Storage Tank No.1 Consisting Of: An Internal Reverse Slope Pontoon Floating Roof (Pan) Equipped W/ Steel Compression Plates And A Rubber Wiper As The Secondary Seal Which Is Mounted Independently Of The Rim Of The Floating Roof; Rim Seal System	None	N/A	N/A	5411	0	0	866
APCD2006-PTO-977074	Storage Tank No. 21 Consisting Of: An Internal Reverse Slope Pontoon Floating Roof (Pan) Equipped With Steel Compression Plates And A Rubber Wiper As The Secondary Seal Which Is Mounted Independently Of The Rim Of The Floating Roof; Rim Seal System C	None	N/A	N/A	5933	0	0	69
APCD2006-PTO-978791	Gasoline Dispensing Facility (Non-Retail): Two (2) nozzles; Phase II: Healy Model 400 ORVR Vacuum Assist per ARB E.O. G-70-187;Phase I EVR: Two point Morrison Brothers per ARB E.O. VR-402-B;Standing Loss EVR: per ARB E.O. VR-301-D;Tank: one (1) 10,000	None	N/A	N/A	994	0	0	88
APCD2006-PTO-979955	ABRASIVE BLAST MACHINE: SCHMIDT, MODEL 8031-032, S/N KX13326, VENTED TO 12" POLY-PLEATED FILTERS.	None	N/A	N/A	0	0	500	6
APCD2006-PTO-979956	ABRASIVE BLAST MACHINE: SCHMIDT, MODEL 8031-032, S/N KX13327, VENTED TO 12" POLY-PLEATED FILTERS.	None	N/A	N/A	0	0	500	6
APCD2006-PTO-982106	EMERGENCY STANDBY ENGINE: JOHN DEERE DIESEL ENGINE, MODEL 6068HF275, S/N PE6068H440049, RATED AT 220 BHP, MODEL YEAR 2005, EPA CERTIFIED OF ENGINE FAMILY NUMBER 4JDXL06.8038, TURBOCHARGED, DRIVING A 135 KW GENERATOR.	DPF / DPF+SCR	8360	25960	8	89	12	13

APCD2006-PTO-982479	COFFEE ROASTER: MAKE PRIMO ROASTING EQUIPMENT, MODEL PRI-35, S/N 423,140 LBS/HOUR ROASTING CAPACITY WITH 144,000 BTU/HOUR NATURAL GAS BURNER, BUILT-IN PULP COLLECTOR CYCLONE; EQUIPPED WITH A 1.5 MM BTU/HOUR NATURAL GAS FIRED AFTERBURNER	None	N/A	N/A	8	89	0	0
APCD2006-PTO-982763	EMERGENCY STANDBY ENGINE: DETROIT DIESEL ENGINE, MODEL R163-7M36, S/N 53B2003097, RATED AT 1450 BHP, MODEL YEAR 2004, EPA TIER 1 CERTIFIED OF ENGINE FAMILY NUMBER 4DDXL35.8GRP, TURBOCHARGED, DRIVING A 1000 KW GENERATOR.	DPF / DPF+SCR	55100	171100	8	89	12	0
APCD2006-PTO-984000	Portable vacuum system for collection of fiberglass dust from the shop floor	None	N/A	N/A	0	0	0	0
APCD2007-PTO-001516	Bio-Polymer Manufacturing Operation consisting of the following equipment:- three (3) TK mixers, Nos. 1, 2, and 3;- three (3) IPA filters;- three (3) press enclosures, Nos. 1, 2, and 3;- three (3) spent pumps and three (3) spent pots	Venturi Scrubber, RTO	10000	100000	27384	0	0	5390
APCD2007-PTO-003681	AUTOMOTIVE PAINTING: RHEEM MFG CO MODEL 3201-150 PAINT SPRAY BOOTH, 4' X 24' X 10' H, S/N 85 RAON, WITH EXHAUST FILTERS AND FAN; OUTSIDE APPLICATION STATION FOR SPOT SPRAYING, 25' X 25', ADJACENT TO PAINT SPRAY BOOTH; USING DEVILBISS MODEL JGA-502 A	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2007-PTO-006550	Cement storage and transfer facility of Permit No. 6550: 150,000 sqft cement storage warehouse with two Micropul 15000 cfm baghouses; two truck loading systems with four Midwest C-22 loading spouts, three 100 ton silos with one Micropul 455-9 and two	None	N/A	N/A	0	0	0	300
APCD2007-PTO-006746	Automotive refinishing Operation with two enclosed paint spray booths with makeup air heaters and one open faced exhaust bench:Booth1: Manufacturer: M-H Industrial	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2007-PTO-861093	Tank No.5: Denatured Ethanol Or Gasoline Storage, Capacity 966,000 Gallons; Fixed Roof - Internal Floating Pan. Metal Shoe Seal W/Fabric Vapor Barrier	None	N/A	N/A	1495	0	0	61
APCD2007-PTO-890975	ONE (1) CUSTOM-MADE VARNISH DIP TANK, ONE 6' LONG X 5' DIAMETER CYLINDRICAL VACUUM DIP TANK, USING POLYESTER RESIN BY DOLPH AND A SHARED STILLMAN ELECTRICAL OVEN MODEL 668ETC 7.5'L X 5.5'W X 6.5'H USED TO CURE THE POLYESTER RESIN COATED ELECTRIC MOTO	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2007-PTO-890994	KOBE MODEL K-25 DIESEL PILE DRIVING HAMMER FOR USE WITH A CRAWLER CRANE EXEMPTED FROM DISTRICT PERMIT VIA RULE 11.	None	N/A	N/A	220	350	0	275
APCD2007-PTO-920963	METHYL BROMIDE FRUIT FUMIGATION: CONSISTING OF THREE (3) TARPPED GRIDS, EACH HAVING A MINIMUM OF 9,000-CFM CAPACITY BLOWER, AND EACH VENTED TO A SEPARATE 1.67-FEET DIAMETER STACK, WITH A STACK HEIGHT OF 26 METERS (85.3 FEET)	RTO	100000	100000	0	0	0	0
APCD2007-PTO-930482	Tank #4: Gasoline Or Denatured Ethanol Storage, 65 Feet Diameter, 56 Feet High, 1,260,000 Gallon Capacity, Internal Floating Roof. Double Seals By Matrix Installed To Cover The Annular Space Between The Pan Rim And The Tank Wall, Primary Seal:	None	N/A	N/A	4431	0	0	4431
APCD2007-PTO-930944	Loading Rack No. 3 consisting of: two (2) vapor recovery arms and seven (7) bottom loading arms which can load either: denatured ethanol, gasoline, transmix, diesel or jet fuel. The emissions from this operation are controlled by the vapor recovery	None	N/A	N/A	32	0	0	5
APCD2007-PTO-962075	ONE (1) 316 BHP MITSUBISHI FUSO DIESEL ENGINE, MODEL 6D24-TLA2F, S/N 6D24359428, DRIVING A CRANE ON THE POSD DRY DOCK.	None	N/A	N/A	33	822	0	16
APCD2007-PTO-970666	OIL DEMULSIFIER PRODUCTION: ONE (1) HORIZONTAL STAINLESS STEEL BLENDER, 4000 GALLON CAPACITY FOR BLENDING OF OIL DEMULSIFIERS. 970666/LWA	None	N/A	N/A	2	0	0	2
APCD2007-PTO-974936	OPEN AIR PLASMA CUTTER AND EXHAUST CONTROLS: ESAB PLASMA CUTTING SYSTEM, MODEL AVENGER 3; TORIT DOWNFLO MODEL DFT 3-48 RATED AT 99.99% EFFICIENCY FOR 1 MICRON PARTICLES, FOLLOWED BY HEPA FILTER SYSTEM RATED AT 99.97% EFF. FOR 0.3 MICRON PARTICULATES	None	N/A	N/A	0	134	10	0
APCD2007-PTO-975149	OPEN AIR PLASMA CUTTER AND EXHAUST CONTROLS: ESAB PLASMA CUTTING SYSTEM, MODEL AVENGER 3-10M VISNT; DONALDSON COMPANY INC., "TORIT DOWNFLO" MODEL DPT 4-48, RATED AT 99.99%	None	N/A	N/A	0	612	32	0

	EFFICIENCY FOR 1 MICRON PARTICLES, FOLLOWED BY HEPA FILTER SYSTEM							
APCD2007-PTO-977754	PLASMA CUTTER, OPEN AIR, ROBOTIC. BRAND: SULT. SERIAL NO.: 0848-1735-01. AIR POLLUTION CONTROL EQUIPMENT: TWO PREFILTER UNITS WITH 18 CARTRIDGES TOTAL FILTER AREA OF 378 MT2 WITH AUTOMATIC PROGRAMMABLE COMPRESSED AIR CLEANING. HEPA FINAL FILTER	None	N/A	N/A	0	708	0	0
APCD2007-PTO-977769	WOOD COATING OPERATION: ONE (1) SPRAY KING, 28'L X 15'W X 9'H, PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING HVLP SPRAY EQUIPMENT TO APPLY WOOD COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2007-PTO-977974	A RAILROAD TANK CAR UNLOADING STATION FOR SIX (6) RAILROAD TANK CARS WITHIN-TRACK DRIP PANS AND TWO (2) PUMPS TO TRANSFER DENATURED ETHANOL FROM RAIL CARS TO EXISTING BULK STORAGE TANKS; ONE (1) 30,000 GALLON UNDERGROUND SPILL COLLECTION TANK	None	N/A	N/A	600	0	0	0
APCD2007-PTO-978015	EMERGENCY ENGINE: CUMMINS, MODEL QST30-G1, 1135 BHP, DIESEL FIRED, TURBOCHARGED, AFTERCOOLED, S/N 37204360, CARB CERTIFICATION NO. U-R-2-105, EPA CERTIFICATION NO. CEX-NR9-01-32, DRIVING A 750-KW ELECTRIC GENERATOR	DPF / DPF+SCR	43130	133930	8	89	12	13
APCD2007-PTO-978016	EMERGENCY ENGINE: CUMMINS, MODEL QST30-G1, 1135 BHP, DIESEL FIRED, TURBOCHARGED, AFTERCOOLED, S/N 37204475, CARB CERTIFICATE NO. U-R-2-105, EPA CERTIFICATE NO. CEX-NR9-01-32, DRIVING A 750-KW ELECTRIC GENERATOR.	DPF / DPF+SCR	43130	133930	8	89	12	13
APCD2007-PTO-978048	PLASMA CUTTER. AT OPEN AIR, ROBOTIC. BRAND: SULT. SERIAL NO.: 0849-1735-01 AIR POLLUTION CONTROL EQUIPMENT: TWO PREFILTER UNITS WITH 18 CARTRIDGES TOTAL FILTER AREA OF 378 MT2 WITH AUTOMATIC PROGRAMMABLE COMPRESSED AIR CLEANING. HEPA FINAL FILTER	None	N/A	N/A	0	708	0	0
APCD2007-PTO-979959	EMERGENCY STANDBY ENGINE: DETROIT DIESEL ENGINE, MODEL 6063HK35, S/N 06RD787639 RATED AT 635 BHP, MODEL YEAR 2002, EPA TIER 1 CERTIFIED OF ENGINE FAMILY NUMBER 2DDXL14.0VLD, TURBO CHARGED, DRIVING A 405 KW GENERATOR.	DPF / DPF+SCR	24130	74930	8	89	12	13
APCD2007-PTO-980736	Marine and metal parts & products coating operation conducted outside; Operation equipped with air-drying, disposable brushes, rollers & refillable spray guns to apply materials compliant with Rule 67.18 and Rule 67.3; An open face paint booth	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2007-PTO-981661	MARINE COATING OPERATION (PORTABLE, TYPE I): CONDUCTED ON MARINE VESSELS, SHRINK-WRAPPED WITH EXHAUST DUCTED THROUGH A THREE IN-LINE FILTER SYSTEM, EQUIPPED WITH EXHAUST FAN (1200 CFM), USING HVLP, COMPRESSED AIR, AIRLESS, AND AIR-ASSISTED AIRLESS SPRAYER	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2007-PTO-983382	SOLVENT RECOVERY PROCESS, CONSISTING OF: ONE (1) CB MILLS MICRO STILL USED TO RECOVER SOLVENTS.	RTO	100000	100000	0	0	0	0
APCD2007-PTO-983844	INTERNAL COMBUSTION ENGINE. MAKE: MITSUBISHI. MODEL: S12A2-Y1PTA-1. SERIAL NUMBER 24501. BHP RATING: 1126. DIESEL FUELED. EQUIPPED WITH TURBOCHARGER DRIVES AN ELECTRICAL EMERGENCY GENERATOR RATED AT 760 KW. JFTNEWAUG0306	DPF / DPF+SCR	42788	132868	8	89	12	13
APCD2007-PTO-983944	COFFEE ROASTER: MAKE JABEZ BURNS, MODEL 15R, S/N: 1103, 800 LBS/HOUR ROASTING CAPACITY WITH 1 MMBTU/HOUR MAXON NATURAL GAS BURNER; PULP COLLECTOR CYCLONES; NATURAL GAS FIRED AFTERBURNER, MAKE CONVERSION PRODUCTS INC., WITH 5 MMBTU/HOUR ECLIPSE BURNER	None	N/A	N/A	60	900	0	0
APCD2007-PTO-984686	EMERGENCY STANDBY ENGINE: 105 NATURAL GAS, GEN. MOTORS/INDUSTRIAL POWERTRAIN MODEL VORTEC 5.7L, S/N 5.7L-7577, DRIVING A KOHLER MODEL 60 RZ 60 KW GENERATOR (S/N 0774556).	A/F controller and 3 way catalyst	8000	8000	8	89	12	13
APCD2007-PTO-984927	EMERGENCY STANDBY ENGINE: DETROIT DIESEL ENGINE, MODEL 6063HV35, S/N 06R0951557, RATED AT 635 BHP, MODEL YEAR 2006, EPA TIER 3 CERTIFIED OF ENGINE FAMILY NUMBER 6DDXL14.0VLD, TURBOCHARGED, AFTERCOOLED, DRIVING A 405 KW GENERATOR.	DPF / DPF+SCR	24130	74930	8	89	12	13
APCD2008-PTO-003309	ELECTRIC MOTOR INSULATING LINE: CLEAN MASTER MOD 70B DEGREASER-21"X 33.5" X27"H VARNISH DIP TANK-4'X4'X4'H; OVEN-5'X5'X6'H, ELECTRICALLY HEATED.	Lower VOC Solvents	500	500	0	0	0	0

APCD2008-PTO-003896	PAINT SPRAY BOOTH: WEST COAST, MOD W-C-27-9, 14'W X 9'H X 27'L, WITH EXHAUST FILTERS & 2-HP EXHAUST FAN	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2008-PTO-006110	AUTOMOTIVE REFINISHING OPERATION: ONE (1) GARMAT USA ZEPHYR MODEL 88300, 27'L X 14'W X 11'H, PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING HVLP SPRAY EQUIPMENT TO APPLY AUTOMOTIVE COATINGS.	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2008-PTO-006901	Gasoline Dispensing Facility (Retail) (BACT): Eight (8) nozzles with three (3) grades per nozzle as listed in Exhibit 1 of the Phase II Executive Order specified below Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-FISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2008-PTO-006987	A GASOLINE DISPENSING FACILITY: EIGHT (8) HEALY 900 NOZZLES WITH THREE (3) GRADES PER NOZZLE PHASE I: TWO POINT, PHIL-TITE PER ARB EO VR-101-APHASE II: HEALY VACUUM ASSIST PER ARB EO VR-202-CISD SYSTEM: VEEDER-ROOT SOFTWARE VERSION 1.01	None	N/A	N/A	994	0	0	88
APCD2008-PTO-007657	MARINE COATING OPERATIONS: OUTSIDE PAINT APPLICATION STATIONS	Low/zero VOC Content Coatings, RTO	500	100000	105614	0	0	98172
APCD2008-PTO-020027	ABRASIVE BLAST MACHINE (300-LB CAPACITY): PAULI-GRIFFIN, MODEL WB-7081, S/N NB 7081, 1 NOZZLE	None	N/A	N/A	0	0	500	6
APCD2008-PTO-030018	Tank No 3 (1,260,000 Gallon Capacity Gasoline Or Ethanol Storage): Fixed Roof-Internal Floating Roof With Double Seals- A Mechanical-Shoe Primary Seal Manufactured By Hmt, Inc, And A Rubber-Backed, Rim-Mounted Wiper Secondary Seal.	None	N/A	N/A	19	0	0	19
APCD2008-PTO-030020	Tank No 6 (84,000 Gallon Capacity Transmix Storage): GATX Fixed Roof-Internal Floating Pan; GATX Vapor Mounted Mechanical Shoe Seal Primary. Rubber Backed Rim Mounted Wiper Secondary Seal. Subject To NSPS - Subpart Ka	None	N/A	N/A	417	0	0	417
APCD2008-PTO-030021	Tank No 1 (2,730,000 Gallon Capacity Gasoline Storage): GATX Fixed Roof-Internal Floating Pan; Matrix Primary Shoe Seal, Secondary Rim Mounted Wiper	None	N/A	N/A	1802	0	0	74
APCD2008-PTO-850182	Wood coating operation consisting of: one (1) open faced paint spray booth; manufacturer: Binks ;DIM: 10'X8'X7'D;stack height: 19.4' above ground; one (1) open faced paint spray booth; manufacturer: Devilbiss; model: XDN;DIM: 10'X6'X7'D;stack height: 20.6'	Low/zero VOC Content Coatings, RTO	500	100000	36500	0	0	100
APCD2008-PTO-880166	SURFACE COATING OPERATION (LEATHER GOODS): ONE (1) BINKS (4' X 3' X 4'), ONE (1) DEVILBISS (3.5' X 6' X 4.3') AND ONE (1) RELY-ON (6' X 3' X 4') BENCH-TYPE PAINT SPRAY BOOTHS EACH EQUIPPED WITH EXHAUST FANS & FILTERS USING TWO (2) DYOFLEX SPRAY GUNS.	Low/zero VOC Content Coatings, RTO	500	100000	3968	0	0	7936
APCD2008-PTO-890422	SOLID BULK CHEMICAL TRANSFER AND STORAGE FACILITY: DRIVE-OVER TRUCK PIT WITH FIXED GRIZZLY (MAX. UNLOADING RATE 700 TONS/HR) 80 TON CAP. SURGE BIN, CONVEYORS 60" X 31', 30" X 89.5', 3 (24" X 60'), 24" X 55', 30" X 75'; LOADHOPPER	silo with vent filter and pneumatic material transfer to trucks	50000	75000	0	0	0	135
APCD2008-PTO-900256	FIBER GLASS MACHINING FACILITY: VARIOUS HAND AND MOTOR TOOLS; PLASTIC SHROUDING OF THE WORK AREA (ADJUSTABLE ROOM) WITH A FILTERED VENTILATION SYSTEM, CONTROL RESOURCE SYSTEMS, INC., MODEL 2000, WITH PRE-FILTER AND FINAL HEPA FILTER; PORTABLE VACUUM	None	N/A	N/A	0	0	7	0
APCD2008-PTO-900401	ONE (1) OUTSIDE PAINT APPLICATION STATION EQUIPPED WITH ONE (1) STEAMWAY MODEL 40 AIR-ATOMIZED PAINT SPRAY GUN AND APPLYING ASCO BLACK LATEX PAINT.	Low/zero VOC Content Coatings, RTO	500	100000	8500	0	0	250
APCD2008-PTO-910519	A COATING OPERATION CONSISTING OF TWO (2) CUSTOM DIP TANKS ONE 18" X 36" X20" THE OTHER 29" X 24" X 52" AND VARIOUS HAND APPLICATORS, APPLYING VARIOUS DYES AND COATINGS. 9	Low/zero VOC Content Coatings, RTO	500	100000	8496	0	0	102
APCD2008-PTO-911437	FACILITY-WIDE WOOD COATING OPERATION AND ADHESIVE APPLICATION OPERATION: CONSISTING OF ONE (1) HVLP SPRAY GUN, BRUSHES AND ROLLERS USED TO APPLY VARIOUS COATINGS TO WOOD, AND ADHESIVES TO WOOD AND PLASTIC PRODUCTS.	Low/zero VOC Content Coatings, RTO	500	100000	15	0	0	0

APCD2008-PTO-920722	Portable marine coating operation: fourteen (14) airless spray guns - two (2) Wiwa model 333, five (5) Graco model Premier 74.1, four (4) Graco Bulldogs 30.1 and three (3) Titan 7401	Low/zero VOC Content Coatings, RTO	500	100000	50000	0	0	50
APCD2008-PTO-921303	Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXl030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #14.	None	N/A	N/A	373	224	0	13
APCD2008-PTO-930298	Abrasive blast room with recycling equipment: blast room (50ft x 70ft x 31ft h) custom made with metallic rolling doors for access. Dust control equipment Torit Dust collector, Model: 4DF48, Serial No.: 242074, with 48 cartridge filters	None	N/A	N/A	0	0	0	1
APCD2008-PTO-940101	SIMULATED MARBLE FABRICATION STATION: ONE (1) GRUBER SYSTEMS SPRAY BOOTH, 13'L X 8'W X 7'H, EQUIPPED WITH EXHAUST FILTERS AND FAN, ONE (1) STAR SYSTEM AIRLESS GELCOAT SPRAY GUN, TWO (2) ELECTRIC MIXERS, A GRINDING AREA WHICH EXHAUSTS TO A BAGHOUSE	Low/zero VOC Content Materials, RTO	500	100000	36500	0	0	3650
APCD2008-PTO-950309	REMOTE RESERVOIR SOLVENT CLEANER: MANUFACTURER: SAFETY KLEEN MODEL NO.: 250 DEGREASING SOLVENT: SEE ATTACHMENT AA MAY ALSO BE LABELED AS SYSTEM ONE MODEL 500	Low/zero VOC Content Solvent, RTO	500	100000	3600	0	0	0
APCD2008-PTO-950370	Tank no. 9: wastewater bulk storage tank, 30 feet in diameter and 40 feet high with a capacity of 5,000 barrels (210,000 gallons), equipped with a two point vapor recovery system with one (1) product loading adaptor with mechanical valve	None	N/A	N/A	400	0	0	101
APCD2008-PTO-950704	Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXl015.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #11.	None	N/A	N/A	172	86	0	140
APCD2008-PTO-950705	Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 6CEXl015.AAB, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #10.	None	N/A	N/A	164	137	0	8
APCD2008-PTO-950706	Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXl030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #12.	None	N/A	N/A	443	427	0	11
APCD2008-PTO-960839	Stationary marine coating operation: using spray guns, brushes, roller sand other manually held, non-mechanically operated application equipment to apply coatings to surfaces which will be exposed to marine environments	Low/zero VOC Content Coatings, RTO	500	100000	3600	0	0	360
APCD2008-PTO-960855	ADHESIVE MATERIALS BRUSH APPLICATION STATIONS: VARIOUS WORK BENCH STATIONS FOR HAND BRUSH APPLICATION OF MIDWEST INDUSTRIAL CHEMICALS NEOPRENE ADHESIVE TO LEATHER MATERIALS.	Low/zero VOC Content Materials, RTO	500	100000	3650	0	0	300
APCD2008-PTO-961424	Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 5CEXl015.AAB, vented to a diesel particulate filter, driving Crane #9.	SCR	75000	75000	58	1967	0	5
APCD2008-PTO-961425	Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 5CEXl015.AAB, vented to a diesel particulate filter, driving Crane #7.	SCR	75000	75000	10	349	0	1
APCD2008-PTO-961460	Abrasive Blast Room: Custom made blast room 40' x 8' x 8'6", controlled by two Donaldson dust collectors model ECB1 with MERV 16 rated cartridge filters, one (1) Schmidt abrasive blast machine model 6.5, s/n 7315 powered by an electric compressor	None	N/A	N/A	0	0	500	6
APCD2008-PTO-961524	One (1) Schmidt Abrasive Blast Machine Model 6.5, S/N K7315, 650 lbs capacity, with an electric compressor (apprx. 200 cfm); unit operated in a custom made blast room 40'L x 8'W x 8'6"H vented to two (2) Donaldson dust collectors Model ECB with a 13,	None	N/A	N/A	0	0	500	6
APCD2008-PTO-961986	COLD SOLVENT CLEANER: MANUFACTURER: SAFETY-KLEEN MODEL: 34 INTERNAL SIZE: 33.5"L X 24.0"W X 17.0"H	Low/zero VOC Content Solvent, RTO	500	100000	3600	0	0	0
APCD2008-PTO-970118	CORN SILO, 30 TON, PNEUMATICALLY LOADED.	None	N/A	N/A	0	0	0	0

APCD2008-PTO-975048	TROLLEY CAR SPRAY BOOTH: ONE (1) AIR MANAGEMENT SYSTEMS DOWN DRAFT SPRAY BOOTH 102 FT LONG X 30 FT WIDE X 21 FT HIGH EQUIPPED WITH FIVE (5) 27,200-CFM EXHAUST FANS WITH DRY FILTERS: TWO (2) NATURAL GAS FIRED WARMING HEATERS	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2008-PTO-975360	Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXl030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #15.	None	N/A	N/A	389	485	0	136
APCD2008-PTO-975361	Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXl030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #16.	None	N/A	N/A	369	132	0	129
APCD2008-PTO-977820	ADHESIVE MATERIALS APPLICATION OPERATION (PORTABLE, TYPE 1): USING DISPOSABLE PAINT BRUSHES AND ROLLERS TO APPLY AIR DRIED ADHESIVES TO INTERIOR AND EXTERIOR SURFACES OF NAVAL VESSELS; NO VOLATILE ORGANIC COMPOUND (VOC)- OR TOXIC AIR CONTAMINANT	Low/zero VOC Content Adhesives, RTO	500	100000	0	0	0	0
APCD2008-PTO-978035	REMOTE RESERVOIR SOLVENT CLEANER: MANUFACTURER: SYSTEM ONE MODEL NO: 500 INTERNAL SIZE: 36.0 L X 27.0 W X 7.0 H SOLVENT: SEE ATTACHMENT AA MAY ALSO BE LABELED AS SAFETY KLEEN MODEL 250	Low/zero VOC Content Solvents, RTO	500	100000	66	0	0	0
APCD2008-PTO-978046	Remote Reservoir Cleaner Manufacturer: Safety-Kleen Model: 250Serial Number: 07052956Wash Basin Dimensions: 36" L x 27" W x 7" H May also be labeled as System One Model 500Solven: See Attachment AA	Low/zero VOC Content Solvents, RTO	500	100000	3600	0	0	0
APCD2008-PTO-978047	Remote Reservoir Cleaner Manufacturer: Safety-Kleen Model: 250Serial Number: 025022717Wash Basin Dimensions: 36" L x 27" W x 7" H May also be labeled as System One Model 500Solvent: See Attachment AA	Low/zero VOC Content Solvents, RTO	500	100000	3600	0	0	0
APCD2008-PTO-978418	PORTABLE ADHESIVE APPLICATION OPERATION: CONSISTING OF HAND APPLICATION METHODS TO APPLY ADHESIVE(S).	Low/zero VOC Content Adhesives, RTO	500	100000	0	0	0	0
APCD2008-PTO-978556	PETROLEUM-BASED SOLVENT DRY CLEANING FACILITY: ONE (1) COLUMBIA/l1SA MODEL HC2 240, 40-LB CAPACITY, S/N: 02F4181, CLOSED-LOOP DRY-TO-DRY CLEANING MACHINE EQUIPPED WITH PAPER AND CARBON FILTRATION, BUILT-IN REFRIGERATION AND SOLVENT DISTILLATION SYSTEM	None	N/A	N/A	3500	0	0	0
APCD2008-PTO-979491	PLASMA CUTTER: MADE BY ESAB CUTTING SYSTEMS, MODEL AVENGER 3, S/N 0560936755, USED FOR CUTTING MILD STEEL GRADE AH36, EH36 AND DH36, EQUIPPED WITH TORIT FILTER SYSTEM MODEL DFT-4-64, S/N IG910308, WITH TORIT ULTRA-WEB II FILTER CARTRIDGES, FO	None	N/A	N/A	0	676	0	0
APCD2008-PTO-979545	REMOTE RESERVOIR CLEANER MANUFACTURER: SYSTEM ONE TECHNOLOGIES MODEL: 250 S/N: 25024592 INTERNAL DIMENSIONS: 36 IN. X 27 IN. X 9 IN. DEGREASING SOLVENT	Low/zero VOC Content Solvents, RTO	500	100000	3600	0	0	0
APCD2008-PTO-979695	INTERNAL COMBUSTION ENGINE. MAKE: JOHN DEERE, MODEL: 6068HF275. SERIAL NO. 6068H366602. EPA Family Number 4JDXL06.8038. YEAR OF MANUFACTURE: 2004. BHP RATING: 300 HP. DIESEL FUELED. EQUIPPED WITH TURBOCHARGER AND AFTERCOOLER. DRIVES AN ELECTRICAL	DPF / DPF+SCR	11400	35400	8	89	12	13
APCD2008-PTO-980368	ONE TYPE I PORTABLE MARINE COATING APPLICATION STATION USING HAND TOOLS SUCH AS DISPOSABLE PAINT BRUSHES AND ROLLERS TO APPLY AIR DRIED RULE 67.18 COMPLIANT COATINGS TO INTERIOR AND EXTERIOR SURFACES OF NAVY VESSELS.	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2008-PTO-980872	COLD SOLVENT REMOTE RESERVOIR MANUFACTURER: SYSTEM ONE TECHNOLOGIES INC MODEL NO: 500 DIMENSIONS: 34.75 IN. L X 23 IN W. X 17 IN. H SERIAL NO: 500012547 DEGREASING SOLVENT	Low/zero VOC Content Solvents, RTO	500	100000	3650	0	0	0
APCD2008-PTO-980873	COLD SOLVENT REMOTE RESERVOIR MANUFACTURER: SYSTEM ONE TECHNOLOGIES INC MODEL NO: 500 DIMENSIONS: 20 IN. L X 30 IN W. X 9.5 IN. H SERIAL NO: 500012756 DEGREASING SOLVENT	Low/zero VOC Content Solvents, RTO	500	100000	3650	0	0	0
APCD2008-PTO-981913	ONE (1) CONCRETE READY MIX PLANT: 400 CU. YD. PER HOUR INCLUDING ONE (1) 3-COMPARTMENT CEMENT/ FLY ASH SILO, ONE (1) 12 CU. YD. CMI / TEREX CEMENT WEIGHT BATCHER MODEL B-10-3, S/N 130 DUCTED TO LMC SALES BAGHOUSE MODEL # 100-FDT-10, S/N 04303	None	N/A	N/A	0	0	0	252

APCD2008-PTO-983999	PORTABLE ABRASIVE BLASTING UNIT (CONFINED). MAKE: US FILTER-SCHMIDT, MODEL: 3.5 CU FT., 1 1/4" NOZZLE, 150 PSIG. MAX. OPERATING PRESSURE. USES GRIT. FILTER: TORIT DUST COLLECTION UNIT: DFT EZ ULTRA-WEB II, EFFICIENCY MORE THAN 90% FOR PARTICLES >1 MI	None	N/A	N/A	0	0	500	6
APCD2008-PTO-984588	PULSED LOW FLOW BIOSPARGING OEPRATION CONSISTING OF AN AIR COMPRESSORINGERSOLL RAND MODEL UP6-15-125, S/N PX2693U03363, and CONNECTED TO FOUR (4) SPARGING WELLS. AIR SPARGING.	None	N/A	N/A	1	0	0	1
APCD2008-PTO-984719	PORTABLE DIESEL ENGINE: JOHN DEERE 6125AFM, S/N: RG6125A045212, 389 BHP, MARINE CERTIFIED OF FAMILY #4JDXM12.5071, TURBOCHARGED, DRIVING A WATER JET PUMP USED FOR PILE DRIVING. THE ENGINE'S FUEL TANK IS INTEGRAL TO MARINE VESSEL.	None	N/A	N/A	8	89	12	13
APCD2008-PTO-984991	Plasma Cutter: Avenger Model 3.6 AVG V1555, S/N 0506943404; with a downdraft table vented to an 18,000 cfm Donaldson Torit dust collector, Model DFO3-60, equipped with HEPA filters.	None	N/A	N/A	0	688	252	0
APCD2008-PTO-985390	INTERNAL COMBUSTION ENGINE. MAKE: CUMMINS, MODEL: QSK50-G4 NR2, SERIAL NO.: 33171561, YEAR OF MANUFACTURE: 2007. BHP: 2,220 HP. DIESEL FUELED. EQUIPPED WITH TURBOCHARGER AND AFTERCOOLER. ENGINE CERTIFIED FAMILY NO.: 7CEXL050.AAD.	DPF / DPF+SCR	84360	261960	8	89	12	13
APCD2008-PTO-985666	Automotive coating refinishing operation consisting of one (1) enclosed paint spray booth and one (1) enclosed paint spray booth and prep station: Manufacturer: Global Finishing Solutions Model: Performer	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2009-PTO-000370	Gasoline dispensing facility (non-retail): Phase II VRS: exempt per rule 61.4.1(b)(5) Phase I VRS: two point OPW EVR per ARB EO VR-102-J.Tanks: one (1) 20,000 gallon, gasoline, UST.	None	N/A	N/A	185	0	0	10
APCD2009-PTO-000391	Coffee roaster: Make Diedrich, Model IR-12, S/N 12758, 118 lbs/hour maximum roasting capacity, with 0.063 MMBtu/hour natural gas burner and built-in pulp collector cyclone; catalytic oxidizer: Make Diedrich, Model DCO 7/12, S/N 1367, with 0.455 MMBtu/	None	N/A	N/A	10	190	0	0
APCD2009-PTO-000489	BLDG. S-8, ONE 300 CU.FT. STAINLESS STEEL RIBBON BLENDER #13 (4000 LBS PER HOUR CAPACITY) MANUALLY LOADED WITH STRAY DUST HOOD AND DUCTING TO STRAY DUST BAGHOUSE SHARED WITH BLENDERS #10, #11, AND #12. BLENDER/PACKING SYSTEMS 250-LBS/HR	None	N/A	N/A	150	0	0	0
APCD2009-PTO-000526	PORTABLE ABRASIVE BLAST MACHINE (900-LB CAPACITY): CLEMCO MODEL 3658, S/N 11897, WITH A MAXIMUM OF 1 NOZZLE ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES, USING EITHER DONALDSON-TORIT "POWERCORE	None	N/A	N/A	Grouped with other ptos	0	0	0
APCD2009-PTO-002131	ABRASIVE BLAST ROOM: 16'W X 40'L X 16'H (10,240 CU FT); EXHAUST FAN; BAGHOUSE DUST COLLECTOR	None	N/A	N/A	0	0	500	6
APCD2009-PTO-002280	MARINE, METAL, AND MOTOR VEHICLE COATING OPERATION: ONE (1) SPRAY SYSTEMS INC. 30 FT. X 40 FT. X 16 FT. H PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FILTERS AND TWO (2) 5-HP EXHAUST FANS.	Low/zero VOC Content Coatings, RTO	500	100000	1250	0	0	630
APCD2009-PTO-003914	MARINE, METAL, AND MOTOR VEHICLE COATING OPERATION: ONE (1) WEST COAST, 40'L X 16'W X 10'H, PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FAN AND FILTERS.	Low/zero VOC Content Coatings, RTO	500	100000	Grouped with other ptos.	0	0	0
APCD2009-PTO-005926	MARINE COATING OPERATION (27,500 CU FT): CUSTOM-MADE, 55' X 25' X 20'H; EXHAUST SYSTEM OF 6 LOUVERED WINDOWS & 10-HP FAN (APPL #12674) 1279	Low/zero VOC Content Coatings, RTO	500	100000	Grouped with other ptos	0	0	0
APCD2009-PTO-005973	ABRASIVE BLAST ROOM (28,600 CU FT): CUSTOM-MADE, 50' X 26' X 22'H; WHEELABRATOR 52,000 CFM BAGHOUSE, 6786 SQ FT FILTER CLOTH AREA, S/N A-132290; ABRASIVE BLAST MEDIA STORAGE SILO, 10.5'W X 10.5'LX 40'H.	None	N/A	N/A	0	0	0	0
APCD2009-PTO-006382	PORTABLE ABRASIVE BLAST MACHINE: KEY ENG MODEL T8-47, 8-TON CAPACITY, S/N 551, WITH A MAXIMUM OF 2 NOZZLES ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES, USING EITHER DONALDSON-TORIT "POWERCORE	None	N/A	N/A	0	0	0	15

APCD2009-PTO-006658	PORTABLE ABRASIVE BLAST MACHINE: KEY, 5-TON CAPACITY, S/N: T6-221-M; TRUCK MOUNTED, WITH A MAXIMUM OF 1 NOZZLE ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES, USING EITHER DONALDSON-TORIT	None	N/A	N/A	Grouped with Permit 6382. Includes Permits 6382, 6658.	0	0	0
APCD2009-PTO-006951	ABRASIVE BLAST ROOM (2880 CU FT): CLEMCO, 20' X 12' X 12'H; BAGHOUSE, 7800 CFM, 2160 SQ FT FILTER CLOTH AREA; ABRASIVE BLAST MACHINE	None	N/A	N/A	0	0	0	1
APCD2009-PTO-007493	Gasoline Dispensing Facility (Retail) (BACT): Eight (08) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-FISD System: Veeder Root	None	N/A	N/A	994	0	0	88
APCD2009-PTO-007552	METAL PARTS/PRODUCTS COATING, OUTDOOR: PAINT SPRAY AREA	Low/zero VOC Content Coatings, RTO	500	100000	1250	0	0	630
APCD2009-PTO-020858	METAL PARTS/MARINE COATING: WEST COAST PAINT SPRAY BOOTH, 9.3' X 14' X 27' D, WITH EXHAUST FILTERS, USING TWO (2) BINKS MODEL 2001 AIR-ATOMIZED AND TWO (2) BINKS MODEL BBR HVLP SPRAY GUNS BOTH INSIDE AND OUTSIDE THE BOOTH TO APPLY COATINGS BY PROLINE	Low/zero VOC Content Coatings, RTO	500	100000	847	0	0	262
APCD2009-PTO-020911	ABRASIVE HANDLING SYSTEM: FEED HOPPER; BUCKET ELEVATOR, 40' H, ENCLOSED; ELEVATED STORAGE BIN, 8' X 8' X 10'H, EQUIPPED WITH VENT SOCK OR DUST COLLECTOR WITH MINIMUM 90% REMOVAL EFFICIENCY; TRUCK LOADOUT (DISCHARGE VALVE, 4"DIA); BAGGING SYSTEM (100	None	N/A	N/A	0	0	500	6
		None	N/A	N/A	0	0	178	74
APCD2009-PTO-040282	ONE(1) AUTOMOTIVE PAINT SPRAY BOOTH: ONE (1) SPRAY BANK PAINT SPRAY BOOTH, 14'W X 11'H X 24'L, DOWNDRAFT, 5-HP INTAKE & EXHAUST FANS & FILTERS, 3' X 5' X 5', WATER WASH SECTION, INTEGRAL DIRECT GAS-FIRED AIR HEATER, 700M BTU/H RATING; AND HVLP SPRAY	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2009-PTO-040928	ABRASIVE HANDLING SYSTEM: CUSTOM-MADE ELEVATED STEEL STORAGE UNIT (80-TON CAPACITY) W/2 HOPPERS, EACH 40 TON; LOADING EQUIPMENT - A BUCKET ELEVATOR & 2 PNEUMATIC HOSES, EACH 4"DIA; 3 GRAVITY FED OUTPUTS -A DIRECT TRUCK FILL TUBE	None	N/A	N/A	0	0	500	6
APCD2009-PTO-050265	Cogeneration Unit #1: One (1) Solar Mars 100 SoLoNOx turbine, natural gas fired, 101.2 MMbtu/hour (LHV) @ 59ø F engine inlet temperature, 60% RH, 9.175 MW net power; with one (1) Coen low-NOx duct burner, 38 MMbtu/hour (lhv) fired on natural gas	SCR	763389	763389	2075	2958	0	10
APCD2009-PTO-850679	Cogeneration Unit # 3: One (1) Solar Mars 100S model T-15000S SoLoNOx turbine, natural gas fired, rated 103 milion btu/hour @ 59 degrees f, 60% rh,(LHV) based on generator limited to 9.58 MW gross power at the generator; 10.3 MW net power output	SCR	763389	763389	6570	11222	0	29
APCD2009-PTO-850680	Cogeneration Unit # 2: One (1) Solar Mars 100S model T-15000S SoLoNOx turbine, natural gas fired, rated 103 milion btu/hour @ 59 degrees f, 60% rh,(LHV) based on generator limited to 9.58 MW gross power at the generator; 10.3 MW net power output	SCR	763389	763389	33925	39237	0	152
APCD2009-PTO-860526	Abrasive Blast Equipment : Primeline No. 1: Rosler Roller-Conveyor Blast Cleaning Machine RRB 42/6 S/N 70448.Controlled by pulse jet bag-house, Rosler RF 200/24 P/s-HP, S/N 70450, with 24 Nordic Air Filtration A/S model138FH synthetic cellulose filter	None	N/A	N/A	0	0	0	0
APCD2009-PTO-870565	ABRASIVE BLAST MACHINE (CAPACITY-8 TONS): BERKLEY STEEL CONSTRUCTION CO., S/N 12250; 4 NOZZLES (PORTABLE EQUIPMENT)	None	N/A	N/A	0	0	178	74
APCD2009-PTO-870741	MARINE COATING APPLICATION STATION, CONSISTING OF: ONE (1) BINKS MODEL TA539 PAINT SPRAY BOOTH, WITH EXHAUST FILTERS AND FAN; USING HIGH-VOLUME LOW-PRES (HVLP) AIR-LESS, HAND BRUSHES AND ROLLER APPLICATION METHODS FOR COATING OF SHIPS, AND COMPONENT PARTS AND STRUCTURES INTENDED FOR EXPOSURE TO MARINE ENVIRONMENT; PAINTING EQUIPMENT CLEANING CONDUCTED	Low/zero VOC Content Coatings, RTO	500	100000	6519	0	0	634

	IN AN ENCLOSED WASHER; OPERATIONS ALSO CONDUCTED AT THE FACILITY'S PIERS.							
APCD2009-PTO-890028	Metal coating operation consisting of: One enclosed paint spray booth Manufacturer: Col-Met Model: TCC-16-14-54Inside Dimensions: 54 feet wide x 16 feet long x 14 feet high With standard exhaust filters, 25,600 cfm fan,	Low/zero VOC Content Coatings, RTO	500	100000	1562	0	0	707
APCD2009-PTO-890954	PORTABLE MARINE COATING EQUIPMENT, CONSISTING OF: THREE (3) GRACO, ONE (1) BINKS & ONE (1) TITAN AIRLESS PUMPS; SIX (6) GRACO MODEL G1265 HVLP GUNS; ONE (1) HERKULES MODEL GVR GUN CLEANER; AND HAND ROLLERS AND BRUSHES; MARINE COATING OPERATIONS	Low/zero VOC Content Coatings, RTO	500	100000	50000	0	0	0
APCD2009-PTO-890955	BURNOUT OVEN: BAYCO INDUSTRIES OF CALIFORNIA, MODEL BB-150, SN B4003; NATURAL GAS-FIRED; NOMINAL 5' X 5' X 6'H PRIMARY (MAIN) CHAMBER WITH INTEGRAL AFTERBURNER AIR POLLUTION CONTROL SYSTEM, AND DUAL SET POINT TEMPERATURE CONTROL.	Low NOx burner	50000	50000	20	100	0	78
APCD2009-PTO-900201	PORTABLE ABRASIVE BLAST MACHINE (CAPACITY-14 TONS): WHEELER TANK MANUFACTURING, S/N: 86605, NATIONAL BOARD #360, WITH A MAXIMUM OF 6 NOZZLES ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES	None	N/A	N/A	0	0	0	15
APCD2009-PTO-900382	PORTABLE ABRASIVE BLAST MACHINE (CAPACITY-40 TONS): KEY HOUSTON, S/N T-40-62, S/N 98950, NATIONAL BOARD #1301, ID # CMSD S/B #2; WITH A MAXIMUM OF 10 NOZZLES ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE	None	N/A	N/A	0	0	500	6
APCD2009-PTO-900443	ABRASIVE BLAST MACHINE (CAPACITY-300 POUNDS): KELCO, MODEL K-124, S/N 7616; (PORTABLE EQUIPMENT)	None	N/A	N/A	0	0	500	6
APCD2009-PTO-901285	Milling system, 330 lbs/hr cap: three (3) feed cyclones, two (2) SWECO screens two (2) model 3TH Mikropul Micromills; one (1) ribbon blender, one (1) enclosed mill, one (1) enclosed mill; two (2) baghouses; two (2) stray dust baghouses	None	N/A	N/A	0	0	1100	275
APCD2009-PTO-941148	WASTEWATER PUMP STATION #5 CONTAINING FOUR WASTEWATER PUMPS AND CONTROLLED BY ONE CARBON ADSORBER ODOR REDUCTION SYSTEM (ORS) USING APPROXIMATELY 1,500 LB. OF EITHER MIDAS OCM ACTIVATED CARBON, HYDROXIDE IMPREGNATED CARBON (KOH OR NAOH)	None	N/A	N/A	56	0	0	62
APCD2009-PTO-950721	TWO (2) ELECTROLYTIC HEXAVALENT CHROMIUM HARD PLATING TANKS,6'L X 4'W X 7'H, AND 6'L X 3'2"W X 6'2"H, EACH TANK EQUIPPED WITH POLYBALLS, USING A CHEMICAL FUME SUPPRESSANT, COLLECTION SYSTEM, MIST ELIMINATOR/HEPA FILTERS CONTROL SYSTEM	None	N/A	N/A	0	0	0	0
APCD2009-PTO-962006	PORTABLE DIESEL ENGINE: 120 HORSEPOWER 1993 DETROIT DIESEL ENGINE MODEL 471-4055G SERIAL NUMBER 4A83021 TO OPERATE A WINCH	None	N/A	N/A	8	89	12	13
APCD2009-PTO-972536	EMERGENCY ENGINE GENERATOR: 375 HORSEPOWER CATERPILLAR DIESEL ENGINE, SERIAL NUMBER 85Z04012, MODEL NUMBER 3306B DL.	DPF / DPF+SCR	14250	44250	8	89	12	13
APCD2009-PTO-972827	PORTABLE ABRASIVE BLASTING, KELCO BLAST MACHINE, MODEL 1116, S/N: 10673, 300 LBS CAPACITY, WITH A MAXIMUM OF 1 NOZZLE ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES, USING EITHER DONALDSON-TORIT	None	N/A	N/A	Grouped with other ptos	0	0	0
APCD2009-PTO-973199	TWO (2) CHROMATE CONVERSION COATING TANKS: ONE (13' X 1' X 1'D) PROCESSING ALUMINUM COMPONENTS WITH A SOLUTION CONTAINING CHROMIC ACID AND ONE (13' X1' X 1'D) PROCESSING COPPER COMPONENTS WITH A SOLUTION CONTAINING CHROMIC ACID.	None	N/A	N/A	0	0	0	0
APCD2009-PTO-973537	AUTOMOTIVE REFINISHING OPERATION: TWO (2) CUSTOM-BUILT PAINT SPRAY BOOTH, 28' X 14.5 X 9.5, EQUIPPED WITH AIR-DRYING, EXHAUST FILTERS AND EXHAUST FAN, USING HVLP SPRAY GUNS TO APPLY BACT COMPLIANT AUTOMOTIVE COATINGS AND SOLVENTS	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2009-PTO-974277	METAL PARTS/PRODUCTS COATING OPERATION: ONE M H INDUSTRIAL MODEL 8-8-8 0F OPEN-FACED PAINT SPRAY BOOTH, 10' L X 10' W X 8' H,	Low/zero VOC Content Coatings, RTO	500	100000	796	0	0	484

	EQUIPPED WITH EXHAUST FAN (10,290 CFM) AND EXHAUST FILTERS USING HVLP SPRAY GUNS TO APPLY RULE 67.3 COMPLIANT COATINGS							
APCD2009-PTO-979353	AN ABRASIVE BLAST CABINET: VIKING CABINET- BLAST MACHINE, MODEL GC111, S/N 34641, VIKING DUST COLLECTOR BAGHOUSE, MODEL 9DC, CONSISTING OF 9 FILTER BAGS	None	N/A	N/A	0	0	500	6
APCD2009-PTO-979624	BULK HANDLING RAILCAR AND TRUCK UNLOADING SYSTEM, AND SHIP LOADING SYSTEM, CONSISTING OF: ONE (1) RAIL CAR/TRUCK UNLOADING STATION; TWELVE (12) CONCRETE STORAGE SILOS (EACH 30'D X 100 HT); TWO (2) STEEL STORAGE SILOS (EACH 72'DX66' HT)	None	N/A	N/A	0	0	0	3375
APCD2009-PTO-983923	EMERGENCY ENGINE: DETROIT DIESEL, MODEL 12V2000-G43 / R123-7M36, 985 BHP, S/N 5352004550, TURBOCHARGED, INTERCOOLED, MODEL YEAR 2005, EPA FAMILY NO. 5DDXL35.8GRP.	DPF / DPF+SCR	37430	116230	8	89	12	13
APCD2009-PTO-984863	PORTABLE ABRASIVE BLAST UNIT: MAKE- BLASTRAC N.AMODEL- E4800 - S/N 23010019WITH MATERIAL CELLULOSE CARTRIDGE FILTERS(984863-CCN-11/06)	None	N/A	N/A	0	0	500	6
APCD2009-PTO-985160	ADHESIVE MATERIALS APPLICATION OPERATION: CONDUCTED AT NASSCO AND VARIOUS SHIPS BERTHED AT NASSCO, USING TROWELS AND OTHER NON-MECHANICAL HAND APPLICATION METHODS TO APPLY RULE 67.21 COMPLIANT-ADHESIVE MATERIALS.	Low/zero VOC Content Adhesives, RTO	500	100000	300	0	0	286
APCD2009-PTO-985388	BOILER. MAKE: BRYAN BOILER LLC, MODEL RV700S-150FDG-LX, CAPACITY: 7 MILLION BTU/HR, SERIAL NO.: 95547. BURNER: LO-NOX MAKE GORDON PIATT, MODEL LNS12.1 ASSOCIATED WITH NATURAL GAS METER, AMERICAN METER, S/N 575568. BOILER BURNS NATURAL GAS ONLY, USED	Low NOx burner	500000	500000	100	100	0	12
APCD2009-PTO-985389	BOILER. MAKE: BRYAN BOILER LLC. MODEL RV700S-150FDG-LX, CAPACITY: 7 MILLION BTU/HR, SERIAL NO.: 95549. BURNER LO-NOX, MAKE GORDON PIATT, MODEL LNS12.1 ASSOCIATED WITH NATURAL GAS METER, AMERICAN METER S/N 674013. BOILER BURNS NATURAL GAS ONLY	Low NOx burner	500000	500000	100	100	0	12
APCD2009-PTO-985391	BOILER, HOT WATER, LOW PRESSURE. MAKE: BRYAN BOILER LLC, M/N: RV800W-FDG-LX, S/N 95541. HEAT INPUT CAPACITY: 8 MMBTU/HR. BURNER, LO-NOX, MAKE JOHNZINK, MODEL LNS14.9-G-30. ASSOCIATED WITH GAS METER, AMERICAN METER S/N 575570 BOILER BURNS NATURAL GAS	Low NOx burner	500000	500000	100	100	0	12
APCD2009-PTO-985835	MARINE COATING OPERATION (PORTABLE): CONDUCTED ON EXTERIOR & INTERIOR OF MARINE VESSELS, USING BRUSHES AND ROLLERS TO APPLY RULE 67.18-COMPLIANT MARINE COATINGS AND SOLVENTS.	Low/zero VOC Content Coatings, RTO	500	100000	2600	0	0	526
APCD2009-PTO-986209	EMERGENCY DIESEL ENGINE: CUMMINS QST30-G5NR2, S/N: 37232925, 1490 HP, TIER 2 CERTIFIED OF FAMILY # 8CEXL030.AAD, AFTERCOOLED, TURBOCHARGED, DRIVING A 1000 KW BACKUP GENERATOR.	DPF / DPF+SCR	56620	175820	8	89	12	13
APCD2009-PTO-986282	FIBERGLASS MACHINING OPERATION: VARIOUS HAND AND MOTOR TOOLS; PLASTIC SHROUDING OF THE ADJUSTABLE WORK AREA; WITH TORIT DONALDSON DUST COLLECTOR MODEL DFO-1-1, S/N 2230857; PORTABLE VACUUM CLEANER	None	N/A	N/A	0	0	0	0
APCD2009-PTO-986405	EMERGENCY ENGINE GENERATOR, VOLVO DIESEL ENGINE, MODEL TWD1643GE, 903 HP, MODEL 2007, EPA TIER 2, ENGINE FAMILY NUMBER 7VPXL16.1ACB, S/N D16020020C3 A TURBOCHARGED AND AFTERCOOLED, DRIVING A 600 KW GENERATOR.	DPF / DPF+SCR	34314	106554	8	89	12	13
APCD2009-PTO-986493	Abrasive blast booth, custom made, 24 ft long x 12 ft wide x 10 ft high, for Clemco Industries blast pot, Model 2452, S/N 13754-1990, Capacity 600; 12,000 CFM dust collecting system, Make Universal Equipment Factory Company Inc., Model DC 5000	None	N/A	N/A	0	0	500	6
APCD2009-PTO-986509	MOBILE VEHICLE AND/OR MOBILE EQUIPMENT REFINISHING OPERATION: CONSISTING OF THREE (3) PAINT SPRAY BOOTHS: MANUFACTURER: GARMAT USA TWO(2) MODEL: 3000 SIZE: 31'6"L X 13'6"W X 9'H ONE (1) MODEL: 10580 - TRIPLE SIZE: 24'L X 35'5"W X 10'8"H	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2009-PTO-987656	Registration of portable confined abrasive blasting Atlantic Designs Inc., Model: T-28, SN: 97231, Capacity: 2200 lbs/hr, Dust Control Equipment: 1) Mfgr: Industrial Vacuum 20K CFM, Model: 42-HF-33SE, Filters: 42 @ 99.7 efficiency, S/N: DC-A8178-012)	None	N/A	N/A	0	0	500	6

APCD2009-PTO-987657	Registration of portable confined abrasive blasting Industrial Marine, Model: T-28, SN: C-316, Capacity: 2200 lbs/hr, Uses steel grit, coal slag, copper slag, and garnet with one of the listed dust collectors: 1) Mfgr: Industrial Vacuum 20K CFM, Model	None	N/A	N/A	0	0	500	6
APCD2009-PTO-987694	PORTABLE ABRASIVE BLASTING MACHINE: MAKE: KEY INDUSTRIES, MODEL: T 40, S/N: T40-10, CAPACITY: 250 LBS/HR, WITH A MAXIMUM OF 8 NOZZLES ATTACHED, WITH OPTIONAL DUST COLLECTOR MAKE: DONALDSON-TORIT "DOWNFLO DFT" OR "POWERCORE CP" SERIES	None	N/A	N/A	0	0	500	6
APCD2009-PTO-987726	EMERGENCY STANDBY DIESEL ENGINE: JOHN DEERE, MODEL: 4024HF285B, S/N:PE4024L010188, 80 BHP, TIER 3 CERTIFIED OF FAMILY #: 8JDXL03.0113, MODEL YEAR: 2008, TURBOCHARGED, DRIVING A 50 KW KOHLER GENERATOR	DPF / DPF+SCR	3040	9440	8	89	12	13
APCD2009-PTO-987792	Registration of Portable Confined Abrasive Blasting: SCHMIDT, Model 120, S/N H114; 2200 lb/hr. using steel shot, copper slag, coal slag, and Garnet Dust Collectors (99% efficiency filters): 1) Model: 10K CFM, S/N: DC-10K-054, 2) Model: 48HF 33SE	None	N/A	N/A	0	0	500	6
APCD2010-PTO-000399	Plasma cutter Avenger 3.7, Model Avenger 3 VIS 55, S/N 0560944988, with a downdraft table vented to 18,000 cfm dust collector, Make Donaldson Torit, Model DFO3-60, S/N 2414567-1, with HEPA filters.	None	N/A	N/A	0	677	0	0
APCD2010-PTO-000415	Registration of Portable confined Abrasive Blasting Goff, Model, 420E, S/N: 92429-50-3527, Capacity: 25 lbs/hr, equipped with CX/TDC media filter 99.9% efficiency.	None	N/A	N/A	0	0	500	6
APCD2010-PTO-000446	Registration of Portable Diesel Engine Make: Perkins Model: PJ38439S/N: U0155618Model Year: 2008Engine Family#: 8PKXL06.6PJ2HP:	DPF	9000	9000	8	89	12	13
APCD2010-PTO-000450	Registration of Portable Diesel Engine, Make Perkins, Model PJ38587, S/N: U020032T, 124 BHP, Model Year 2009, Tier 3, Engine Family#: 9PKXL06.6PJ1Original App# APCD2009-CER-000148Modification APP# APCD2014-CER-000474	DPF	9000	9000	8	89	12	13
APCD2010-PTO-000469	Portable Confined Abrasive Blasting Registration Key, Model: 40T, S/N: T40-10-2, Capacity: 40 tons/hr Dust Collector: CX filter Media, 8000 cfm, with 99% efficiency	None	N/A	N/A	0	0	500	6
APCD2010-PTO-000498	Registration of Portable confined Abrasive Blasting Goff, Model, 420E, S/N: 92429-50-3525, Capacity: 25 lbs/hr, equipped with CX/TDC media filter 99.9% efficiency.	None	N/A	N/A	0	0	500	6
APCD2010-PTO-000509	Registration of Portable Diesel Engine Cummins, Model: QSB6.7, S/N: 73052087, 160 hp, Model Year: 2010Engine Family#: ACEXL0409AAC, Tier: 3	DPF	9000	9000	8	89	12	13
APCD2010-PTO-000550	Emergency Engine: John Deere, Model 6068HF485, 315 BHP, diesel fired, turbocharged, S/N PE6068L062917, Tier 3 Certified, Engine Family No. 8JDXL06.8101.	DPF / DPF+SCR	11970	37170	1	9	0	0
APCD2010-PTO-000603	Portable marine coating operation: conducted shipboard with shrink wrap enclosures using brushes, rollers and other manually held, non-mechanically operated application equipment to apply coatings to surfaces which will be exposed to marine environment	Low/zero VOC Content Coatings, RTO	500	100000	92	0	0	1010
APCD2010-PTO-000645	Portable adhesive materials application operation consisting of hand application techniques including but not limited to caulking guns, dip cans, and brushes.	Low/zero VOC Content Adhesives, RTO	500	100000	2983	0	0	299099
APCD2010-PTO-000658	Fiberglass reinforced plastic machining booth (Booth A) with dimensions 40 ft long, 8 ft wide, and 8 ft high, using various hand machining tools including but not limited to: Dewalt drill, Model: DC930, S/N: 925285; Porter Cable router, Model: 75192,	None	N/A	N/A	0	0	0	0
APCD2010-PTO-000659	Fiberglass reinforced plastic machining booth (Booth B) with dimensions 23 ft long, 10 ft wide, and 8 ft high, using various hand machining tools including but not limited to: Dewalt drill, Model: DC930, S/N: 925285; Porter Cable router, Model: 75192	None	N/A	N/A	0	0	0	0
APCD2010-PTO-000683	Emergency Engine Generator: Volvo Diesel Engine, Model TWD1643GE, rated at 904 bhp, S/N D16*032843*03*A, Model Year 2008, EPA Tier 3 Certified Engine, Family Number 8VPXL16.1ACW, turbocharged and aftercooled, driving a 600 KW electrical generator.	DPF / DPF+SCR	34352	106672	8	89	12	13
APCD2010-PTO-000695	Portable Abrasive Blasting Unit: Blastrac, Model 350E, S/N 5-SBSB.	None	N/A	N/A	0	0	500	6

APCD2010-PTO-000696	Portable Abrasive Blasting Unit: GOFF, Model 420E, S/N 1-SBSB.	None	N/A	N/A	0	0	500	6
APCD2011-PTO-000735	Registration of Portable Diesel engine2010 Perkins, Model: PJ38587, S/N: U024855U, 160 Hp, Engine Family #: APKXL06.6PJ1, Tier 3, Turbocharged	DPF	9000	9000	8	89	12	13
APCD2011-PTO-000755	Registration of unconfined Abrasive Blast Unit Forcast Sales, Model: 160 cu.ft, S/N: 1130, One (1) 3/8" nozzle size, 150 psi, Abrasive used: Copper Slag.	None	N/A	N/A	0	0	500	6
APCD2011-PTO-000756	Registration of Portable Diesel Engine2011 John Deere, Model: 606HF485, S/N: PE6068L123185, 255 hp, Engine Family#: AJDXL06.8115, Tier: 3, Driven by an Industrial Vacuum.	None	N/A	N/A	8	89	12	13
APCD2011-PTO-000774	Registration of Portable Diesel Engine2010 John Deere, Mode: 4045 HF 285, S/N: PE4045L138233, 125 hp, Turbocharged, Engine Family#: AJDXL06.8117, Tier 3, Driven a water pump Original	None	N/A	N/A	8	89	12	13
APCD2011-PTO-000777	One wood coating application station: One (1) Bleeker Brothers Model SPF 10-12-10 spray booth, 12 feet long x 10 feet wide x 12 feet high with a 13,180 cfm exhaust fan and filters; coatings applied to wood components.	Low/zero VOC Content Coatings, RTO	500	100000	622	0	0	182
APCD2011-PTO-000790	Registration of Portable Confined Abrasive Blasting: The Gaskell Co, Model 250 cu.ft, S/N: 154-82-2, used with size 7 nozzle @ 100 psi Abrasive used: Aluminum oxide, black beauty, garnet, glass beads, mineral slag, plastic shot, sand, silicon carbide,	None	N/A	N/A	0	0	500	6
APCD2011-PTO-000801	Emergency engine generator: Detroit Diesel engine, Model 6DD4408E08, rated at 685 bhp, vertical exhaust stack, s/n 06R1010147, Model Year 2008, turbocharged and aftercooled, Tier 3 certified, Engine Family No. 8DDXL14.OVLD, driving a 355 kw generator	DPF / DPF+SCR	26030	80830	8	89	12	13
APCD2011-PTO-000802	Blast Cell #1: Custom made; vented to four baghouses, Donaldson Torit, Model Downflo II DFT 4-112, 90,000 cfm capacity each, S/N 2627337-1, 3, 5, 6; with an auto dump bucket elevator system for recycling used and fresh abrasive, vented to a baghouse	None	N/A	N/A	0	0	0	0
APCD2011-PTO-000803	Blast Cell #2: custom made; vented to four baghouses, Donaldson Torit, Model Downflo II DFT 4-112, 90,000 cfm capacity each, S/N 2627337-4, 7, 8, 9; with an auto dump bucket elevator system for recycling used and fresh abrasive, vented to a baghouse	None	N/A	N/A	0	0	0	0
APCD2011-PTO-000818	Registration of Portable Diesel Engine2011 John Deere, Model: 4045HF, S/N: PE4045L150659, 125 hp, Engine Family #: BJDXL06.8117, Tier: 3, Used for pumping water/Hydroblasting.	None	N/A	N/A	8	89	12	13
APCD2011-PTO-000872	Abrasive Blasting Equipment: An abrasive material pressure tank, 28 ton capacity, Model BP-8T28, S/N BP-85, loaded from a 65 ft storage hopper, using steel grit abrasive, equipped with 10 nozzles, an electric 750 cfm compressor; vented to a Hawkins d	None	N/A	N/A	NA	NA	NA	NA
APCD2011-PTO-000878	Marine and metal coating operation consisting of: Paint Cell #1: a custom built enclosed cell 100'L X 80'W X 65'H, equipped with: regenerative thermal oxidizer, Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator	None	N/A	N/A	1044	0	0	493
APCD2011-PTO-000895	Portable marine coating operation conducted indoors and outdoors consisting of: Brushes, rollers, paint spray guns for applying marine coatings on boats and structures intended for exposure to marine environment.	Low/zero VOC Content Materials, RTO	500	100000	3650	0	0	419
APCD2011-PTO-000957	Burn-out oven, Make Pollution Control Products Co, Model VPI333, S/N 6010, consists of two chambers rated at 390,000 BTU/hr each, maximum total natural gas capacity 950 scf/hr, first chamber is equipped with ON-OFF temperature control, second chamber	Low NOx burner	50000	50000	60	60	30	65
APCD2011-PTO-001040	A marine coating operation consisting of brushes and rollers to apply Rule 67.18 compliant coatings to vessels and structures intended for exposure to a marine environment.	Low/zero VOC Content Coatings, RTO	500	100000	0	0	0	0
APCD2011-PTO-001042	One (1) Remote Reservoir Cleaner Manufacturer: Clarus Technologies, LLC Model: PCS 25Internal Size: 48" L X 24" W X 11" H	Low/zero VOC Content Solvents, RTO	500	100000	3600	0	0	0
APCD2011-PTO-001044	Registration of Portable Unheated Pavement Crushing/Recycling Coneqtec Universal Cold Planer, Model: AP450HD, S/N: C11581, Length:	None	N/A	N/A	0	0	158	375

	3', Width: 3', Emission Control: water. This registration does not include an engine.							
APCD2011-PTO-001047	Marine and metal coating operation consisting of: Paint Cell #2: a custom built enclosed cell 100'L X 80'W X 65'H;Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO;	None	N/A	N/A	909	0	0	428
APCD2011-PTO-001048	Marine and metal coating operation consisting of: Paint Cell #3: a custom built enclosed cell 100'L X 80'W X 65'H;Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO;	None	N/A	N/A	1372	0	0	628
APCD2011-PTO-001049	Marine and metal coating operation consisting of: Paint Cell #4: a custom built enclosed cell 100'L X 80'W X 65'H; Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO	None	N/A	N/A	705	0	0	319
APCD2011-PTO-001050	Marine and metal coating operation consisting of: Spray booth: Paint Cell #5: a custom built enclosed cell 100'L X 74'W X 65'H; Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model	None	N/A	N/A	119	0	0	56
APCD2011-PTO-001069	Registration of Portable Confined Abrasive Blasting Equipment Advanced Recycling Systems, Model: ARIES Super Unit, S/N: 1295C4932BM310274, Abrasive Used: Granet Sponge, Copper Slag, and Coal Slag, Control Equipment: Hawkins 20 kcfm Dust Control	None	N/A	N/A	0	0	500	6
APCD2012-PTO-001129	Marine coating operation consisting of: One (1) enclosed negatively ventilated spray booth equipped with filters: Manufacturer: Sprayline Model: SL-ISB-161616Dimensions: 16'L X 16'W X 16'HExhaust flow rate: 28,400 cfm Stack Diameter: 42"	Low/zero VOC Content Coatings, RTO	500	100000	3150	0	0	896
APCD2012-PTO-001145	Optical lens coating process: Lenses are cleaned and stripped in a process shared with APCD2012-PTO-001229, consisting of the following equipment: one enclosed Crest ultrasonic, heated, immersion lens surface preparation tank (model C0C5 2218)	Low/zero VOC Content Coatings, RTO	500	100000	2700	0	0	150
APCD2012-PTO-001194	Stationary Emergency Diesel Engine: Detroit Diesel / Series 60 - 6063HV35, S/N: 06R1040748, 685 hp, Tier 3 certified of Family #ADDXL14.0VLD, turbocharged, aftercooled, driving an emergency generator.				107	107		54
APCD2012-PTO-001211	Emergency Diesel Fire Pump Engine: John Deere; model 4045HFC28A,B,C,D; serial number PE4045L153432; Engine Family BJDXL06.8105; 113 bhp rated; turbocharged with charge air cooler; driving a 1500 gpm water pump	DPF / DPF+SCR	4294	13334	8	89	12	13
APCD2012-PTO-001229	Optical lens coating process: Lenses are cleaned and stripped in a process shared with APCD2012-PTO-001145, consisting of the following equipment: one enclosed Crest ultrasonic, heated, immersion lens surface preparation tank (model C0C5 2218)	Low/zero VOC Content Coatings, RTO	500	100000	2700	0	0	150
APCD2012-PTO-001333	Portable confined abrasive blasting Schmidt, Model: T-22, S/N: BP-8-095, number of nozzles: 8, diameter: 7/16", Pressure: 90 psig, Dust Collector: U.S. Filtration, Inc. Industrial Vacuum, with ultra-web cartridges or any 99% efficient filter.	None	N/A	N/A	0	0	500	6
APCD2012-PTO-001349	Remote Reservoir Cleaner Manufacturer: Clarus Technologies Model: PCS-25Serial Number: 003160 Wash Basin Dimensions: 48" L X 28" W X 11" H	Low/zero VOC Content Solvents, RTO	500	100000	3600	0	0	0
APCD2012-PTO-001382	Registration of Portable Diesel Engine2012 Perkins, Turbocharged, 124 HP, Model: 1204E-E44TA, S/N: U000399W, Engine Family #: CPKXL04.4MK1, Tier: Interim 4, Driving a Hydroblast Equipment Original	DPF	9000	9000	8	89	12	13
APCD2012-PTO-001393	Registration of confined Abrasive Blasting Sponge-Jet, Model: 400LHP, S/N: 52579, Max. Abrasive Blast: 480 lbs/Hr, Nozzle Diameter: 1/2", 115 PSI, Abrasive used: Sponge, Dust collector: 1) QC250 electric Vacuum, S/N: HS800EM-1028 with 99% efficiency,	None	N/A	N/A	0	0	500	6
APCD2012-PTO-001394	Registration of confined Abrasive Blasting Sponge-Jet, Model: 400LHP, S/N: 52581, Max. Abrasive Blast: 480 lbs/Hr, Nozzle Diameter: 1/2", 115 PSI, Abrasive used: Sponge, Dust collector: 1) QC250 electric Vacuum, S/N: HS800EM-1028 with 99% efficiency,	None	N/A	N/A	0	0	500	6

APCD2012-PTO-001395	Registration of confined Abrasive Blasting Sponge-Jet, Model: 400LHP, S/N: 52582, Max. Abrasive Blast: 480 lbs/Hr, Nozzle Diameter: 1/2", 115 PSI, Abrasive used: Sponge, Dust collector: 1) QC250 electric Vacuum, S/N: HS800EM-1028 with 99% efficiency,	None	N/A	N/A	0	0	500	6
APCD2012-PTO-001401	Metal Coating Operation	Low/zero VOC Content Coatings, RTO	500	100000	222	0	0	1
APCD2012-PTO-001403	Stationary Emergency Diesel Engine: John Deere; Model 6068TF220; Serial Number PE6068T228680; 210 bhp; Model Year 2003; EPA Certified for Fire Pump Use Only, Tier 2; Powering a 1500 gpm Fire Pump	DPF / DPF+SCR	7980	24780	8	89	12	13
APCD2012-PTO-001419	Wood coating and adhesive application operation conducted outdoors.	Lower/zero VOC Coatings and Adhesives, RTO	500	100000	2460	0	0	200
APCD2012-PTO-001427	Emergency Diesel Engine Generator: Caterpillar; model 3516C; serial number MHB00487; Engine Family ACPXL78.1T2X; tier 2 certified; 2722 bhp rated; turbocharged with charge air cooler; driving a 2000 kW generator. Pump station 1, west unit.	DPF / DPF+SCR	103436	321196	8	89	12	13
APCD2012-PTO-001428	Emergency Diesel Engine Generator: Caterpillar; model 3516C; serial number MHB00505; Engine Family ACPXL78.1T2X; tier 2 certified; 2722 bhp rated; turbocharged with charge air cooler; driving a 2000 kW generator. Pump station 1, east unit.	DPF / DPF+SCR	103436	321196	8	89	12	13
APCD2013-PTO-001445	Petroleum-based solvent dry cleaning operation consisting of: One (1) closed loop dry to dry cleaning machine, equipped with cartridge filters, spin disk filters, integral refrigerated condenser and solvent distillation system.	None	N/A	N/A	3600	0	0	0
APCD2013-PTO-001447	Registration of Portable Confined Abrasive Blasting CLEMCO, Model: 2452, S/N: 31877, Max abrasive flow Rate: 90 PSI, # of Nozzles: 1, Nozzle Diameter: 7/16", Control Equipment: Industrial Vacuum, Model: DC 12000 ES, S/N: DCS-10031, or with any filter	None	N/A	N/A	0	0	500	6
APCD2013-PTO-001450	Prime diesel engine ATCM portable : John Deere diesel engine, Model 4045HF285 (S/N PE4045L219), rated at 140 BHP, Model Year 2012 EPA Tier 3 certified of Engine Family Number BJDXL06.8117, Flex Engine, driving a 375 CFM compressor. Equipped with turbocharger and aftercooler.	DPF / DPF+SCR	4294	13334	0	1	0	0
APCD2013-PTO-001570	Registration of confined Abrasive Blasting Sponge-Jet, Model: 400LHP, S/N: 52581, Max. Abrasive Blast: 480 lbs/Hr, Nozzle Diameter: 1/2", 115 PSI, Abrasive used: Sponge, Dust collector: 1) QC250 electric Vacuum, S/N: HS800EM-1028 with 99% efficiency,	None	N/A	N/A	0	0	500	6
APCD2013-PTO-001583	Bio-diesel manufacturing operation consisting of: Settling tank - (2) 4,000 gallon WVO storage tank - (2) 22,000 gallon Reactor tank - (3) 500 gallon, (3) 1,600 gallon, and (3) 5,600 gallon Glycerin storage tank - (1) 22,000 gallon Bio-diesel storage tank	None	N/A	N/A	3650	0	0	640
APCD2013-PTO-001615	Vacuum blasting system with abrasive recycle. Rapid-Prep Model VB-1200 (S/N: 23264), consisting of 16 cubic feet blast pot, storage hopper and vacuum system, equipped with two (2) shrouded nozzles, maximum nozzle pressure of 90 psi and maximum nozzle	None	N/A	N/A	0	0	0	0
APCD2013-PTO-001617	Vacuum blasting system with abrasive recycle. Rapid-Prep Model VB-1200 (S/N: 23265), consisting of 16 cubic feet blast pot, storage hopper and vacuum system , equipped with two (2) shrouded nozzles, maximum nozzle pressure of 90 psi and maximum nozzle	None	N/A	N/A	0	0	0	0
APCD2013-PTO-001647	Portable diesel engine, Cummins Model QSL9 (S/N: 73524323), 260 BHP, Model Year 2013, EPA certified Tier 4i offroad, engine family DCEXL08.9AAH. Equipped with an OEM diesel particulate filter and diesel oxidation catalyst. Powering a heavy lift crane	None	N/A	N/A	0	8	0	0
APCD2013-PTO-001652	Emergency Diesel Engine Generator: Cummins; model QSK50-G4 NR2; serial number 25371050; Engine Family BCEXL050.AAD; tier 2 certified; 2220 bhp rated; turbocharged with charge air cooler; equipped with a Johnson Matthey passive, catalyzed DPF, model C	SCR	222000	222000	8	89	12	13
APCD2013-PTO-001729	Registration of Portable Confined Abrasive Blasting Pitate Brand, Model 160CF, S/N 1130, Four (4) 3/8" nozzle size, 150 psi, Abrasive use: Copper Slag, Grit, Sand, Sponge, Garnet, Aluminum Oxide, Emission Control: with any filter with 99% efficiency.	None	N/A	N/A	0	0	500	6

APCD2014-PTO-001908	Prime Diesel Engine: Cummins model QSX15-C550, S/N 79041228. 510 bhp rated, drives a 1300 cfm compressor. Engine family 4CEXL015.AAA, tier 2 certified. Turbocharged with charge air cooler. ATCM portable.	DPF / DPF+SCR	19380	140000	33	1824	22	83
APCD2014-PTO-001917	a perchloroethylene solvent soil vapor extraction system consisting of multiple vapor collection wells vented to a hydrocarbon collection system consisting of, but not limited to, two (2000 lbs.) carbon adsorption canisters, a liquid knockout pot	None	N/A	N/A	0	0	0	3
APCD2014-PTO-001941	Emergency standby engine: John Deere diesel engine, Model 6068HF275 (S/N: PE6068H362584), rated at 220 BHP, Model Year 2004, EPA Tier 2 certified of Engine Family Number 4JDXL06.8038, driving a 135 KW generator. Equipped with turbocharger	DPF / DPF+SCR	8360	25960	8	89	12	13
APCD2014-PTO-001980	Grain Silo; Stores barely for brewing beer; 25 Tons capacity; pneumatic loading; bag filter Original App# APCD2013-APP-002475	None	N/A	N/A	0	0	0	0
APCD2014-PTO-002011	Registration of Confined Abrasive Blasting Schmidt, Model 160C.F., S/N 72L-394, 150 PSI, 4 Nozzles, 7/16" Nozzle Diameter, Dust collector QX Filter Media or with any 99% efficiency Filter.	None	N/A	N/A	0	0	500	6
APCD2014-PTO-002013	Registration of Portable Confined Abrasive Blasting Schmidt, Model 28 ton superbulk, S/N 1004-28-T-P-1, Number of nozzles 6, Diameter 3/4", 150 PSI, Emission Control Dust collector Donaldson Model DFO2-12 with Clark filter Model NF20321,or with any 99	None	N/A	N/A	0	0	500	6
APCD2014-PTO-002014	Registration of Portable Confined Abrasive Blasting Schmidt, Model 40 ton superbulk, S/N 1003-40-T-P-1, Number of nozzles 8, Diameter 3/4", 150 PSI, Emission Control Dust collector Donaldson Model DFO2-12 with Clark filter Model NF20321 or with any 99	None	N/A	N/A	0	0	500	6
APCD2014-PTO-002019	A fuel ethanol storage tank (Storage Tank No.17) consisting of: An internal reverse slope pontoon floating roof ;rim seal system consisting of: primary seal: mechanical shoe; equipped with a continuous, honeycomb baffle under the primary seal; secondary	None	N/A	N/A	400	0	0	80
APCD2014-PTO-002187	Emergency Diesel Engine: Cummins, Model QSB5-G3-NR3, 145 BHP, turbocharged, aftercooled, S/N 73594110, Model Year 2013, Tier 3 Certified, Engine Family No. DCEXL0275AAG.	DPF / DPF+SCR	5510	17110	8	89	12	13
APCD2014-PTO-002213	Registration of Portable confined Blasting Schmidt, Model 50 Ton Superbulk, S/N T50A-1, Pressure150 psi, No. of Nozzle 8, Diameter ¾." Abrasives used Copper Slag, Control equipment: any 99% efficiency filter.	None	N/A	N/A	0	0	500	6
APCD2015-PTO-002253	Registration of Cold Planer BOBCAT, 18" PLANER, S/N AKS202477, Length 47.5", Width 66.4", Rating <150 Tons/Hr.	None	N/A	N/A	0	0	0	375
APCD2015-PTO-002281	Gasoline Dispensing Facility (Non-Retail): Phase II: exempt per District Rule 61.4 (b)(5);Nozzles: EVR Phase II, per ARB Advisory 408; Phase I EVR: Two point Morrison Brothers per ARB E.O. VR-402-B;Standing Loss EVR: per ARB E.O. VR-302-F	None	N/A	N/A	200	0	0	20
APCD2015-PTO-002319	One soil vapor extraction system consisting of a natural gas fired thermal/catalytic oxidizer, soil vapor extraction wells, one (1) electric powered blower with a maximum flow rate capacity of 400 acfm and associated liquid/vapor separator, valves	None	N/A	N/A	0	0	0	0
APCD2015-PTO-002351	Corn storage silo: stores corn grain for tortilla manufacturing; 25 ton capacity; pneumatic loading, screw conveyor unloading, vented to a fabric filter.	None	N/A	N/A	0	0	0	0
APCD2015-PTO-002355	Pump Station #1 consisting of two 8,300 cubic feet wet wells, six wastewater pumps each rated between 25,000 and 30,000 gpm, and an odor control system consisting of one atomizer mist scrubber with a 40 hp fan rated at 750 scfm.	None	N/A	N/A	100	0	0	98
APCD2015-PTO-002358	Emergency Engine Generator: Cummins Diesel Engine, Model QSX15-G9, rated at 755 bhp Model Year 2014, S/N 38023750, EPA Tier 2 Certified Engine, Family Number ECEXL15.0AAJ, Turbocharged and Aftercooled, driving a 400 KW Electrical Generator. Equipped	DPF / DPF+SCR	28960	89090	8	89	12	13
APCD2015-PTO-002393	Emergency Diesel Engine: Mitsubishi, Model S12R-Y2PTAW-1, 1882 BHP, turbocharged, aftercooled, S/N 15961, Model Year 2013, Tier 2 Certified, Engine Family No. DMVXL49.0BBA.003.	DPF / DPF+SCR	71516	222076	8	89	12	13
APCD2015-PTO-002412	Registration of Portable Confined Abrasive Blasting Advanced Recycling System, Model AV6, S/N 1987E58B300274, Number of Nozzles 6,	None	N/A	N/A	0	0	500	6

	Diameter 7/16" @ 90 PSI, with ARS Recycling System, Dust Collector: Industrial Vacuum QX or with any 99% efficiency filter							
APCD2015-PTO-002413	Coffee roaster: Make Loring Smart Roast, Model S35 Kestrel, S/N 001087, 308 lbs/hour roasting capacity, with 300,000 Btu/hour natural gas fired burner, built-in cyclone burner.	None	N/A	N/A	750	600	0	0
APCD2015-PTO-002467	Thermal oxidizer: Manufactured by Envent, Model/Serial No. EMECS 42-4. Equipped with a 42.4 MMBtu/hr burner, fired with natural gas or propane, with modulating temperature control system. Includes 75 hp blower for venting controlled device.	None	N/A	N/A	0	0	0	83
APCD2016-PTO-002547	Ethanol (E85) Dispensing Facility (Retail):Phase I Enhanced Vapor Recovery (EVR) system: Two-Point OPW per ARB Executive Order (E.O.) VR-102-OOne (1) 10,000 gallon E85 underground storage tank	None	N/A	N/A	250	0	0	63
APCD2016-PTO-002587	Abrasive blast room (28,600 cubic feet): 50' L x 26' W x 22' H; Emissions vented to 52,000 CFM baghouse Wheelabrator Model 120 (S/N A-132290), with polyester felt bag filters with 99.9% control efficiency; two abrasive blast pots Axxiom Model 6.5CF (S	None	N/A	N/A	0	0	500	6
APCD2016-PTO-002642	Ajax Boiler # 2, Model WRG-6300 6.3 MM BTU/hr heat input, natural gas fired, s/n 70709, equipped with an American Combustion Technologies of California, Inc Low NOx burner and an Oxygen Trim Controller and Display.	Low NOx burner	500000	500000	20	130	0	81
APCD2016-PTO-002643	Ajax Boiler #1, Model WRFG-6300, 6.3 MM BTU/hr heat input, natural gas fired, S/N 70708, equipped with an American Combustion Technology Burner and an Oxygen Trim Controller & Display. The boiler shares a fuel meter with the equipment of permit APCD2	Low NOx burner	500000	500000	0	130	0	81
APCD2016-PTO-002688	Coffee Roasting (Batch). Renegade Roaster Design Group, model 15KG, rated at 15 kg capacity, 33 lbs/batch, 132 lbs/hr, 105,000 Btu/hr; vented to cyclone and spray tower, Renegade wet scrubber model 15KWS, 30" D x 70" H, 4 spray nozzles, 60 psi or higher	None	N/A	N/A	0	30	0	0
APCD2016-PTO-002718	Registration of Portable Confined Abrasive Blasting. Blast machine Make: Schmidt, Model: 40 Ton Superbulk, S/N 1003-40-T-P-1, Number of nozzle: 8, Nozzle Diameter: 71/16", with dust collector at 99% control efficiency.	None	N/A	N/A	0	0	500	6
APCD2016-PTO-002747	John Deere Model: 6135HF485 S/N: RG6135L028029 475 HP Diesel Year: 2013 Family: AJDXL13.5900	DPF / DPF+SCR	19380	140000	13	70	2	20
APCD2017-PTO-002786	Registration of Portable Confined Abrasive Blasting. Blast machine Make: Goff, Model: 420E, S/N SB-23, with 15" diameter blast wheel at 3600 RPM, with dust collector at a minimum of 99% control efficiency	None	N/A	N/A	0	0	500	6
APCD2017-PTO-002818	Equipment Description: Optical lens coating operation (Number 3) consisting of: One (1) enclosed Crest Ultrasonic, heated, immersion lens surface preparation tank (model COC5 2218) with associated cleaning water and rinse tanks; One (1) enclosed Crest	Low/zero VOC Content Coatings, RTO	500	100000	3650	0	0	365
APCD2017-PTO-002820	Optical lens coating operation (Number 4) consisting of: One (1) SCL model CDS2000 enclosed lens coating line with three (3) surface prep dip tanks, which include three (3) cleaning tanks and four (4) water rinse tanks, one (1) primer dip tank, one (1	Low/zero VOC Content Coatings, RTO	500	100000	2752	0	0	151
APCD2017-PTO-002828	Emergency standby engine: Caterpillar engine, Model C32, S/N G3300158, rated at 1333 bhp, Model Year 2015, Marine Tier 3 certified of Engine Family Number FCPXN32.1EE3, driving a 940 KW generator. Located on a floating dry dock.	DPF / DPF+SCR	50654	157294	8	89	12	300
APCD2017-PTO-002829	Emergency standby engine (APP-004447): Caterpillar engine, Model C32, S/N G3300157, rated at 1333 bhp, Model Year 2015, Tier 3 certified of Engine Family Number FCPXN32.1EE3, driving a 940 KW generator. Located on a floating dry dock.	DPF / DPF+SCR	50654	157294	8	89	12	13
APCD2017-PTO-002864	Polyester resin operation Enclosed spray booth Dimensions: 40?x 20?x 8?Curing method: air dried Two (2) fourteen inch diameter vents Vent Height: 18ft-20ftExhaust gas flow rate: 2600 cfm Polyester Resin: SIL66BE-249ALHCatalyst: Norox MEKP-925Surface Agent	Low/zero VOC Content materials, RTO	500	100000	3600	0	0	0
APCD2017-PTO-002905	Crematory: American Crematory, Model A-200HT, rated at 450 lb capacity and limited to maximum of 150 lbs/hr, natural gas fired, S/N 071014-A, with a 750,000 btu per hour Eclipse Thermjet TJ26.0100A primary burner, a 1,000,000 btu/hr Eclipse Thermjet TJ	Mercury Scrubbing/Filtration.	600000	600000	10	1530	0	64

APCD2017-PTO-002907	One (1) Viking Model Booth Dimensions: 22ft x 14ft x 9ftEquipped with one (1) Exhaust Fan Equipped with one (1) Filter Heater Model: N/A (Air Dried)	Low/zero VOC Content Coatings, RTO	500	100000	1431	0	5	619
APCD2017-PTO-002920	Registration of Portable Confined Abrasive Blasting. Blast machine make: Advanced Recycling Systems (ARS), model: AV-6, S/N 2189E58B300312; 6 nozzles, with dust collector at a minimum of 99% control efficiency	None	N/A	N/A	0	0	500	6
APCD2017-PTO-002941	Registration of Portable Confined Abrasive Blasting. Blast machine Make: Axxiom, Model: 160 CF, S/N GLX 748, with dust collector at a minimum of 99% control efficiency	None	N/A	N/A	0	0	500	6
APCD2017-PTO-002950	Soil vapor extraction system consisting of: two (2) carbon adsorbers in series, two (2) soil vapor extraction wells, one blower (250 acfm), and all associated valves, piping, drums, fittings and controls. An 18 ft. exhaust stack with a 4 inch inside	None	N/A	N/A	0	0	0	138
APCD2017-PTO-002956	Abrasive Blast Booth, CK Model 161640BR, 49'L x 19'2"W x 17'H, S/N BR1640-3/16; with a CK Model ELE-1000 abrasive blast elevator, S/N F1602102357; and a Pirate Brand Model PB1000 blast machine, S/N 575887; vented to a CK dust collector, Model 12000D	None	N/A	N/A	0	0	500	6
APCD2018-PTO-002971	Adhesive material application operation: Conducted on marine vessels (exterior & interior surfaces) while on piers or docks at Continental Maritime of San Diego (1995 Bay Front St., San Diego, CA 92113) using only manually held	Low/zero VOC Content Adhesives, RTO	500	100000	3600	0	0	120
APCD2018-PTO-002973	Adhesive material application operation: Conducted on marine vessels (exterior & interior surfaces) while on piers or docks at Naval Base San Diego (3455 Senn Rd., San Diego, CA 92136) using only manually held, non-mechanically operation equipment	Low/zero VOC Content Adhesives, RTO	500	100000	3600	0	0	120
APCD2018-PTO-002986	Facility-wide solvent wipe cleaning operation. Solvents being used: Bio T Max, P-D-680B	RTO	200000	200000	8500	0	0	0
APCD2018-PTO-003004	Emergency standby engine: John Deere diesel engine, Model 6135HFG75, S/N: RG6135G007896 rated at 755 bhp, Model Year 2016, Tier 3 certified of Engine Family Number GJDXL13.5132, driving a 500 KW generator.	DPF / DPF+SCR	28690	89090	8	89	12	13
APCD2018-PTO-003011	Emergency Diesel Engine Generator: Detroit Diesel / MTU, Model 16V2000G85 R163-8A37, 1495 BHP, S/N 5362011369, Engine Family HMMDL35.8GRR, Tier 2 certified; driving a 1000-kW emergency electrical generator.	DPF / DPF+SCR	50654	157294	4	93		2
APCD2018-PTO-003020	Burn-out oven: Pollution Control Products Co. Model VPI-111S S/N 6748. Internal volume 111 cubic feet. Fired by a 250,000Btu/hr primary burner and controlled by a 16 cubic foot secondary chamber with a 500,000 Btu/hr burner.	Low NOx burner	50000	50000	52	138		24
APCD2018-PTO-003038	Registration of Portable Confined Abrasive Blasting. Blast machine Make: Clemco, Model: 2452, S/N 57200, with dust collector at a minimum of 99% control efficiency	None	N/A	N/A	0	0	500	6
APCD2018-PTO-003039	Registration of Portable Confined Abrasive Blasting. Blast machine Make: Clemco, Model: 2452, S/N 57825, with dust collector at a minimum of 99% control efficiency	None	N/A	N/A	0	0	500	6
APCD2018-PTO-003053	Registration of Portable Unconfined Abrasive Blasting. Blast machine Make: Pirate, Model: 6.5, S/N 280211.	None	N/A	N/A	0	0	500	500
APCD2018-PTO-003054	Registration of Portable Unconfined Abrasive Blasting. Blast machine Make: Goff, Model: 420E, S/N 12J73W289	None	N/A	N/A	0	0	500	500
APCD2018-PTO-003061	Portable Confined Abrasive Blasting Advanced Recycling Systems, Inc., Model: Aries-VAC-SU, s/n:798913584ST30B0089Various Dust Collectors with 99% control efficiency for PM10	None	N/A	N/A	0	0	500	500
APCD2018-PTO-003091	Emergency Diesel Engine: Mitsubishi, Model S16R-YCPTAW-1, 2346 BHP, S/N 21402, Engine Family GMVXL65.4BBA, Tier 2 certified; driving a 1600-kW electrical generator.	DPF / DPF+SCR	84360	261960	50	520		14

Appendix 7- Stationary Source Permits Located in San Ysidro / Otay Mesa Community

Permit ID	Permit Description	Enhanced Controls	Low Estimated Costs of Enhanced Controls	High Estimated Costs of Enhanced Controls	ROG	NOx	PM 2.5	Toxics
APCD2000-PTO-930929	25 MILLION GALLON PER DAY ADVANCED PRIMARY AND SECONDARY TREATMENT FACILITY CONSISTING OF: PRELIMINARY TREATMENT; PRIMARY SEDIMENTATION; SOLIDS HANDLING; AERATION; SECONDARY SEDIMENTATION; CHLORINATION EQUIPMENT; AND MISCELLANEOUS OPERATIONS	None	N/A	N/A	1606	0	0	5840
APCD2000-PTO-950851	An aerospace coating operation consisting of the following equipment :one (1) enclosed spray booth: manufacturer: Air Management Systems; model: custom; internal dimensions: 14'W X 27'L X 9'H;equipped with four stages of filters; stage one: CPA Roll	Low/zero VOC coatings, RTO	500	100000	1830	0	0	1122.23
APCD2000-PTO-961016	Water evaporator, Watermaze, 170-Gallon Capacity, natural gas fired, 1.1 MM Btu/hr, 45 cfm exhaust flow rate, equipped with a temperature indicating device, high temperature and low liquid shut-off devices.	RTO, Low NOx Burner	250000	250000	0.2	0	0	0.4
APCD2001-PTO-020739	FEED MILL: MILLER MODEL 660 HAMMERMILL GRINDER; BALE CONVEYOR; MIXER CONVEYOR; LONG CONE CYCLONE; ONE (1) BAGHOUSE SERVICES BAGHOUSE.	None	N/A	N/A				
APCD2001-PTO-950900	A 7 MILLION GALLON PER DAY WASTE WATER PUMP STATION WITH ASSOCIATED ODOR REDUCTION EQUIPMENT.	None. Equipment already has an odor control.	N/A	N/A	49.83			49.83
APCD2001-PTO-950901	A 21 MILLION GALLON PER DAY WASTEWATER PUMP STATION WITH ASSOCIATED ODOR REDUCTION EQUIPMENT.	None. Equipment already has an odor control.	N/A	N/A	149.49			149.49
APCD2001-PTO-977016	ADHESIVE MATERIALS OPERATION: ADHESIVE MATERIALS APPLICATION AREASAND ONE (1) INDUSTRIAL MFG, 5'L X 3.5'W X 6.6'H, PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FAN AND FILTERS, USING CONVENTIONAL SPRAY EQUIPMENT, HAND-SPRAY BOTTLES AND BRUSHES.	Low/zero VOC adhesives, RTO	500	100000	3840	0	0	748.53
APCD2002-PTO-006983	An aerospace composite manufacturing operation: using the following materials: a. prepreg materials containing various resin types; b. epoxy resin; c. polyamide resin; d. urethane resin; e. adhesive materials; f. mold/form release agents; g. isopropyl	Low/zero VOC materials, RTO	500	100000	860	0	0	23840.34
APCD2003-PTO-976376	EMERGENCY STANDBY ENGINE: FORD NATURAL GAS ENGINE, MODEL LSG-8751-6005-A, S/N 22634, 165 BHP, DRIVING A GENERATOR.	DPF / DPF+SCR	5130	15930	7.7	89	12	12.7
APCD2005-PTO-974161	A 15 MILLION GALLON PER DAY WATER RECLAMATION PLANT CONSISTING OF: A SCREENING ROOM (CONTROLLED); 2 AERATED GRIT REMOVAL CHAMBERS (CONTROLLED), 5 PRIMARY SEDIMENTATION BASINS (CONTROLLED); A SCUM PROCESSING ROOM (CONTROLLED), 2 FLOW EQUALIZATION TANK	None	N/A	N/A	1.75	0	0	30
APCD2005-PTO-975524	EMERGENCY ENGINE: CATERPILLAR, MODEL 3516B, DIESEL FIRED, 2876 BHP, S/N 7RN01755, DRIVING AN ELECTRIC GENERATOR.	DPF / DPF+SCR	109288	339368	7.7	89	12	12.7
APCD2005-PTO-976158	ONE (1) JOHN DEERE DIESEL EMERGENCY ENGINE GENERATOR SET MODEL 6125 H, 563 HP, TURBOCHARGED, AFTERCOOLED, S/N RG 6125H012614 DRIVING A 300 KW GENERATOR.	DPF / DPF+SCR	21394	66434	7.7	89	12	12.7
APCD2005-PTO-976374	EMERGENCY STANDBY ENGINE: CUMMINS DIESEL ENGINE, MODEL 6BT-5.9-G1, S/N 44340690, 135 BHP, DRIVING A GENERATOR.	DPF / DPF+SCR	5130	15930	7.7	89	12	12.7
APCD2005-PTO-977180	WASTEWATER EVAPORATION: CONSISTING OF ONE (1) PSI WATER SYSTEMS MODEL N33Y-18 PROPANE EVAPORATOR; ONE (1) MIDCO MODEL DS-24 HEATER UNIT, 210,000-BTU/HR; 115 GALLON CAPACITY; ONE (1) MIST ELIMINATOR; ONE (1) EXHAUST STACK AT LEAST 25 FEET FROM GROUND,	RTO, Low NOx Burner	100000	100000	2.6	0	12.9	15.5

APCD2005-PTO-980407	EMERGENCY STANDBY ENGINE: PERKINS DIESEL ENGINE, MODEL LD70295, S/N: U661388Y, RATED AT 66 BHP, DRIVING A GENERATOR. (980407-CCN-2/04) 17CCR93115SJE11/05	DPF / DPF+SCR	2508	7788	7.7	89	12	12.7
APCD2005-PTO-980946	BACKUP EMERGENCY GENERATOR: 67 BHP DIESEL FIRED ENGINE, DRIVING A GENERAC GENERATOR, MODEL 64238, S/N: W04DA28387	DPF / DPF+SCR	2546	7906	7.7	89	12	12.7
APCD2005-PTO-981124	EMERGENCY ENGINE GENERATOR, 88.9 HP OLYMPIA ENGINE, PROPANE FIRED, MODEL 96A06930-S, S/N 2032384	None	N/A	N/A	7.7	89	12	12.7
APCD2006-PTO-007265	Gasoline Dispensing Facility (Non-retail): Six (06) nozzles (1) grade per nozzle as listed in Exhibit 1 of the Phase II Executive Order specified below Phase II VRS: Healy Vacuum Assist per ARB EO VR-201-NLiquid Condensate Trap (9.9 gallon capacity)	None	N/A	N/A	994	0	0	88
APCD2006-PTO-851229	Gasoline dispensing facility: four (4) Healy 900 nozzles with three (3) grade per nozzle Phase II: Healy vacuum assist per ARB EO VR-201-GCAS configuration: vertical position per Figure 2b-2, Exhibit 2 of EO VR-201-GPhase I: two point OPW	None	N/A	N/A	994	0	0	88
APCD2006-PTO-890199	Gasoline Dispensing Facility (Retail):Twelve (12) nozzles with three (3) grades per nozzle as listed in Exhibit 1 of the Phase II Executive Order (E.O.) specified below; Phase II VRS: Healy Vacuum Assist per ARB E.O. VR-202-U;ISD System: Veeder Root	None	N/A	N/A	994	0	0	88
APCD2006-PTO-901027	Gasoline Dispensing Facility (Retail) (BACT): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-204-PISD System: Veeder-Root Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-930074	Gasoline Dispensing Facility (Retail) (BACT): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-204-HISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-930213	Gasoline Dispensing Facility (Retail): Eight (08) nozzles with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist	None	N/A	N/A	994	0	0	88
APCD2006-PTO-962182	EMERGENCY STANDBY ENGINE: CUMMINS MODEL GTA-855A, S/N 25193468, 292 BHP, LIQUID PROPANE FUELED. (962181-CCN-3/98)	None	N/A	N/A	7.7	89	12	12.7
APCD2006-PTO-971155	Wood products coating operation consisting of: one (1) Binks paint spray booth, 10 ft L x 20 ft W x 10 ft H, 24,900 cfm.	Low/zero VOC coatings, RTO	500	100000	1688	0	0	5784
APCD2006-PTO-976713	Gasoline Dispensing Facility (Retail): Sixteen (16) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-IISD System: FFS INCON Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-977025	A DRY CONCRETE BATCH PLANT, 220 CUBIC YARD, CONSISTING OF A CON-E-CO BATCHPLANT, MODEL PLP 12, TWO (2) STORAGE SILOS WITH DUST COLLECTORS; A CON-E-CO CEMENT BATCHER VENT, MODEL 22-38; A CENTRAL DUST COLLECTOR, MODEL CP SERIES 1220-167; ASSOCIATED STO	None	N/A	N/A	0	0	0	20.48
APCD2006-PTO-977593	INTERNAL COMBUSTION ENGINE AND GENERATOR SET: MAKE KOHLER, MODEL 125ROZ71 SERIAL NO. 4017289. HP RATING: 220. DIESEL FUELED. ENGINE DRIVES AN EMERGENCY GENERATOR RATED AT 125 KW. 17CCR93115	DPF / DPF+SCR	8360	25960	7.7	89	12	12.7
APCD2006-PTO-977934	Gasoline Dispensing Facility (Retail) (BACT): Four (4) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-203-QPMC System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-979038	CONCRETE BATCH AND BLOCK MANUFACTURING PLANT RATED AT 14.4 TPH: ONE HAARP MIXER MODEL 54, ONE (1) AGGREGATE STORAGE BIN, ONE (1) AGGREGATE HOPPER, ONE(1) 50 TON CEMENT STORAGE SILO, ONE (1) DIVERSIFIED STORAGE SYSTEM BAGHOUSE MODEL 350 PULSE JET, WAT	None obvious.	10000	100000	0	0	0	518
APCD2006-PTO-979101	Gasoline Dispensing Facility (Retail) (BACT): Twelve (12) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-GISD System: Veeder Root	None	N/A	N/A	994	0	0	88

APCD2006-PTO-980002	ONE (1) CONCRETE BATCH PLANT CONSISTING OF 5 UNITS: (1) AGGREGATE MATERIAL HANDLING SYSTEM, TWO (2) CEMENT/FLY ASH RECEIVING AND STORAGE SYSTEM, ONE (1) CONCRETE BATCH PLANT-SIDE A AND ONE (1) CONCRETE BATCH PLANT-SIDE B. UNIT 1: THE AGGREGATE MATER	none	N/A	N/A	0	0	0	1.98
APCD2006-PTO-981189	Gasoline Dispensing Facility (Retail) (BACT): Sixteen (16) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-204-FISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2006-PTO-981629	ONE (1) RELOCATABLE 200 CU. YD. CONCRETE BATCH PLANT, CONSISTING OF: AGGREGATE STORAGE AND FEED SYSTEM: ONE (1) DRIVE OVER HOPPER, WITH BELT CONVEYOR AND RADIAL STACKER, FOUR (4) FEED HOPPERS WITH BELT FEEDERS AND BELT CONVEYORS FOR RECLAIM, AGGREGAT	None	N/A	N/A	0	0	0	143
APCD2006-PTO-982042	A SAND AND AGGREGATE BAGGING UNIT, 10TPH, CONSISTING OF 4 CU. YD. FEED HOPPER, ONE (1) FEED BELT CONVEYOR, CDE MODEL GB BAG FILLER, ONE (1) PRODUCT BELT CONVEYOR.	None obvious. be done	10000	100000	0	0	0	17.5
APCD2006-PTO-982148	Metal Melting Furnace: Nippon Crucible Co., Model MK-200, 800 lbs. capacity, S/N MK-0-141, 800 lb holding capacity, 440 lbs/hour maximum melting rate, with 0.67 MMBtu/hour total heat input from the melting chamber and holding chamber natural gas burn	emission collection hood	20000	50000	0	0	0	865
APCD2007-PTO-920954	MARINE COATING OPERATION, CONSISTING OF; ONE (1) W. MILLER CO. PAINT SPRAY, 10'8"L X 12'4"W X 10'2"H, EQUIPPED WITH EXHAUST FAN AND FILTERS, AND ONE (1) W. MILLER CO. DRYING OVEN USING HVLP SPRAY EQUIPMENT TO APPLY COATINGS.	Low/zero VOC coatings, RTO	500	100000	3575	0	0	5826.78
APCD2007-PTO-961956	AN ADHESIVE APPLICATION OPERATION CONSISTING OF: ONE (1) ADHESIVE APPLICATION BOOTH, 14'L X 7'W X 9'H, EQUIPPED WITH AIR-DRYING, EXHAUST FAN AND FILTERS.	Low/zero VOC adhesives, RTO	500	100000	1668.8	0	0	1473.3
APCD2007-PTO-976882	ALUMINUM MELTING FURNACE: MAKE MEL-KEEPER, MODEL MK-200, MFG NO. DM-T-74, 990 LB CAPACITY, WITH 0.67 MMBTU/HR NATURAL GAS BURNER.	emission collection hood	20000	50000	0	0	0	400
APCD2007-PTO-978739	BURN OFF OVEN: POLLUTION CONTROL PRODUCTS CO., MODEL PTR-52, NATURAL GAS FIRED, 42"W X 48"D X 45"H (INSIDE DIMENSIONS) PRIMARY CHAMBER, WITH A6.5 CUBIC FOOT SECONDARY CHAMBER.(978739 ALC 04/03)(983433 ALC 12/06)	None	N/A	N/A	10.8576	16.9104	0	0.165984
APCD2007-PTO-981912	ONE (1) CONCRETE BATCH PLANT: LB. MADOLE MODEL # P62 (2) BATCH PLANT, 600 TONS PER HOUR, INCLUDING ONE (1) REX MODEL # 120DRP528 12 CU YD CENTRAL MIX DRUM, TWO (2) 14" X 12' SCREW CONVEYORS, THREE (3) 2300 CU FT CEMENT SILOS, ONE (1) 4200 CU FT CEME	None	N/A	N/A	0	0	0	38.39
APCD2007-PTO-984116	EMERGENCY DIESEL ENGINE: CUMMINS MODEL 6BT5.9-G2, S/N: 45077924, 166 HP, MODEL YEAR 1994, DRIVING AN ONAN GENERATOR (MODEL	DPF / DPF+SCR	6308	19588	7.7	89	12	12.7
APCD2008-PTO-006778	Gasoline Dispensing Facility (BACT):Twelve (12) nozzles with three (3) grades per nozzle in accordance with the Phase II Executive Order specified below Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-P ISD system: Veeder-Root software version 1.0	None	N/A	N/A	994	0	0	88
APCD2008-PTO-007323	Gasoline Dispensing Facility (Retail): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-FISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2008-PTO-030706	ONE (1) STARVED AIR INCINERATOR, MCI INC. MODEL NO. TCI-150, RATED AT 100 LBS. /HR OF TYPE O AND FOUR WASTE MATERIAL, NATURAL GAS OR PROPANE FIRED.	None	N/A	N/A	112.5	112.5	0	93.75
APCD2008-PTO-040123	Gasoline Dispensing Facility (Retail): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-204-QISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88

APCD2008-PTO-860626	Gasoline Dispensing Facility (Retail): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-CISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2008-PTO-870962	Sand Screen: Read, Model RD90, 400 tons/hr capacity, S/N	None obvious.	N/A	N/A				45
APCD2008-PTO-891181	Gasoline Dispensing Facility (Retail): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-FISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2008-PTO-900753	Gasoline Dispensing Facility (Retail): Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: VST Balance per ARB EO VR-204-HISD System: Veeder Root Software Version 1.	None	N/A	N/A	994	0	0	88
APCD2008-PTO-950430	Foam products manufacturing and application operation: conducted in a room equipped with Honeywell Inc. molds using the following materials Hypol 4000, Nanopol 700, Aquapol, UREPOL 5102H, Latex 154, UCAR 154S, and Acrygen 51185B	Low/zero VOC materials, RTO	500	100000	3280	0	0	740.5
APCD2008-PTO-961336	Gasoline Dispensing Facility (Retail): Twelve (12) nozzles, as listed in Exhibit 1 of the Phase II Executive Order specified below, with three (3) grades per nozzle Phase II VRS: Healy Vacuum Assist per ARB EO VR-202-HISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2008-PTO-972549	COLD SOLVENT CLEANER MANUFACTURER: INTERCONT MODEL: TB-1 SERIAL NUMBER: G8122022SIZE: 39.0 L X 53.0 W X 45.0 H SOLVENT:	Lower/zero VOC solvent, RTO	500	100000	110	0	0	0
APCD2008-PTO-972550	COLD SOLVENT CLEANER MANUFACTURER: INTERCONT MODEL: TB-1 SERIAL NUMBER: G8122023 SIZE: 39.0 L X 53.0 W X 45.0 H	Lower/zero VOC solvent, RTO	500	100000	110	0	0	0
APCD2008-PTO-972551	COLD SOLVENT CLEANER MANUFACTURER: INTERCONT MODEL: TB-1 SERIAL NUMBER: G8122024 SIZE: 39.0 L X 53.0 W X 45.0 H SOLVENT:	Lower/zero VOC solvent, RTO	500	100000	110	0	0	0
APCD2008-PTO-972552	COLD SOLVENT CLEANER MANUFACTURER: INTERCONT MODEL: TB-1 SERIAL NUMBER: G7069044 SIZE: 39.0 L X 53.0 W X 45.0 H SOLVENT:	Lower/zero VOC solvent, RTO	500	100000	110	0	0	0
APCD2008-PTO-972553	COLD SOLVENT CLEANER MANUFACTURER: INTERCONT MODEL: TB-1 SERIAL NUMBER: G7001045 SIZE: 39.0 L X 53.0 W X 45.0 H	Lower/zero VOC solvent, RTO	500	100000	110	0	0	0
APCD2008-PTO-973057	A commercial sterilizing facility consisting of: nine sterilizing chambers each chamber with dimensions 110"x108"x600" and each venting to an "EtO/PO" Glygen 2001 two stage ceramic diffuser using an acidic scrubbing solution	None	N/A	N/A	1878	0	0	1878
APCD2008-PTO-973506	DETROIT DIESEL ENGINE MODEL 12V-92TA, 947 BHP, S/N 12VF013585.	DPF / DPF+SCR	35986	111746	7.7	89	12	12.7
APCD2008-PTO-976502	GAS TURBINE (49.5 MW): PRATT & WHITNEY, MODEL FT-8 (DLN), TWIN-PAC (TWO SIMPLE CYCLE GAS TURBINES WITH COMMON GENERATOR AND EXHAUST), 500 MM BTU/HR TOTAL HEAT INPUT, NATURAL GAS FIRED, WITH EXHAUST AIR COOLING, A PEERLESS MANUFACTURING COMPANY	None	N/A	N/A	3455.07221	3200.00659	0	313.51239
APCD2008-PTO-976919	SOLID FILM LUBRICANT APPLICATION OPERATION: ONE (1) DIP TANK TO APPLY SOLID FILM LUBRICANT INSIDE ONE (1) JBI MODEL G1DB-88XP 9'2"L X 8'W X 8'H, OPEN FACED PAINT SPRAY BOOTH, EQUIPPED WITH EXHAUST FAN AND FILTERS AND ONE (1) DESPATCH ELECTRIC DRYING	Lower/zero VOC solvent, RTO	500	100000	267	0	0	335.2
APCD2008-PTO-978254	EMERGENCY ENGINE: ENERGY DYNAMICS, MODEL LSG8751-6007z, 134 BHP, NATURAL GAS FIRED, S/N 13380 T-08-RM, DRIVING AN ELECTRIC GENERATOR.	None	N/A	N/A	7.7	89	12	12.7
APCD2008-PTO-978579	Automotive refinishing operation consisting of an outside coating application area, using HVLP spray equipment to apply automotive coatings.	Low/zero VOC	500	100000	680	0	0	21

		coatings, RTO						
APCD2008-PTO-979283	EMERGENCY STANDBY ENGINE: DETROIT DIESEL ENGINE, MODEL 8V-92TA, S/N: 08VF175234, RATED AT 568 BHP, DRIVING A GENERATOR.	DPF / DPF+SCR	21394	66434	11.35	131.63		26.7
APCD2008-PTO-979284	EMERGENCY STANDBY ENGINE: DETROIT DIESEL ENGINE, MODEL 12V-92TA, S/N 12VF013132, RATED AT 947 BHP, DRIVING A GENERATOR. (979284-CCN-5/03) 17 CCR 93 115 SJE 8/06	DPF / DPF+SCR	35986	111746	1.92	77.18		21.6
APCD2008-PTO-979285	EMERGENCY STANDBY ENGINE: CATERPILLAR DIESEL ENGINE, MODEL 3516 DITA, S/N 4XF00668, RATED AT 2151 BHP, DRIVING A GENERATOR.	DPF / DPF+SCR	81738	253818	7.7	89	12	12.7
APCD2008-PTO-979934	Remote Reservoir Cleaner Manufacturer: Safety Kleen Model: 250Internal Size: 36 inches long X 27 inches wide X 7 inches high	Low/zero VOC solvent, RTO	500	100000	1825	0	0	0
APCD2008-PTO-981206	Solvent application and touchup operation to detach rubber parts from aerospace components (as defined by Rule 67.6.1):Solvent application (subject to Rule 67.6.1): one (1) Justrite manufacturing Co. model 27220 solvent tank, 35"L x 16'W x 23"H inter	Low/zero VOC materials, RTO	500	100000	1870	0	0	22.25
APCD2008-PTO-981207	Solvent application and touchup operation to detach rubber parts from aerospace components (as defined by Rule 67.6.1):Solvent application (subject to Rule 67.6.1): one (1) Proctoseal Co. model 1438E solvent tank, 15"L x 15"W x 15"H	Low/zero VOC materials, RTO	500	100000	750	0	0	22.25
APCD2008-PTO-981208	Solvent application and touchup operation to detach rubber parts from aerospace components (as defined by Rule 67.6.1):Solvent application (subject to Rule 67.6.1): one (1) Proctoseal Co. model 1438E solvent tank, 15"L x 15"W x 15"H	Low/zero VOC materials, RTO	500	100000	750	0	0	22.25
APCD2008-PTO-984824	Clemco Abrasive Blast Booth: 15W x 14H x 60L, Model FB1X, S/N's 49932, booth equipped with a Single Chamber Clemco Blast Machine, 6 cu.ft. pot capacity, Model 2452, operating with a 5/16" nozzle at 90 PSIG air pressure; Clemco Media Reclaimer	None	N/A	N/A	0	0	500	5.5
APCD2008-PTO-985091	Natural gas odorization system	None	N/A	N/A	5390	0	0	5390
APCD2008-PTO-985813	EMERGENCY ENGINE GENERATOR: FORD PROPANE ENGINE, MODEL LSG-8751-6005-A,94HP, S/N 02845 B-28 RG, DRIVING AND ELECTRIC GENERATOR.985813 EFH	None	N/A	N/A	7.7	89	12	12.7
APCD2008-PTO-986288	EMERGENCY STANDBY ENGINE: PERKINS ENGINE, MODEL 50DS60, S/N U709257A, RATED AT 71.5 BHP, DRIVING A 55 KW GEGERATOR. (986288-CCN-3/08)	DPF / DPF+SCR	2736	8496	7.7	89	12	12.7
APCD2009-PTO-930214	Gasoline Dispensing Facility (Retail):Eight (8) nozzles, as listed in Exhibit 1 of the Phase II Executive Order (E.O.) specified below, with three (3) grades per nozzle; Phase II VRS: Balance per ARB E.O. VR-204-P;ISD System: Veeder Root Software	None	N/A	N/A	994	0	0	88
APCD2009-PTO-971414	Gasoline Dispensing Facility (Retail) (BACT): Sixteen (16) nozzles, as listed in Exhibit 1 of the Phase II Executive Order (E.O.) specified below, with three (3) grades per nozzle; Phase II VRS: Healy Vacuum Assist per ARB E.O. VR-202-S;ISD System	None	N/A	N/A	994	0	0	88
APCD2009-PTO-976094	GAS TURBINE #100 (WEST): GENERAL ELECTRIC 45 MW NOMINALLY RATED MODEL LM 6000 PC SPRINT SIMPLE CYCLE GAS TURBINE WITH A HEAT INPUT RATING OF 395 MM BTU/HR (LHV) WHEN OPERATED ON NATURAL GAS AND 398 MM BTU/HR (LHV) WHEN OPERATED ON LIQUID FUEL, EQUIPP	None	N/A	N/A	794.796	6716.0262	0	378.12234
APCD2009-PTO-976138	GAS TURBINE #200 (EAST): GENERAL ELECTRIC 45 MW NOMINALLY RATED MODEL LM 6000 PC SPRINT SIMPLE CYCLE GAS TURBINE WITH A HEAT INPUT RATING OF 395 MM BTU/HR (LHV) WHEN OPERATED ON NATURAL GAS AND 398 MM BTU/HR (LHV) WHEN OPERATED ON LIQUID FUEL	None	N/A	N/A	854.502	6974.9724	0	406.52733
APCD2009-PTO-979935	One (1) Remote Reservoir Cleaner Manufacturer: Safety-Kleen Model: 250Internal Size: 36" L X 27" W X 7" HSolvent:	Low/zero VOC solvent, RTO	500	100000	1825	0	0	0

APCD2009-PTO-981531	ONE (1) STATIONARY ROCK CRUSHING PLANT (150 TONS/HR) CONSISTING OF: ONE (1) EAGLE IMPACT CRUSHER MODEL 62D440, S/N 11516, ONE (1) GRIZZLY FEEDER, ONE (1) DOUBLE DECK SCREEN, SIMON SCREEN, S/N F516-346H, FOUR CONVEYOR BELTS, WATER SPRAY AT TRANSFER PO	None	N/A	N/A	0	0	0	400
APCD2009-PTO-982441	CONCRETE MASONRY MANUFACTURING PLANT. CONSISTS OF: CEMENT CELL WEIGH BATCHER MIXER, HAARUP 2250L, WITH A 75 FT3 DUST COLLECTOR. MICROWAVE MOISTURE DETERMINATION. FIVE (5) BINADM AGGREGATE BINS, BDM5, SERIAL DW2-15-55. GRANUMAT COLOR CYCLONE, FCIJ3PE,	None obvious.	10000	100000	0	0	0	508.64
APCD2009-PTO-984821	Cogeneration Engine: GE Jenbacher, model JMS 320 GS-NL, 1468 bhp, and natural gas fired, s/n 5257961; vented to a selective catalytic reduction (SCR) system, manufactured by Steuler, model SCR/OXI, with an SCR catalyst and an oxidation catalyst. May use	None	N/A	N/A	1760	1800	0	440
APCD2009-PTO-985123	EMERGENCY DIESEL ENGINE: JOHN DEERE 3029TF270, S/N PE3029T375851, 64 HP, TIER 2 CERTIFIED OF FAMILY# 4JDXL02.9018, DRIVING A KOHLER 40REOZ GENERATOR. 985123-SJE-JUN07	DPF / DPF+SCR	2432	7552	7.7	89	12	12.7
APCD2009-PTO-985529	AGGREGATE TRANSFER PLANT (1000 TON/HR) CONSISTING OF A 12'X17'X10' CUSTOM HOPPER, TWO (2) COMPARTMENT OVERHEAD 60 TON CAPACITY AGGREGATE STORAGE BUNKER, ONE (1) RADIAL STACKERAND WATER SPRAY FOR TRANSFER POINT DUST CONTROL.	None obvious.	N/A	N/A				773.02
APCD2009-PTO-985671	ONE (1) ABRASIVE BLAST UNIT: GOFF INC, MODEL BT-24-1 BLAST MACHINE WITH RECYCLE SYSTEM, S/N 07391-52-7200, USING STEEL SHOT OR SLAG, WITH A FABRIC FILTER FOR DUST CONTROL (SCIENTIFIC DUST COLLECTOR MODEL 39C12, S/N 63224)	None	N/A	N/A	0	0	500	5.5
APCD2009-PTO-986927	EMERGENCY STANDBY DIESEL ENGINE: JOHN DEERE, MODEL: 6068HF285, S/N: PE6068L064542, 197 BHP, TIER 3 CERTIFIED OF FAMILY #: 8JDXL06.8104, MODEL YEAR: 2008, TURBOCHARGED, AFTERCOOLED, DRIVING A 125 KW KOHLER GENERATOR 986927/DCT/06/09	DPF / DPF+SCR	7486	23246	7.7	89	12	12.7
APCD2009-PTO-987964	COLD SOLVENT CLEANER: MANUFACTURER: SAFETY KLEEN MODEL NUMBER: PTB - 1000 INTERNAL SIZE: 18"L X 17"W X 34"H SOLVENT: SEE ATTACHMENT AA (987964/JNH/0609)	Lower/zero VOC solvent, RTO	500	100000	1830	0	0	0
APCD2009-PTO-987975	1.4 MW DIGESTER GAS FUEL CELL MFG DIRECT FUEL CELL MODEL DFC 1500 MA CERTIFIED BY CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER DG-019	None	N/A	N/A	NA	NA	NA	NA
APCD2010-PTO-000595	Emergency standby engine: Cummins diesel engine, Model 6CTAA8.3-G1, S/N 45750608, rated at 317 bhp, Model year 1998, EPA Tier 1 certified of Engine Family Number WCEXL0505ACA, turbocharged, aftercooled, driving a 200 KW generator	DPF / DPF+SCR	12046	37406	7.7	89	12	12.7
APCD2010-PTO-000632	Cold Solvent Dip Tank Manufacturer: Safety Kleen Model: PTB-1000Internal Size: 18"L x 17"W x 34"HSolvent: See Attachment AA	Lower/zero VOC solvent, RTO	500	100000	1830	0	0	0
APCD2010-PTO-000699	Metal melting furnace, Make Mel-Kepper, Model MK-300G, Mfg No. MK-0-150, 1370 lb holding capacity, 661 lbs/hour maximum melting rate, with 1.25 MMBtu/hour total heat input from the natural gas burners for the melting chamber and holding chamber.	collection hood	20000	50000	8	280	0	146.9
APCD2011-PTO-000750	Emergency Diesel Engine Generator: Cummins model QSB5-G3 NR3; serial number 73140008; Engine Family ACEXL0275AAG; Tier 3 certified; 145 bhp rated; turbocharged with charge air cooler; driving a 35 kW generator	DPF / DPF+SCR	5510	17110	7.7	89	12	12.7
APCD2011-PTO-000874	Corn silo: 12' diameter and 36' eave height; usable capacity: 2,850 ft3; Make Schick, Model Corn, S/N 08-6059; equipped with 4" fill stub, dry air stub, flange for vent filter, level indicator and 60 degree conical hopper section with 12" flange	None	N/A	N/A	0	0	0	0
APCD2011-PTO-000875	Wheat flour silo: 12' diameter, 36' eave height, usable capacity: 2,850 ft3; Make Schick, Model Flour, S/N 08-6057; equipped with fill stub, dry air stub, flange for vent, level indicator and 60 degree conical hopper section with 6" flange opening	None	N/A	N/A	0	0	0	0

APCD2011-PTO-000876	Wheat flour silo: 12' diameter, 36' eave height, usable capacity: 2,850 ft3; Make Schick, Model Flour, S/N 08-6058; equipped with fill stub, dry air stub, flange for vent, level indicator and 60 degree conical hopper section with 6" flange opening	None	N/A	N/A	0	0	0	0
APCD2011-PTO-000934	Emergency Diesel Engine Generator: Detroit Diesel; model T1638A36 16V4000 G43; serial number 5272010083; Engine Family AMDDL95.4XTR; tier 2 certified; 3057 bhp rated; turbocharged with charge air cooler; driving a 2000 kW generator	DPF / DPF+SCR	116166	360726	7.7	89	12	12.7
APCD2011-PTO-000947	Power Station #1 consisting of: one Gas Turbine (171.7 MW nominal): General Electric, Model 7FA, S/N 298093, with DLN 2.6 low-NOx burners, natural gas fired, 1767.8 MMBtu/hr nominal heat input (HHV), with a heat recovery steam generator (HRSG) with	None	N/A	N/A	6046	69408	0	7.595
APCD2011-PTO-000948	Power Station #2 consisting of: one Gas Turbine (171.7 MW nominal): General Electric, Model 7FA, S/N 298094, with DLN 2.6 low-NOx burners, natural gas fired, 1767.8 MMBtu/hr nominal heat input (HHV), with a heat recovery steam generator (HRSG) with a	None	N/A	N/A	6072	69585.12	0	7.62770712
APCD2012-PTO-001148	One (1) chromate conversion coating tank (6" diameter) processing components with a solution containing chromic acid.	None	N/A	N/A	0	0	0.000019	0.000019
APCD2012-PTO-001158	Emergency Diesel Engine Generator: Caterpillar; model C15; serial number FSE03555; Engine Family ACPXL15.2ESX; tier 3 certified; 546 bhp rated; turbocharged; equipped with RYPOS model RH406LC DPF, S/N R111CP; driving a 350 kW generator	DPF / DPF+SCR	20748	64428	7.7	89	12	12.7
APCD2012-PTO-001232	Tankless Gold and Nickel electroplating. Equipment-Brooktronics Engineering Corp plating machine, Model 25-30HD amd motor voltage meter Brooktronics Engineering Corp, Model VS-200, using BEC 104 Cleaning Solution #4, BEC 101 Etching	None	N/A	N/A	NA	NA	NA	NA
APCD2012-PTO-001233	Non Electrolytic metal coating process using chrome conversion coatings to touch up parts. Material-BEC 308C Supplementary Chromate Treatment, Q-Tips and/or Chem Wipes.	None	N/A	N/A	NA	NA	NA	NA
APCD2012-PTO-001238	Vapor degreaser with less than 5 square feet air vapor interface: Manufacturer: Branson Model: B452RVapor zone dimensions: 28.75 inches long x 15.25 inches wide x 8.5 inches deep Serial No. 01-5322-07Solvent: Listed in Attachment BB	Low/zero VOC solvent, RTO	500	100000	800	0	0	0
APCD2012-PTO-001257	Stationary Emergency Diesel Engine: Cummins / 6BTA5.9-G4, S/N: 46398070, 170 hp, EPA Tier 2 certified of Family #4CEXL0359AAF, turbocharged, aftercooled, driving a generator.	DPF / DPF+SCR	6460	20060	7.7	89	12	12.7
APCD2012-PTO-001259	Concrete Masonry Units Manufacturing Plant, consisting of: Four (4) aggregate bins, Three (3) bins 16 yds per bin and One (1) bin 24 yds. Four (4) metering belts, one (1) collection belt, one (1) cross belt, and one (1) feed belt. One (1) cement silo,	None obvious.	10000	100000	0.05	18.75	0	0.26
APCD2012-PTO-001278	Vapor degreaser with an air vapor interfacial area greater than 5 square feet: Manufacturer: Crest Ultrasonics Model: F-200-2420Interior length x width dimension: 49" L x 20" W Freeboard height: 24"Serial No.: 0911V0592Solvent: See Attachment BB	Low/zero VOC materials, RTO	500	100000	1460	0	0	407.68
APCD2012-PTO-001305	Stationary Emergency Diesel Engine: John Deere / 4045HF285I, S/N: PE4045L205249, 158 hp, EPA Tier 3 certified of Family #CJDXL04.5119, turbocharged, aftercooled, driving a generator.	DPF / DPF+SCR	6004	18644	7.7	89	12	12.7
APCD2012-PTO-001342	Rubberized asphalt production operation consisting of either one of the following plants: Plant 1: One (1) 45 ton per hour Rubberized Asphalt Plant consisting of: One (1) 6-ton rubber storage bin; one (1) HDI-500 Hot Oil Heater, equipped with a 4.5 M	RTO	100000	100000	120	547	165	40
APCD2012-PTO-001417	Hot Mix Asphalt (HMA) Plant, 400 tons/hour capacity, consisting of: 1. Asphalt Plant (AP) consisting of: Dryer drum: Astec, 8'x40', double barrel counterflow, with 100 MMBtu/hour Phoenix natural gas low-NOx burner	None	N/A	N/A	20400	4200	0	6959
APCD2013-PTO-001442	Gasoline dispensing facility (non-retail): four (04) nozzles with one (1) grade per nozzle Balance per ARB EO G-70-116-F with VST liquid removal system	None	N/A	N/A	994	0	0	88
APCD2013-PTO-001478	One open faced paint spray booth enclosed with curtains: Manufacturer: Global Finishing Solution Model: BDB-5-NESHAPDimensions: 6 feet long x 5 feet wide x 44 inches high	Low/zero VOC coatings, RTO	500	100000	140	0	0	95.5

	Number of exhaust stacks: 1Exhaust flow rate: 9,495 cfm Stack diameter: 16 inches							
APCD2013-PTO-001585	Low-Use, ATCM-Portable, Diesel Engine: Deutz; Model F4L913; Serial Number 8618968; 70 bhp; Model Year 2001 EPA Certified, Tier 1, Engine Family Number 1DZXL06.1010; Powering a Dewatering Pump	DPF / DPF+SCR	2660	8260	7.7	89	12	12.7
APCD2013-PTO-001706	Emergency Diesel Engine Generator: John Deere; model 6068HFG85; serial number PE6068L908699; Engine Family DJDXL13.5103; tier 3 certified; 315 bhp rated; turbocharged with charge air cooler; driving an 180 kW generator	DPF / DPF+SCR	11970	37170	7.7	89	12	12.7
APCD2013-PTO-001770	Metal parts and products coating operation consisting of an enclosed spray booth, equipped with filters: Manufacturer: Global Finishing Solutions; Model: SDG-1616-PDT-52-S-S-S;Dimensions: 52' L x 16' W x 16' H; Stack: four (4) exhaust stacks	Low/zero VOC coatings, RTO	500	100000	15000	0	0	6680
APCD2014-PTO-002072	Stationary Emergency Diesel Engine: Mitsubishi; Model S16R-Y2PTAW2-1; Serial Number 18748; 2923 bhp; Model Year 2012 EPA Certified, Tier 2, Engine Family Number CMVXL65.4BBA; Powering a 2000 kW Electrical Generator.	DPF / DPF+SCR	111074	344914	7.7	89	12	12.7
APCD2014-PTO-002121	Metal melting furnace, Make Mel-Kepper, Model MK-300, S/N MKO-166, 1370 lb holding capacity, 661 lbs/hour maximum melting rate, with 1 MMBtu/hour total heat input from the melting chamber and holding chamber natural gas burners.	collection hood , Shared	20000	50000	48	432	0	23.5
APCD2014-PTO-002195	Aggregate processing plant, 500 tons/hour or less, consisting of: two grizzly feeders, one 440 hp or less jaw crusher, one 440 hp or less cone crusher; one 225 hp or less triple deck screen, eight conveyors, one stockpile, prime use (ATCM Portable)	None	N/A	N/A	140	5200	0	41.82
APCD2014-PTO-002207	Motor vehicle refinishing operation consisting of One enclosed paint spray booth with heater Manufacturer: Global Finishing Solutions Vertex SD-SS Dimensions: 27 feet long x 14 feet wide x 9 feet high Number of exhaust stacks: 1Stack height: 24 feet	Low/zero VOC coatings, RTO	500	100000	1480	0	0	795
APCD2014-PTO-002222	Metal coating operation consisting of: Unenclosed work area 80 feet long x 74 feet wide for application of compliant metal coating with HVLP spray gun, brushes and rollers.	Low/zero VOC coatings, RTO	500	100000	0	0	0	1825
APCD2015-PTO-002254	Registration of Existing Standby Natural Gas Engine Cummins, Model G855, S/N 25207012, Model Year 1995, 220 BHP.	None	N/A	N/A	7.7	89	12	12.7
APCD2015-PTO-002283	Emergency standby engine: Cummins diesel engine, Model QSX15-G9 (S/N: 79726054), rated at 755 BHP, Model Year 2013, EPA Tier 2 certified of Engine Family Number ECEXL015.AAJ, driving a 350 KW generator. Equipped with turbocharger and aftercooler.	DPF / DPF+SCR	28690	89090	7.7	89	12	12.7
APCD2015-PTO-002419	Registration of Portable Sand and Gravel Screening Read, Model RD90, Model 1613, Rating 90 tons/hr, Length 10 ft, Width 6 ft. This registration does not include an engine. Any non-exempt engine must have separate authority to operate.	None	N/A	N/A	0	0	0	540
APCD2015-PTO-002423	Emergency standby engine: Perkins LTD diesel engine, Model 2806C-E18TAG3 (S/N: U12892Y), rated at 909 BHP, Model Year 2013, EPA Tier 2 certified of Engine Family Number DPKXL18.1TAG, driving a 600 KW generator. Equipped with turbocharger	DPF / DPF+SCR	34542	107262	7.7	89	12	12.7
APCD2015-PTO-002438	Emergency Diesel Engine: Detroit Diesel/MTU, Model 16V2000 G45, 1354 BHP, S/N 5362010978, Model Year 2014, Tier 2 Certified, Engine Family No. EMDDL3508GRR, with a stack height of at least 15 feet, driving an emergency generator.	DPF / DPF+SCR	51452	159772	7.7	89	12	12.7
APCD2015-PTO-002439	Emergency Diesel Engine: Detroit Diesel/MTU, Model 16V2000 G45, 1354 BHP, S/N 5362010981, Model Year 2014, Tier 2 Certified, Engine Family No. EMDDL3508GRR, with a stack height of at least 15 feet, driving an emergency generator.	DPF / DPF+SCR	51452	159772	7.7	89	12	12.7
APCD2015-PTO-002440	Emergency Diesel Engine: Detroit Diesel/MTU, Model 16V2000 G45, 1354 BHP, S/N 5362010982, Model Year 2014, Tier 2 Certified, Engine Family No. EMDDL3508GRR, with a stack height of at least 15 feet, driving an emergency generator.	DPF / DPF+SCR	51452	159772	7.7	89	12	12.7

APCD2015-PTO-002477	Prime diesel engine (ATCM Portable, Low-Use): Caterpillar diesel engine, Model 3412E, S/N 4CR00739, rated at 650 bhp, Model Year 1997, Tier 1 certified of Engine Family Number VCP27.RZDARN, powering a tub grinder.	None	N/A	N/A	91	5693	0	45
APCD2016-PTO-002514	Metal melting crucible furnace, Morgan Molten Metal Systems, Model MKV GAS RECUP, S/N 1269, 1300 lb holding capacity, 700 lbs/hour maximum melting rate, with 0.956 MMBtu/hour total heat input from the melting chamber and holding chamber natural gas b	emission collection hood; shared	20000	50000	42	380	0	5.8
APCD2016-PTO-002515	Metal melting crucible furnace, Morgan Molten Metal Systems, Model MKV GAS RECUP, S/N 1271, 1300 lb holding capacity, 700 lbs/hour maximum melting rate, with 0.956 MMBtu/hour total heat input from the melting chamber and holding chamber	emission collection hood; shared	20000	50000	42	380	0	5.8
APCD2016-PTO-002516	Metal melting crucible furnace, Morgan Molten Metal Systems, Model MKV GAS RECUP, S/N 1270, 1300 lb holding capacity, 700 lbs/hour maximum melting rate, with 0.956 MMBtu/hour total heat input from the melting chamber and holding chamber	emission collection hood; shared	20000	50000	42	380	0	5.8
APCD2016-PTO-002555	Emergency standby engine: Caterpillar diesel engine, Model C4.4, S/N E5M01185, rated at 130 bhp, Model Year 2009, Tier 3 certified of Engine Family Number 9PKXL04.4NJ1, driving a 60 KW generator.	DPF / DPF+SCR	4940	15340	7.7	89	12	12.7
APCD2016-PTO-002704	Emergency Diesel Engine: John Deere, Model 6135HFG75, 755 BHP, S/N RG6135G007270, Model Year 2015, Tier 2 Certified, Engine Family No. FJDXL13.5132, driving a backup generator.	DPF / DPF+SCR	28690	89090	7.7	89	12	12.7
APCD2017-PTO-002785	Diesel Engine (ATCM Portable): Daimler Mercedes-Benz, Model OM460LA, 503 BHP, S/N 458.992-C0-284594, Model Year 2015, Tier 4i Certified, Engine Family No. DMBXL12.8RJB.	None	N/A	N/A	3.5	142.6	0	382
APCD2017-PTO-002806	Denatured ethanol dispensing facility to transfer denatured ethanol from railcar tanks into cargo truck tanks consisting of Two (2) transloading carts each equipped with two point balance vapor recovery systems: Manufacturer: Bruce P. Murdock, Inc.	None	N/A	N/A	950			62.12
APCD2017-PTO-002850	Metal melting furnace, Make Mel-Kepper, Model MK-300, S/N MKO-173, 1370 lb holding capacity, 580 lbs/hour maximum melting rate, with 1.27 MMBtu/hour total heat input from the melting chamber and holding chamber natural gas burners	emission collection hood; shared	20000	50000	68	626	0	16.13
APCD2017-PTO-002968	Rubberized asphalt blending plant (D&H Plant), 45 tons/hour, consisting of: one (1) 6-ton ground tire rubber (GTR) receiving hopper with screw conveyor and feed conveyor; one (1) 2-ton natural crumb rubber receiving hopper with screw conveyor	RTO	100000	100000	0.08	0.25	0.07	24.4