

A

ROUTING RECORD

DATE	FROM	TO	ACTION
7-14-10	ADD	G-R	Prescreen
9-22-10	GRD		TV Rev. (De-minimis segm) Accept.
9-24-10	GRD	ADD	TV Rev. Revis. Ready for EPA review.
10-20-10	GRD	ADD	Revisd - "
01-18-11	GRD	ADD	Revisd - "
01-18-11	ADD	CT	EPA Review
03-08-11	GRD	ADD	TV Rev (03) Reconn (Final)
8-17-12	ADD	CT	TV Approved

REFERENCE TO OTHER APCD RECORDS INCLUDING (AP 520795)

TV Revision Approved (No Revision Made)

TV

APPL # 514393
 I.D. # 17301
 ORANGE COUNTY SANITATION DISTRICT
 10844 ELLIS AVE
 FOUNTAIN VALLEY
 TITLE V REVISION
 De-Minimis
 Date: 09/08/10



South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To: P.O. Box 4944 Diamond Bar, CA 91765

Tel: (909) 396-3385 www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit: Orange County Sanitation District
2. Valid AQMD Facility ID (Available on Permit or Invoice Issued by AQMD): 017301
3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address: For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site
10844 Ellis Avenue
Street Address
Fountain Valley CA, 92708 - 7018
City State Zip Code
County: [] Los Angeles [X] Orange [] San Bernardino [] Riverside
Contact Name: Terry Ahn
Contact Title: Regulatory Specialist Phone: (714) 593-7082
Fax: (714) 962-8379 E-Mail: tahn@ocsd.com

Section C: Permit Mailing Address

5. Permit and Correspondence Information:
[X] Check here if same as equipment location address
Street Address
City State Zip Code
Contact Name
Contact Title Phone
Fax E-Mail

Section D: Application Type The facility is in [] RECLAIM [X] Title V [] RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):
[] New Construction (Permit to Construct)
[X] Equipment Operating Without A Permit or Expired Permit
[] Administrative Change
[] Equipment On-Site But Not Constructed or Operational
[X] Title V Application (Initial, Revisions, Modifications, etc.)
[] Compliance Plan
[] Facility Permit Amendment
[] Registration/Certification
[] Streamlined Standard Permit
Existing Or Previous Permit/Application Number:
(If you checked any of the items in this column, you MUST provide a existing Permit/Application Number)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY):
8. Description of Equipment:
1) Storage Tank, Hydrochloric Acid, 8,000 Gallon Capacity, Vented to 55-Gallon Drum Scrubber
2) Storage Tank, Hydrochloric Acid, 2000 Gallon Capacity, Vented to 55-Gallon Drum Scrubber
9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? [X] No [] Yes
10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)
11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?) [X] No [] Yes
12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment? [X] No [] Yes If yes, provide NOV/NC #:

* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D))

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location? Municipal Wastewater Treatment
14. What is your business primary NAICS Code (North American Industrial Classification System)? 221320
15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? [] No [X] Yes
16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? [X] No [] Yes

Section F: Authorization/Signature I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: James D. Ruth
18. Title: General Manager
19. Print Name: James D. Ruth
20. Date: 7/7/10
Check List:
[] Form(s) signed and dated by authorized official
[] Supplemental Equipment Form (400-E-XX or 400-E-GEN)
[] CEQA Form (400-CEQA) attached
[] Payment for permit processing fee attached
Your application will be rejected if any of the above items are missing.

Table with columns: AQMD USE ONLY, APPLICATION/TRACKING # (514393), TYPE (BCD), EQUIPMENT CATEGORY CODE (64:10), FEE SCHEDULE (555007, 861-52), VALIDATION (9/8/10), ENG. DATE (9/22/10), ASSIGNMENT (Engineer), CHECK/MONEY ORDER (100003330), AMOUNT (861.52), Tracking #

47 89927

S.C.A.Q.M.D.
ENGINEERING

NO SEP -8 P4:16



Need 400 A, TV. Rev.
 Need Fee \$861.52



South Coast Air Quality Management District

Form 400-CEQA

California Environmental Quality Act (CEQA) Applicability

Mail Application To:
 P.O. Box 4944
 Diamond Bar, CA 91765
 Tel: (909) 396-3385
www.aqmd.gov

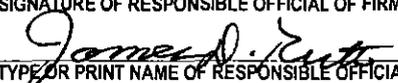
The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project¹ has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].² Refer to the attached instructions for guidance in completing this form.³ For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109.

FACILITY INFORMATION	
Business Name of Operator to Appear on the Permit: Orange County Sanitation District	Facility ID (6-Digit): 017301
Project Description: Permitting of Existing Hydrochloric Acid Storage Tanks vented to a 55-gallon drum scrubbers located at Plant No. 1 Headworks and Primary Scrubber Complexes	

REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION			
Check "Yes" or "No" as applicable			
	Yes	No	Is this application for:
A.	<input type="radio"/>	<input checked="" type="radio"/>	A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project? If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	<input type="radio"/>	<input checked="" type="radio"/>	A request for a change of permittee only (without equipment modifications)?
C.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment certification or equipment registration (qualifies for Rule 222)?
D.	<input type="radio"/>	<input checked="" type="radio"/>	A functionally identical permit unit replacement with no increase in rating or emissions?
E.	<input type="radio"/>	<input checked="" type="radio"/>	A change of daily VOC permit limit to a monthly VOC permit limit?
F.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment damaged as a result of a disaster during state of emergency?
G.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V (i.e., Regulation XXX) permit renewal (without equipment modifications)?
H.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V administrative permit revision?
I.	<input type="radio"/>	<input checked="" type="radio"/>	The conversion of an existing permit into an initial Title V permit?
If "Yes" is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.			

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA			
Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.			
	Yes	No	Section I - General
1.	<input type="radio"/>	<input checked="" type="radio"/>	Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project? Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.
2.	<input type="radio"/>	<input checked="" type="radio"/>	Is this project part of a larger project?
Section II - Air Quality			
3.	<input type="radio"/>	<input checked="" type="radio"/>	Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?
4.	<input type="radio"/>	<input checked="" type="radio"/>	Does this project include the open outdoor storage of dry bulk solid materials that could generate dust? If Yes, include a plot plan with the application package.

¹ A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.
² To download the CEQA guidelines, visit http://ceres.ca.gov/env_law/state.html.
³ To download this form and the instructions, visit <http://www.aqmd.gov/ceqa> or <http://www.aqmd.gov/permit>

	Yes	No	
5.	<input type="radio"/>	<input checked="" type="radio"/>	<p>Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?</p> <p>For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 - Nuisance.</p>
6.	<input type="radio"/>	<input checked="" type="radio"/>	Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?
7.	<input type="radio"/>	<input checked="" type="radio"/>	Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1? ⁴
Section III - Water Resources			
8.	<input type="radio"/>	<input checked="" type="radio"/>	<p>Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?</p> <p>The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.</p>
9.	<input type="radio"/>	<input checked="" type="radio"/>	<p>Will the project require construction of new water conveyance infrastructure?</p> <p>Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.</p>
Section IV - Transportation/Circulation			
10.			Will the project result in (Check all that apply):
	<input type="radio"/>	<input checked="" type="radio"/>	a. the need for more than 350 new employees?
	<input type="radio"/>	<input checked="" type="radio"/>	b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?
	<input type="radio"/>	<input checked="" type="radio"/>	c. increase customer traffic by more than 700 visits per day?
Section V - Noise			
11.	<input type="radio"/>	<input checked="" type="radio"/>	Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?
Section VI - Public Services			
12.			Will the project create a permanent need for new or additional public services in any of the following areas (Check all that apply):
	<input type="radio"/>	<input checked="" type="radio"/>	a. Solid waste disposal? Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	<input type="radio"/>	<input checked="" type="radio"/>	b. Hazardous waste disposal? Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).
REMINDER: For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.			
SIGNATURES			
I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.			
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:		TITLE OF RESPONSIBLE OFFICIAL OF FIRM:	
		General Manager	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:		RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER:	DATE Signed:
James D. Ruth		(714) 5937-110	7/7/10
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:		TITLE OF PREPARER:	
		Regulatory Specialist	
TYPE OR PRINT NAME OF PREPARER:		PREPARER'S TELEPHONE NUMBER:	DATE Signed:
Terry Ahn		(714) 5937-082	7/7/10

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

⁴ Table 1 - Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.



South Coast Air Quality Management District

Form 500-A2

TITLE V Application Certification

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765
Tel: (909) 396-3385
www.aqmd.gov

Section I - Facility Information

- 1. Permit to be issued to (Business name of operator to appear on permit): Orange County Sanitation District
2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 017301
3. This Certification is submitted with a (Check one): a. Title V Application (Initial, Revision or Renewal)
b. Supplement/Correction to a Title V Application
c. MACT Part 2
4. Is Form 500-C2 included with this Certification? Yes No

Section II - Responsible Official Certification Statement

I certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX and that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attached application forms and other materials are true, accurate, and complete.

Read each statement carefully and check each that applies - You must check 3a or 3b.

1. For Initial, Permit Renewal, and Administrative Application Certifications:

- a. The facility, including equipment that are exempt from written permit per Rule 219, is currently operating and will continue to operate in compliance with all applicable requirement(s) identified in Section II and Section III of Form 500-C1,
i. except for those requirements that do not specifically pertain to such devices or equipment and that have been identified as "Remove" on Section III of Form 500-C1.
ii. except for those devices or equipment that have been identified on the completed and attached Form 500-C2 that will not be operating in compliance with the specified applicable requirement(s).
b. The facility, including equipment that are exempt from written permit per Rule 219, will meet in a timely manner, all applicable requirements with future effective dates.

2. For Permit Revision Application Certifications:

- a. The equipment or devices to which this permit revision applies, will in a timely manner comply with all applicable requirements identified in Section II and Section III of Form 500-C1.

3. For MACT Hammer Certifications:

- a. The facility is subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63), also known as the MACT "hammer." The following information is submitted with a Title V application to comply with the Part 1 requirements of Section 112(j). (If Part 2 has not been submitted, you must submit 500-MACT Part 2 with this form.)
b. The facility is not subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63).

James D. Ruth Signature of Responsible Official
James D. Ruth Type or Print Name of Responsible Official
General Manager Title of Responsible Official
10844 Ellis Avenue Address of Responsible Official
Fountain Valley City
CA State
92708 Zip Code
Date 7-7-00
Phone (714) 593-7110
Fax (714) 968-4389

Acid Rain Facilities Only: Turn page over & complete Section III

Acid Rain facilities must certify their compliance status of the devices subject to applicable requirements under Title IV by an individual who meets the definition of Designated (or Alternate) Representative in 40 CFR Part 72.

Section III - Designated Representative Certification Statement			
<p>1. <i>For Acid Rain Facilities Only.</i> I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.</p>			
Signature of Designated Representative or Alternate			Date
Type or Print Name of Designated Representative or Alternate			Phone
Title of Designated Representative or Alternate			Fax
Address of Designated Representative or Alternate		City	State Zip Code

**SCAQM PERMIT PROCESSING SYSTEM (PS)
FEE DATA - SUMMARY SHEET**

Application No : 514393

IRS/SS No:

Previous Application No:

Previous Permit No:

Company Name : **ORANGE COUNTY SANITATION DISTRICT**
 Equipment Street: **10844 ELLISAVE , FOUNTAIN VALLEY CA 92708**
 Equipment Desc : **Title V Permit Revision**

Facility ID: **17301**

32

Equipment Type : **BASIC**
 B-CAT NO. : **555007**
 Facility Zone : **18**

C-CAT NO: **00**
 Deemed Compl. Date: **9/22/2010**

Fee Charged by: **B-CAT**
 Fee Schedule: **Z**
 Public Notice: **NO**

Evaluation Type : **DE MINIMIS PERMIT REVISION**
 Disposition : **Approve Title V Application, Recommended by Engineer**
 Lead Appl. No :

Small Business:
 Higher Fees for Failing to Obtain a Permit:
 Identical Permit Unit:

Air quality Analysis	\$0.00	Filing Fee Paid:	\$0.00
E.I.R	\$0.00	Permit Processing Fee Paid:	\$861.52
Health Risk Assessment	\$0.00	Permit Processing Fee Calculated*:	\$861.52
Significant Project	\$0.00	Permit Processing Fee Adjustment:	\$0.00
Expedited Processing	Hours: 0.00 \$0.00		
Source Test Review	Hours: 0.00 \$0.00		
Time & Material	Hours: 0.00 \$0.00		
		Total Additional Fee:	\$0.00
		Additional Charge:	\$0.00

COMMENTS: TITLE V PERMIT, DE-MIMIMIS SIGNIFICANT REVISION (GROUPED 512830 & 512831).

RECOMMENDED BY: GAURANG RAWAL

DATE: 09/24/2010

REVIEWED BY: *CDT*

DATE: *8/16/12*

* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY

NSR DATA SUMMARY SHEET

Application No: 514393
Application Type: De minimis Significant permit revision
Application Status: PENDAPPRV
Previous Apps, Dev, Permit #: NONE

Company Name: ORANGE COUNTY SANITATION DISTRICT
Company ID: 17301
Address: 10844 ELLIS AVE, FOUNTAIN VALLEY, CA 92708
RECLAIM: NO
RECLAIM Zone: 01
Air Basin: SC
Zone: 18
Title V: YES

Device ID: 0 - TITLE-V
Estimated Completion Date:
Heat Input Capacity: 0 Million BTU/hr
Priority Reserve: NONE - No Priority Access Requested
Recommended Disposition: 32 - BANKING/ PLAN GRANTED
PR Expiration:
School Within 1000 Feet: NO
Operating Weeks Per Year: 52
Operating Days Per Week: 5
Monday Operating Hours: 08:00 to 16:00
Tuesday Operating Hours: 08:00 to 16:00
Wednesday Operating Hours: 08:00 to 16:00
Thursday Operating Hours: 08:00 to 16:00
Friday Operating Hours: 08:00 to 16:00
Saturday Operating Hours: 00:00 to 00:00
Sunday Operating Hours: 00:00 to 00:00

Emittant: PM10
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0 lbs/hr
Max Daily: 0 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0 lbs/hr
Max Daily: 0 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 0 lbs/yr
District Exemption: None

SUPERVISOR'S APPROVAL:

~~ATL~~ COT

SUPERVISOR'S REVIEW DATE:

8/16/12

Processed By: amird 8/17/2012 3:34:33 PM



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

August 16, 2012

Mr. James D. Ruth
General Manager
Orange County Sanitation District
PO Box 8127
Fountain Valley, CA 92728-8127

Subject: De Minimis Significant Revision to Title V Permit for Orange County Sanitation District (OCSD), Sewage Treatment Plant, Fountain Valley (ID# 017301)

Dear Mr. Ruth,

Enclosed please find the revised Title Page, Table of Contents, Section D and section H of the Title V Permit for OCSD, sewage treatment plant located at 10844 Ellis Avenue, Fountain Valley, CA, in Orange County. On June 19, 2012, the South Coast Air Quality Management District (AQMD) issued draft permit for Environmental Protection Agency's (EPA) review, and no comments were received from EPA. No public notice was required for this revision.

The revised Section D and Section H reflect the approval of the permits as shown below.

SECTION D, REVISION 02, PERMIT TO OPERATE

Appl. No.	Equipment	Description
512830	Storage Tank, Hydrochloric Acid	Existing storage tank, fixed roof, for hydrochloric acid, 8,000 –gallon, venting to a passive activated carbon drum.
512831	Storage Tank, Hydrochloric Acid	Existing storage tank, fixed roof, for hydrochloric acid, 2,000 –gallon, venting to a passive activated carbon drum.

SECTION H, REVISION 02, PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

Appl. No.	Equipment	Description
520793	Odor Control equipment, 40, 000 cfm capacity	Odor control equipment consisting of multi-stage chemical scrubbers and GAC system treating 40,000 cfm exhaust from Sludge Thickening and Dewatering Building.
520794	Sewage Treatment Plant > 5 MGD, anaerobic	Modifications to sewage treatment plant > 5 MGD, anaerobic, (PC 453210) by installations of New Sludge Thickening and Dewatering Facility.

Mr. James D. Ruth
General Manager
Title V Permit Revision
OCSD, Facility ID. 17301

-2-

August 16, 2012

Please review the attached pages carefully. Insert the enclosed section in your Title V Facility Permit and discard the earlier versions. Questions concerning this revised permit should be directed to Mr. Gaurang Rawal at (909) 396-2543.

The operation of your facility is bound by the conditions and/or requirements stated in your Facility Permit to Operate. If you determine any administrative errors, please contact Mr. Gaurang Rawal at the above number within 30 days of receipt of your permit.

Sincerely,

Jay Chen, P.E.
Senior AQ Engineering Manager,
Refinery and Waste Management Permitting

JC: CDT: GCR

cc: w/ enclosure
Geraldo Rios, EPA Region IX
Compliance
Title V Central File
Title V Revision A/N 520795



**FACILITY PERMIT TO OPERATE
ORANGE COUNTY SANITATION DISTRICT**

PERMIT TO OPERATE

**Permit No. G19907
A/N 512830**

Equipment Description:

STORAGE TANK, FIXED ROOF, ID NO. 10ITNK037 (P1 HEADWORKS), HYDROCHLORIC ACID, 12' - 0" DIA. X 10' - 0" H., 8,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 6,000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]
5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]



**FACILITY PERMIT TO OPERATE
ORANGE COUNTY SANITATION DISTRICT**

PERMIT TO OPERATE

Permit No. G19908
A/N 512831

Equipment Description:

STORAGE TANK, FIXED ROOF, ID NO. 11ITNK100 (P1 PRIMARY), HYDROCHLORIC ACID, 6' - 0" DIA. X 11' - 0" H., 2,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 6,000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]
5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

ENGINEERING DIVISION.... MEMORANDUM

To	File	FROM	AD	DATE	8/17/12
REFERENCE	OCSD, Title II Revision			PERMIT APPL. No.	514393
SUBJECT	Grouping of A/NS 512830 and 512831.				
<p>Application Nos. 512830 and 512831 were originally sent to EPA under this application for 45-day review and comment period. No comments were received from EPA during the commenting period. However, OCSD requested modifications to the conditions for both applications which required re-submittal of both applications (512830 and 512831) to EPA for review and comment again. These applications (512830 and 512831) were resubmitted to EPA along with A/NS 520993 and 520794 under Title II Revision A/N 520795. Again no comments were received from EPA and permits were finalized for all four applications. Unfortunately since the tracking for A/N 514393 was closed, the computer system (PAATS) did not allow us to group A/NS 512830 and 512831 with the latest Title II Revision Application (520795). Therefore both Title II revision applications (A/NS 520795 and 514393) now need to be approved. In the PAATS system, A/NS 512830 and 512831 will be grouped under A/N 514393 and A/NS 520793 and 520794 will be grouped under A/N 520795.</p>					

Not Mailed



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

March 8, 2011

Mr. James D. Ruth
General Manager
Orange County Sanitation District
PO Box 8127
Fountain Valley, CA 92728-8127

Subject: Orange County Sanitation District- Fountain Valley Waste Water Treatment Facility
(Facility ID 017301)
Title V Facility Permit, Revision No. 3

Dear Mr. Ruth ,

Enclosed please find the revised Title page, Table of Contents and Section D of your Title V Facility Permit. The revised sections reflect the approval of a 514393 Permit Revision of the Title V permit. The South Coast Air Quality Management District (AQMD) issued a draft permit for Environmental Protection Agency (EPA) review on January 19, 2011, and no comments were received from the EPA.

The revision to Section D includes the revised permit as shown below:

SECTION D, PERMIT TO OPERATE

Appl. No.	Equipment	Description
512830	Storage Tank, Hydrochloric Acid	Existing storage tank, fixed roof, for hydrochloric acid, 8,000-gallon, venting to a passive activated carbon drum.
512831	Storage Tank, Hydrochloric Acid	Existing storage tank, fixed roof, for hydrochloric acid, 2,000-gallon, venting to a passive activated carbon drum.

Please review the attached pages and then insert the enclosed sections in you Title V Facility Permit, and discard the earlier versions.

Mr. James D. Ruth
OCSD, Fountain valley Plant
Title V Revision A/N 514393

Page 2

March 8, 2011

If you have any questions concerning changes to your permit, or if you determine any administrative error, please contact Gaurang Rawal (909) 396-2543, within 30 days of the receipt of your permit.

Sincerely,

Jay Chen, P.E.
Senior AQ Engineering Manager
Waste Management and Bulk Terminals
Permitting

JC: CDT: GCR

Attachments

cc: w/ enclosure
Geraldo Rio, EPA Region IX
Compliance
Title V Central File
Title V Application 514393 File

New Proposed Permits	Old Proposed Permits	EPA Objections	Final Permits	Facility List	All Documents
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U.S. EPA Region 9 Electronic Permit Submittal System

EPA Comments on Proposed Permits

Previous	Next	Expand All	Collapse All	Search EPA Comments	Main EPSS Home	Air Permit Home	Region 9 Home
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▼<--Click on this image to collapse main choices ▶<--Click on this to expand main choices

Facility

Comment Date Permit Type

▶ **ARIZONA**

▼ **CALIFORNIA**

- ▶ **AMADOR COUNTY APCD**
- ▶ **BAY AREA AQMD**
- ▶ **COLUSA COUNTY APCD**
- ▶ **EASTERN KERN APCD**
- ▶ **FEATHER RIVER AQMD**
- ▶ **IMPERIAL COUNTY APCD**
- ▶ **ASSEN COUNTY APCD**
- ▶ **MENDOCINO COUNTY APCD**
- ▶ **MOJAVE DESERT AQMD**
- ▶ **MONTEREY BAY UNIFIED APCD**
- ▶ **NORTH COAST UNIFIED AQMD**
- ▶ **NORTHERN SONOMA COUNTY APCD**
- ▶ **PLACER COUNTY APCD**
- ▶ **SACRAMENTO METRO AQMD**
- ▶ **SAN DIEGO APCD**
- ▶ **SAN JOAQUIN VALLEY UNIFIED APCD**
- ▶ **SAN LUIS OBISPO APCD**
- ▶ **SANTA BARBARA COUNTY APCD**
- ▶ **SHASTA COUNTY APCD**
- ▼ **SOUTH COAST AQMD**

<u>AERA ENERGY LLC (WAS CALRESOURCES LLC)</u>	08/27/2001	Title V Operating Permit
<u>AES HUNTINGTON BEACH, LLC (FORMERLY SCE-HUNTINGTON BEACH)</u>	02/09/2002	Title V Operating Permit
<u>AES HUNTINGTON BEACH, LLC (FORMERLY SCE-HUNTINGTON BEACH)</u>	07/07/2002	Title V Operating Permit
<u>AES HUNTINGTON BEACH, LLC (FORMERLY SCE-HUNTINGTON BEACH)</u>	01/22/2003	Title V Operating Permit
<u>AFX WHEELS, INC., PCA METAL FINISHING INC</u>	04/03/2000	Title V Operating Permit
<u>AIR LIQUIDE LARGE INDUSTRIES US</u>	12/30/2007	Title V Operating Permit
<u>AIRCRAFT X-RAY LABS INC</u>	09/06/1999	Title V Operating Permit
<u>AKZO COATINGS INC.</u>	08/28/2002	Title V Operating Permit

OCSD ID 17301 E-DOCS submitted to EPA on 1/19/2011

NO EPA comments

3-8-11

Catherine Rodriguez

From: Catherine Rodriguez
Sent: Wednesday, January 19, 2011 2:19 PM
To: 'R9AirPermits_SC@epamail.epa.gov'
Cc: Gaurang Rawal; Amir Dejbakhsh; Charles Tupac; Jay Chen
Subject: Orange County Sanitation District (OCSD) Sewage Treatment Plant, Fountain Valley (017301) Proposed De Minimis Significant
Attachments: ID 17301 OCSD Fountain Valley - EPA Cover Letter AN 512830 512831 514393.pdf; ID 17301 OCSD Fountain Valley - Proposed Revised TV Permit AN 512830 512831 514393.pdf; ID 17301 OCSD Fountain Valley - Engr Eval AN 512830 512831 514393.pdf

Facility Name: Orange County Sanitation District (OCSD) Sewage Treatment Plant, Fountain Valley
Facility ID: 017301

Address: 10844 Ellis Ave., Fountain Valley, CA

Type of Mod: Proposed De Minimis Significant (Rev-03)

Description: Section D - Permit to Operate

AN: 512830 - Storage Tank, Hydrochloric Acid - Existing storage tank, fixed roof, for hydrochloric acid, 8,000 gallon venting to a passive activated carbon drum.

AN: 512831 - Storage Tank, Hydrochloric Acid - Existing storage tank, fixed roof, for hydrochloric acid, 2,000 gallon venting to a passive activated carbon drum.

Title V Application #: 514393

Attachments:

1. EPA Cover Letter
2. Proposed Title V Permit
3. Engineering Evaluation

Please call or email me if there are any problems with the transmission of the attached files

Thank you.

Catherine

Catherine Rodriguez
Secretary to
Jay Chen, Sr. AQ Engineering Manager
SCAQMD
E&C-Refinery and Waste Management -Permitting Unit
21865 Copley Drive
Diamond Bar, CA 91765
(909) 396-2735; crodriguez@aqmd.gov

MAILED
COPY OF LETTER
to CC.

45-day complete on 3/5/2011



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

January 18, 2011
Via electronic submittal

Mr. Gerardo Rios
USEPA – Region IX
Mail Stop A-5-2
75 Hawthorne Blvd.
San Francisco, CA 94105

Dear Mr. Rios,

Proposed De Minimis Significant Revision to Title V Permit for Orange County Sanitation District (OCSD), Sewage Treatment Plant, Fountain Valley (ID# 017301)

Enclosed for your 45-day review is the proposed revision to the Title V Permit for OCSD, sewage treatment plant located at 10844 Ellis Avenue, Fountain Valley, CA in Orange County. This revision is considered to be a de minimis significant. We are enclosing the appropriate pages of the proposed Section D, which includes the permits as shown below, and the engineering evaluation.

SECTION D, PERMIT TO OPERATE

Appl. No.	Equipment	Description
512830	Storage Tank, Hydrochloric Acid	Existing storage tank, fixed roof, for hydrochloric acid, 8,000 –gallon, venting to a passive activated carbon drum.
512831	Storage Tank, Hydrochloric Acid	Existing storage tank, fixed roof, for hydrochloric acid, 2,000 –gallon, venting to a passive activated carbon drum.

Previous Title V revision permit for this facility was issued on August 27, 2010.

This request is being made via electronic submittal in order to facilitate your review. If you have any questions or need additional information, please contact Mr. Gaurang Rawal at (909) 396-2543 or by email at grawal@aqmd.gov.

Sincerely,

Jay Chen, P.E.
Senior AQ Engineering Manager
Refinery and Waste Management Permitting

JC: CDT: GCR
Enclosures

cc: James D. Ruth, General Manager, OCSD.
A/N 514393 - TV permit revision (03)

FACILITY PERMIT TO OPERATE ORANGE COUNTY SANITATION DISTRICT

PERMIT TO OPERATE

Permit No. TBD
A/N 512830

Equipment Description:

STORAGE TANK, FIXED ROOF, ID NO. 10ITNK037 (P1 HEADWORKS), HYDROCHLORIC ACID, 12' - 0" DIA. X 10' - 0" H., 8,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 2,000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]
5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

FACILITY PERMIT TO OPERATE ORANGE COUNTY SANITATION DISTRICT

PERMIT TO OPERATE

Permit No. TBD
A/N 512831

Equipment Description:

STORAGE TANK, FIXED ROOF, ID NO. 11ITNK100 (P1 PRIMARY), HYDROCHLORIC ACID, 6' - 0" DIA. X 11' - 0" H., 2,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 2,000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]
5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 1	PAGE 1
	APPL NO 514393	DATE 1/18/2011
	PROCESSED BY GCR	CHECKED BY

TITLE V PERMIT (REV 03) EVALUATION
(De-Minimis Significant Revision)

APPLICANT'S NAME: ORANGE COUNTY SANITATION DISTRICT (OCSD)

MAILING ADDRESS: 10844 ELLIS AVENUE
FOUNTAIN VALLEY, CA 92708
ATTN.: TERRY AHN, REGULATORY SPECIALIST

EQUIPMENT ADDRESS: SAME AS ABOVE

FACILITY ID NO.: 017301

Background:

This application 514193 was submitted for Title V permit revision (No. 3) on 09/08/2010. In addition, Orange County Sanitation District (OCSD) submitted two (2) applications (512830 and 512831) for permit to operate existing acid storage tanks vented to the carbon drum (Under Rule 310- Amnesty for Unpermitted Equipment).

Title V revision (02), Administrative Revision (Section D), was issued August 27, 2010.

Evaluation:

A/Ns 5122830 & 512831 are for permits to operate the existing acid storage tanks (8000 and 2000 gallons respectively) with passive carbon adsorbers. These applications were submitted under the provision of Rule 310 – Amnesty for Unpermitted Equipment, thereby not subject to higher fees for PO no PC.

The proposed revision is considered a de-minimis significant revision due to negligible PM10 emission and includes following permits under Section D. Public notice is not required; however, it is subject to EPA 45-day review and comment period. For further information, please refer to the evaluations included in folder.

PERMIT TO OPERATE: Section D

<u>Application No.</u>	<u>Description</u>
512830	Acid Storage Tank (HCl), 8,000 gallons, with a passive carbon adsorber
512831	Acid Storage Tank (HCl), 2,000 gallons, with a passive carbon adsorber

Rules Evaluation:

Compliance with a Reg. XXX -Title V permits and applicable rules and regulations is expected.

Conclusions & Recommendations:

Issue the revised Title V permit (Revision 03, Sec. D) upon completion of 45-day EPA review and commenting period.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 1
	APPL NO 512830R, 512831R	DATE 1/19/2011
	PROCESSED BY GCR	CHECKED BY

PERMIT TO OPERATE EVALUATION

APPLICANT'S NAME: ORANGE COUNTY SANITATION DISTRICT (OCSD)

MAILING ADDRESS: 10844 ELLIS AVENUE
FOUNTAIN VALLEY, CA 92708-7018
ATTN.: TERRY AHN, REGULATORY SPECIALIST

EQUIPMENT ADDRESS: SAME AS ABOVE (PLANT NO. 1)

FACILITY ID.: 017301

APPLICATION NO.512830:

EQUIPMENT DESCRIPTION:

STORAGE TANK, FIXED ROOF, ID NO. 10ITNK037 (P1 HEADWORKS), HYDROCHLORIC ACID, 12' - 0" DIA. X 10' - 0" H., 8,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

APPLICATION NO. 512831:

EQUIPMENT DESCRIPTION:

STORAGE TANK, FIXED ROOF, ID NO. 11ITNK100 (P1 PRIMARY), HYDROCHLORIC ACID, 6' - 0" DIA. X 11' - 0" H., 2,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

CONDITIONS: (512830 / 512831)

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 2000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 2
	APPL NO 512830R, 512831R	DATE 1/19/2011
	PROCESSED BY GCR	CHECKED BY

5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

BACKGROUND:

On 7/22/2010, Orange County Sanitation District (OCSD) submitted above applications for permits to operate the existing HCl-acid storage tanks, at their Plant 1, for the headworks (512830) and primary treatment process (512831). These applications were submitted under the provision of Rule 310 (Amnesty for unpermitted equipment) and, hence, not subject to higher fees for PO no PC.

This is a Title V facility. A/N 514393 is also filed for the TV Revision. Most recent administrative revision to the Title V facility permit was issued August 27, 2010 (Section D, Rev 02).

PROCESS DESCRIPTION:

The existing headworks and primary treatment processes consist of chemical scrubbers where recirculating scrubbing liquid trickles down through the packed bed and contacts the foul air which is passed up through the bed to remove odors. NaOH and NaOCl solutions used for the scrubber and HCl is used for periodic cleaning of the packed bed to remove hardwater deposits and chemical buildup.

EMISSIONS:

A/N 512830: (8000 gal. Tank)

Working loss: 4000

Acid filling rate: 2000 gallon truck delivery, pumped at @ 50 gpm, 3 times a year (40 minutes/event)
Annual throughput = 10,400 gal (permit condition) per OCSD 10/14/2010 E-mail.

$$\begin{aligned}
 L_w &= (F)(1 \text{ cft}/7.48 \text{ gal})(1 \text{ lb-mole}/380 \text{ cf})(M_v)(P/14.7 \text{ psia}) \\
 &= 2.4 \times 10^{-5} \times F \times P \times M_v \\
 &= 2.4 \text{ E-}05 \times 2000 \times 2.90 \times 36.5
 \end{aligned}$$

$$\begin{aligned}
 L_w &= \mathbf{5.08 \text{ lbs HCl/day}} \text{ (with no vapor return line to truck and vapor venting to passive C-drum)} \\
 &= 5.08 \text{ lbs/mo.}
 \end{aligned}$$

10.1.11

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 3
	APPL NO 512830R, 512831R	DATE 1/18/2011
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- L_w = working loss (lb/day)
 F = filling rate (gal/day), 2000 gal/day (40 min filling time, once every 4-month)
 P = true vapor pressure (psia)
 = 150 mm Hg @ 20 deg C, **max. 37.14% HCl (23⁰ Be)**
 = 2.90 psia
 M_v = molecular weight of vapor (lb/lb-mole) = 36.5

Breathing loss:

$$L_B = (V_o)(\Delta T/T_{avg})(1/v)(P/14.7)(M_v)$$

L_B = breathing loss (lb/day)

V_o = volume of vapor above liquid surface (cf)
 = 50% of max tank vol of 1130 cf = **565 cf**

ΔT = average daily temperature change (deg R or F) = **25 deg R**

T_{avg} = average daily temperature (deg R) = 65 + 460 = **525 deg R**

$(V_o)(\Delta T/T_{avg})$ = Vol of vapor expelled from the tank due to avg. temp. change (cft)

P = true vapor pressure (Psia) = **2.90 psia @ 20 deg C**

$$\begin{aligned}
 V &= 10.73(\text{FT}^3 \text{ Psia/lbmole } ^\circ\text{R}) T_{AV} (^\circ\text{R}) (1/14.7 \text{ psia}) \\
 &= (10.73) (525)/14.7 \\
 &= 383.21
 \end{aligned}$$

$$(1/v) = 1/383.21 = 0.0026$$

M_v = molecular weight of vapor (lb/lb-mole) = **36.5**

$$\begin{aligned}
 L_B &= (565) (25/525) (0.0026) (2.90/14.7) (36.5) \\
 &= \mathbf{0.50 \text{ lbs/day}}
 \end{aligned}$$

$$= 0.50 \times 30 = 15 \text{ lbs/mo}$$

Total uncontrolled HCl emission = ~~5.1~~ + 15.0 = 20.1 lbs/mo = 0.67 lbs/day = ~~0.028~~ lbs/hr

At 99% control efficiency* for Carbon per OCSD E-mail information, Oct. 15, 2010),

$$= 20.1 \times (1.0 - 0.99) \approx 0.201$$

Controlled emission = 0.096 lb/mo = 0.0032 lb/day = 0.0001 lb/hr

No offset required. $0.251 \text{ lbs/month} = 0.0084 \text{ lbs/day} = 0.017 \text{ lbs/hr (2 hrs to fill)}$

A/N 512831: (2000 gal. Tank)

The emissions can be assessed using the following equations:

Working loss:

Acid filling rate: 2000 gallon truck delivery, pumped at @ 50 gpm, 3 times a year (40 minutes/event)
 Annual throughput = 7,800 gal (permit condition) per OCSD 10/14/2010 E-mail.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 4
	APPL NO 512830R, 512831R	DATE 1/18/2011
	PROCESSED BY GCR	CHECKED BY

$$\begin{aligned}
 L_w &= (F)(1 \text{ cft}/7.48 \text{ gal})(1 \text{ lb-mole}/380 \text{ cf})(M_v)(P/14.7 \text{ psia}) \\
 &= 2.4 \times 10^{-5} \times F \times P \times M_v \\
 &= 2.4 \text{ E-}05 \times 2000 \times 2.90 \times 36.5
 \end{aligned}$$

$$\begin{aligned}
 L_w &= \mathbf{5.08 \text{ lbs HCl/day}} \text{ (with no vapor return line to truck and vapor venting to passive C-drum)} \\
 &= 5.08 \text{ lb/mo.} \quad (5.08)(2) = 10.16 \text{ lbs/month} \\
 &\quad \uparrow \text{ 2 deliveries}
 \end{aligned}$$

L_w = working loss (lb/day)

F = filling rate (gal/day), 2000 gal/day (40 min filling time, once every 4-month)

P = true vapor pressure (psia)
= 150 mm Hg @ 20 deg C, **max. 37.14% HCl (23⁰ Be)**
= 2.90 psia

M_v = molecular weight of vapor (lb/lb-mole) = 36.5

Breathing loss:

$$L_B = (V_o)(\Delta T/T_{avg})(1/v)(P/14.7)(M_v)$$

L_B = breathing loss (lb/day)

V_o = volume of vapor above liquid surface (cf)
= 50% of max tank vol of 311 cf = **155 cf**

ΔT = average daily temperature change (deg R or F) = **25 deg R**

T_{avg} = average daily temperature (deg R) = 65 + 460 = **525 deg R**

$(V_o)(\Delta T/T_{avg})$ = Vol of vapor expelled from the tank due to avg. temp. change (cft)

P = true vapor pressure (Psia) = **2.90 psia @ 20 deg C**

$$\begin{aligned}
 V &= 10.73(\text{FT}^3 \text{ Psia}/\text{lbmole } ^\circ\text{R}) T_{AV} (^\circ\text{R}) (1/14.7 \text{ psia}) \\
 &= (10.73)(525)/14.7 \\
 &= 383.21
 \end{aligned}$$

$$(1/v) = 1/383.21 = \mathbf{0.0026}$$

M_v = molecular weight of vapor (lb/lb-mole) = **36.5**

$$\begin{aligned}
 L_B &= (155)(25/525)(0.0026)(2.90/14.7)(36.5) \\
 &= \mathbf{0.14 \text{ lbs/day}}
 \end{aligned}$$

$$= 0.14 \times 30 = 4.2 \text{ lbs/mo.} \quad \text{10.16} \quad \text{14.36} \quad \text{0.47} \quad \text{0.47 lbs/hr}$$

Total uncontrolled HCl emission = 5.1 + 4.2 = 9.3 lbs/mo = 0.31 lb/day = ~~0.013 lb/hr~~
 At 99% control efficiency for Carbon (per OCSD E-mail information, Oct. 15, 2010),
 = 5.24 x (1.0 - 0.99)

Controlled emission = ~~0.003 lb/mo~~ = 0.0031 lb/day = 0.0001 lb/hr

No offset required. $0.1436 = 0.0047 \text{ lbs/day} = 0.0047 \text{ lbs/hr}$

RULES EVALUATION:

Rule 212:

There are no schools within 1/4 mile of the emission source.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 5
	APPL NO 512830R, 512831R	DATE 1/18/2011
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HCl is non-carcinogenic- no risk. No public notice required. Compliance is expected.

Rule 401 (Visible Emissions):

With proper operation, maintenance and control of equipment compliance is expected.

Rule 402 (Nuisance):

With proper operation, maintenance and control of equipment compliance is expected.

Regulation XIII:

Whenever tank is filled and breathing, displaced vapors will be venting through the granular carbon media with assumed control efficiency of 99%.

No modeling or offsets is required. Compliance is expected.

Rule 1401:

HCl is not carcinogenic, no health risk.

Controlled HCl emission is less than chronic (298 lbs/yr) and acute (1.05 bs/hr), worst-case at 25 meters receptor, Screening Emission Levels listed under Table-1A. No further HIC/HIA evaluation is required. Compliance is expected.

Rule 1401.1:

Not applicable as this is an existing facility.

REG. XXX:

Compliance is expected. Title V revision A/N 514393 is filed to include these two permits (A/Ns 512830 & 512831).

Recommendations:

A permit to operate is recommended, for each of the above application, with proposed conditions listed on Pgs. 1-2.

Upon approval of these permits, it should be included under TV Revision (03), Section D.

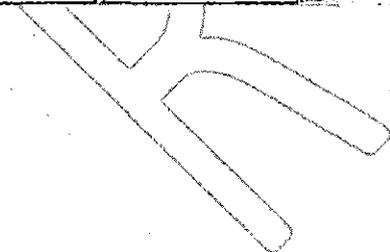
Facility ID: 7301 ORANGE COUNTY SANITATION DISTRICT

Title-V Group details

Application Number: 514393 Application Track: DE MINIMUS SIGNIFICANT TITLE V PERMIT REVISIONS
 Application Type: 56 Application Type Desc: De minimis Significant permit revision

Group Tracking details

	Application Task	Mandatory?	Close Reason	Close Date	Comments	Close User Id
001	TITLE V APPLICATION PR	Mandatory	APPLICATION PROCESSIN	09/24/2010	COMPLETE EVALN. SUBMIT FOR SUPV & EPA REVIEW	gourangr
008	AQMD PREPARES PROP	Mandatory	APPLICATION PROCESSIN	09/24/2010	RECOMMENDED FOR EPA REVIEW	gourangr
007	45 DAY REVIEW - SEND	Mandatory	TRACK CHANGE	10/21/2010	REVSD. RESUBIT FOR REVIEW & READY FOR EPA	gourangr
012	EPA OBJECTS TO PROP	Selective		00/00/0000		
009	EPA APPROVES PERMIT	Selective		00/00/0000		



10/21/2010

N S R D A T A S U M M A R Y S H E E T

Application No: 514393
Application Type: De minimis Significant permit revision
Application Status: PENDAPPRV
Previous Apps, Dev, Permit #: NONE

Company Name: ORANGE COUNTY SANITATION DISTRICT
Company ID: 17301
Address: 10844 ELLIS AVE, FOUNTAIN VALLEY, CA 92708
RECLAIM: NO
RECLAIM Zone: 01
Air Basin: SC
Zone: 18
Title V: YES

Device ID: 0 - TITLE-V
Estimated Completion Date:
Heat Input Capacity: 0 Million BTU/hr
Priority Reserve: NONE - No Priority Access Requested
Recommended Disposition: 32 - BANKING/ PLAN GRANTED
PR Expiration:
School Within 1000 Feet: NO
Operating Weeks Per Year: 52
Operating Days Per Week: 5
Monday Operating Hours: 08:00 to 16:00
Tuesday Operating Hours: 08:00 to 16:00
Wednesday Operating Hours: 08:00 to 16:00
Thursday Operating Hours: 08:00 to 16:00
Friday Operating Hours: 08:00 to 16:00
Saturday Operating Hours: 00:00 to 00:00
Sunday Operating Hours: 00:00 to 00:00

Emittant: PM10
BACT:
Cost Effectiveness: NO
Source Type: MINOR
Emis Increase: 0
Modeling: N/A
Public Notice: N/A
CONTROLLED EMISSION
Max Hourly: 0 lbs/hr
Max Daily: 0 lbs/day
UNCONTROLLED EMISSION
Max Hourly: 0 lbs/hr
Max Daily: 0 lbs/day
CURRENT EMISSION
BACT 30 days Avg: 0 lbs/day
Annual Emission: 0 lbs/yr
District Exemption: None

SUPERVISOR'S APPROVAL: _____ SUPERVISOR'S REVIEW DATE: _____

Processed By: gaurangr 10/21/2010 8:21:39 AM

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 1	PAGE 1
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	PROCESSED BY GCR	CHECKED BY

TITLE V PERMIT (REV 03) EVALUATION
(De-Minimis Significant Revision)

APPLICANT'S NAME: ORANGE COUNTY SANITATION DISTRICT (OCSD)

MAILING ADDRESS: 10844 ELLIS AVENUE
FOUNTAIN VALLEY, CA 92708
ATTN.: TERRY AHN, REGULATORY SPECIALIST

EQUIPMENT ADDRESS: SAME AS ABOVE

FACILITY ID NO.: 017301

Background:

This application 514193 was submitted for Title V permit revision (No. 3) on 09/08/2010. In addition, Orange County Sanitation District (OCSD) submitted two (2) applications (512830 and 512831) for permit to operate existing acid storage tanks vented to the carbon drum (Under Rule 310- Amnesty for Unpermitted Equipment).

Title V revision (02), Administrative Revision (Section D), was issued August 27, 2010.

Evaluation:

A/Ns 5122830 & 512831 are for permits to operate the existing acid storage tanks (8000 and 2000 gallons respectively) with passive carbon adsorbers. These applications were submitted under the provision of Rule 310 – Amnesty for Unpermitted Equipment, thereby not subject to higher fees for PO no PC.

The proposed revision is considered a de-minimis significant revision due to negligible PM10 emission and includes following permits under Section D. Public notice is not required; however, it is subject to EPA 45-day review and comment period. For further information, please refer to the evaluations included in folder.

PERMIT TO OPERATE: Section D

<u>Application No.</u>	<u>Description</u>
512830	Acid Storage Tank (HCl), 8,000 gallons, with a passive carbon adsorber
512831	Acid Storage Tank (HCl), 2,000 gallons, with a passive carbon adsorber

Rules Evaluation:

Compliance with a Reg. XXX -Title V permits and applicable rules and regulations is expected.

Conclusions & Recommendations:

Issue the revised Title V permit (Revision 03, Sec. D) upon completion of 45-day EPA review and commenting period.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 1
	APPL NO 512830R, 512831R	DATE 1/18/2011
	PROCESSED BY GCR	CHECKED BY AO

PERMIT TO OPERATE EVALUATION

APPLICANT'S NAME: ORANGE COUNTY SANITATION DISTRICT (OCSD)

MAILING ADDRESS: 10844 ELLIS AVENUE
FOUNTAIN VALLEY, CA 92708-7018
ATTN.: TERRY AHN, REGULATORY SPECIALIST

EQUIPMENT ADDRESS: SAME AS ABOVE (PLANT NO. 1)

FACILITY ID.: 017301

APPLICATION NO.512830:

EQUIPMENT DESCRIPTION:

STORAGE TANK, FIXED ROOF, ID NO. 10ITNK037 (P1 HEADWORKS), HYDROCHLORIC ACID, 12' - 0" DIA. X 10' - 0" H., 8,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

APPLICATION NO. 512831:

EQUIPMENT DESCRIPTION:

STORAGE TANK, FIXED ROOF, ID NO. 11ITNK100 (P1 PRIMARY), HYDROCHLORIC ACID, 6' - 0" DIA. X 11' - 0" H., 2,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

CONDITIONS: (512830 / 512831)

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 2000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 5	PAGE 2
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5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

BACKGROUND:

On 7/22/2010, Orange County Sanitation District (OCSD) submitted above applications for permits to operate the existing HCl-acid storage tanks, at their Plant 1, for the headworks 9512830) and primary treatment process (512831) . These applications were submitted under the provision of Rule 310 (Amnesty for unpermitted equipment) and, hence, not subject to higher fees for PO no PC.

This is a Title V facility. A/N 514393 is also filed for the TV Revision. Most recent administrative revision to the Title V facility permit was issued August 27, 2010 (Section D, Rev 02).

PROCESS DESCRIPTION:

The existing headworks and primary treatment processes consist of chemical scrubbers where recirculating scrubbing liquid trickles down through the packed bed and contacts the foul air which is passed up through the bed to remove odors. NaOH and NaOCl solutions used for the scrubber and HCl is used for periodic cleaning of the packed bed to remove hardwater desposits and chemical buildup.

EMISSIONS:

A/N 512830: (8000 gal. Tank)

Working loss:

Acid filling rate: 2000 gallon truck delivery, pumped at @ 50 gpm, 3 times a year (40 minutes/event)
Annual throughput = 10,400 gal (permit condition) per OCSD 10/14/2010 E-mail.

$$\begin{aligned}
 L_w &= (F)(1 \text{ cft}/7.48 \text{ gal})(1 \text{ lb-mole}/380 \text{ cf})(M_v)(P/14.7 \text{ psia}) \\
 &= 2.4 \times 10^{-5} \times F \times P \times M_v \\
 &= 2.4 \text{ E-}05 \times 2000 \times 2.90 \times 36.5
 \end{aligned}$$

$$\begin{aligned}
 L_w &= \mathbf{5.08 \text{ lbs HCl /day}} \text{ (with no vapor return line to truck and vapor venting to passive C-drum)} \\
 &= 5.08 \text{ lbs/mo.}
 \end{aligned}$$

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- L_w = working loss (lb/day)
 F = filling rate (gal/day), 2000 gal/day (40 min filling time, once every 4-month)
 P = true vapor pressure (psia)
 = 150 mm Hg @ 20 deg C, **max. 37.14% HCl (23° Be)**
 = 2.90 psia
 M_v = molecular weight of vapor (lb/lb-mole) = 36.5

Breathing loss:

$$L_B = (V_o)(\Delta T/T_{avg})(1/v)(P/14.7)(M_v)$$

L_B = breathing loss (lb/day)

V_o = volume of vapor above liquid surface (cf)
 = 50% of max tank vol of 1130 cf = **565 cf**

ΔT = average daily temperature change (deg R or F) = **25 deg R**

T_{avg} = average daily temperature (deg R) = 65 + 460 = **525 deg R**

$(V_o)(\Delta T/T_{avg})$ = Vol of vapor expelled from the tank due to avg. temp. change (cft)

P = true vapor pressure (Psia) = **2.90 psia @ 20 deg C**

$$\begin{aligned}
 V &= 10.73(\text{FT}^3 \text{ Psia/ lbmole } ^\circ\text{R}) T_{AV} (^{\circ}\text{R}) (1/14.7 \text{ psia}) \\
 &= (10.73) (525)/14.7 \\
 &= 383.21
 \end{aligned}$$

$$(1/v) = 1/383.21 = 0.0026$$

M_v = molecular weight of vapor (lb/lb-mole) = **36.5**

$$\begin{aligned}
 L_B &= (565) (25/525) (0.0026) (2.90/14.7) (36.5) \\
 &= 0.50 \text{ lbs/day} \\
 &= 0.50 \times 30 = 15 \text{ lbs/mo}
 \end{aligned}$$

Total uncontrolled HCl emission = 5.1 + 15.0 = 20.1 lbs/mo = 0.67 lbs/day = 0.028 lbs/hr

At 99% control efficiency* for Carbon per OCSD E-mail information, Oct. 15, 2010),
 = 5.60 x (1.0 - 0.99)

Controlled emission = 0.096 lb/mo = 0.0032 lb/day = 0.0001 lb/hr

No offset required.

A/N 512831: (2000 gal. Tank)

The emissions can be assessed using the following equations:

Working loss:

Acid filling rate: 2000 gallon truck delivery, pumped at @ 50 gpm, 3 times a year (40 minutes/event)
 Annual throughput = 7,800 gal (permit condition) per OCSD 10/14/2010 E-mail.

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$$\begin{aligned}
 L_w &= (F)(1 \text{ cft}/7.48 \text{ gal})(1 \text{ lb-mole}/380 \text{ cf})(M_v)(P/14.7 \text{ psia}) \\
 &= 2.4 \times 10^{-5} \times F \times P \times M_v \\
 &= 2.4 \text{ E-}05 \times 2000 \times 2.90 \times 36.5
 \end{aligned}$$

$$\begin{aligned}
 L_w &= \mathbf{5.08 \text{ lbs HCl/day}} \text{ (with no vapor return line to truck and vapor venting to passive C-drum)} \\
 &= 5.08 \text{ lb/mo.}
 \end{aligned}$$

L_w = working loss (lb/day)

F = filling rate (gal/day), 2000 gal/day (40 min filling time, once every 4-month)

P = true vapor pressure (psia)

= 150 mm Hg @ 20 deg C, max. 37.14% HCl (23° Be)

= 2.90 psia

M_v = molecular weight of vapor (lb/lb-mole) = 36.5

Breathing loss:

$$L_B = (V_o)(\Delta T/T_{avg})(1/v)(P/14.7)(M_v)$$

L_B = breathing loss (lb/day)

V_o = volume of vapor above liquid surface (cf)

= 50% of max tank vol of 311 cf = **155 cf**

ΔT = average daily temperature change (deg R or F) = **25 deg R**

T_{avg} = average daily temperature (deg R) = 65 + 460 = **525 deg R**

$(V_o)(\Delta T/T_{avg})$ = Vol of vapor expelled from the tank due to avg. temp. change (cft)

P = true vapor pressure (Psia) = **2.90 psia @ 20 deg C**

$$\begin{aligned}
 V &= 10.73 (FT^3 \text{ Psia}/\text{lbmole } ^\circ R) T_{AV} (^\circ R) (1/14.7 \text{ psia}) \\
 &= (10.73) (525)/14.7 \\
 &= 383.21
 \end{aligned}$$

$$(1/v) = 1/383.21 = 0.0026$$

M_v = molecular weight of vapor (lb/lb-mole) = **36.5**

$$\begin{aligned}
 L_B &= (155) (25/525) (0.0026) (2.90/14.7) (36.5) \\
 &= \mathbf{0.14 \text{ lbs/day}} \\
 &= 0.14 \times 30 = 4.2 \text{ lbs/mo.}
 \end{aligned}$$

Total uncontrolled HCl emission = 5.1 + 4.2 = 9.3 lbs/mo = 0.31 lb/day = 0.013 lb/hr

At 99% control efficiency for Carbon (per OCSD E-mail information, Oct. 15, 2010),

$$= 5.24 \times (1.0 - 0.99)$$

Controlled emission = 0.093 lb/mo = 0.0031 lb/day = 0.0001 lb/hr

No offset required.

RULES EVALUATION:

Rule 212:

There are no schools within 1/4 mile of the emission source.

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HCl is non-carcinogenic- no risk. No public notice required. Compliance is expected.

Rule 401 (Visible Emissions):

With proper operation, maintenance and control of equipment compliance is expected.

Rule 402 (Nuisance):

With proper operation, maintenance and control of equipment compliance is expected.

Regulation XIII:

Whenever tank is filled and breathing, displaced vapors will be venting through the granular carbon media with assumed control efficiency of 99%.

No modeling or offsets is required. Compliance is expected.

Rule 1401:

HCl is not carcinogenic, no health risk.

Controlled HCl emission is less than chronic (298 lbs/yr) and acute (1.05 bs/hr), worst-case at 25 meters receptor, Screening Emission Levels listed under Table-1A. No further HIC/HIA evaluation is required. Compliance is expected.

Rule 1401.1:

Not applicable as this is an existing facility.

REG. XXX:

Compliance is expected. Title V revision A/N 514393 is filed to include these two permits (A/Ns 512830 & 512831).

Recommendations:

A permit to operate is recommended, for each of the above application, with proposed conditions listed on Pgs. 1-2.

Upon approval of these permits, it should be included under TV Revision (03), Section D.

FACILITY PERMIT TO OPERATE ORANGE COUNTY SANITATION DISTRICT

PERMIT TO OPERATE

Permit No. TBD
A/N 512830

Equipment Description:

STORAGE TANK, FIXED ROOF, ID NO. 10ITNK037 (P1 HEADWORKS), HYDROCHLORIC ACID, 12' - 0" DIA. X 10' - 0" H., 8,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 2,000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]
5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

FACILITY PERMIT TO OPERATE ORANGE COUNTY SANITATION DISTRICT

PERMIT TO OPERATE

Permit No. TBD
A/N 512831

Equipment Description:

STORAGE TANK, FIXED ROOF, ID NO. 11ITNK100 (P1 PRIMARY), HYDROCHLORIC ACID, 6' - 0" DIA. X 11' - 0" H., 2,000-GALLON CAPACITY AND VENTING THROUGH A 55-GALLON DRUM CONTAINING (50% SULPHASORB XL AND 50% SAFETYSORB BLEND OR EQUAL) ACTIVATED CARBON.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL STORE HYDROCHLORIC ACID WITH CONCENTRATION OF 38 WEIGHT PERCENT OR LESS ONLY.
[RULE 204]
4. THE MAXIMUM AMOUNT OF HYDROCHLORIC ACID FILLED INTO THIS STORAGE TANK SHALL NOT EXCEED 2,000 GALLONS PER MONTH.
[RULE 1303 (b) (1) - OFFSET]
5. THIS EQUIPMENT SHALL NOT BE FILLED UNLESS THE VENT GASES PASS THROUGH A 55-GALLON DRUM CONTAINING ACTIVATED CARBON.
[RULE 1303 (a) (1)-BACT]
6. THE OPERATOR SHALL REPLACE THE CARBON PER MANUFACTURER'S RECOMMENDATION.
[RULE 204]
7. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 204]

Gaurang Rawal

From: Ahn, Terry [tahn@ocsd.com]
Sent: Friday, October 15, 2010 8:41 AM
To: Gaurang Rawal
Cc: Kogan, Vlad
Subject: RE: Acid Storage Tanks, proposed Permits

Hi Gaurang,

I'm sorry I couldn't get back to you yesterday I was out of the office pretty much all day. I was told that for bigger tanks like P2 NSC and P2-66 tanks, the acid is typically delivered by 5,000 gallon trucks with filling rate of 250 gpm. Also, the carbon supplier claims 99% treatment efficiency.

Please let me know if you have any questions.

Terry

From: Gaurang Rawal [mailto:grawal@aqmd.gov]
Sent: Thursday, October 14, 2010 10:27 AM
To: Ahn, Terry
Cc: Kogan, Vladimir
Subject: RE: Acid Storage Tanks, proposed Permits

Terry,

FYI...

For each acid tank I will use the proposed filling rate with application. i.e. 2000 gallon truck delivery and a filling rate at 50 gpm. Higher throughput rates will require frequent filling times with impact on emission (working loss).

Gaurang

From: Ahn, Terry [mailto:tahn@ocsd.com]
Sent: Thursday, October 14, 2010 8:41 AM
To: Gaurang Rawal
Cc: Kogan, Vlad
Subject: RE: Acid Storage Tanks, proposed Permits

Gaurang,

I applied 30% increase across the board for the first four tanks listed below. For P2-66 (A/N 512604), I simply multiplied the monthly limit by 12 to change it to the annual limit.

A/N	Current Limit	Proposed Limit (gal/yr)
P1 Headworks (A/N 512830)	8,000 gal/yr	10,400
P1 Primary (A/N 512931)	6,000 gal/yr	7,800
P2 NSC (A/N 512832)	10,000 gal/yr	13,000
P2 SSC (A/N 512833)	4,000 gal/yr	5,200
P2 P2-66 (A/N 512604)	6,000 gal/mo	72,000

For P2-66 (A/N 512604) permit, please don't forget to consider the following comment:

- Condition 8: Change pH of 7 to pH of 6. The plant water (source water for the sparger) has pH of approximately 7. Then, the water would become slightly acidic with the usage before it is replaced with fresh water.

Thanks,

Terry

From: Gaurang Rawal [mailto:gawal@aqmd.gov]
Sent: Wednesday, October 13, 2010 4:19 PM
To: Ahn, Terry
Cc: Kogan, Vladimir
Subject: RE: Acid Storage Tanks, proposed Permits

Terry,

Please give me specific number for EACH acid storage tank, to consider for revision and finalize the respective permits.
Thanks.

Gaurang

From: Ahn, Terry [mailto:tahn@ocsd.com]
Sent: Wednesday, October 13, 2010 2:12 PM
To: Gaurang Rawal
Cc: Kogan, Vlad
Subject: RE: Acid Storage Tanks, proposed Permits

Gaurang,

I had our Operations staff compare the proposed limits with the historical usage. They re-emphasized the fact the proposed limits are very close to the actual usage and may be exceeded in the future. Their request is that the proposed limits be increased by 20 to 30% across the board. The proposed limit for P2 NSC (A/N 512832) is especially vulnerable for violation and 30% minimum increase is requested.

Please let me know if you require more information and thank you for your cooperation.

Terry

From: Ahn, Terry
Sent: Wednesday, October 06, 2010 9:56 AM
To: 'Gaurang Rawal'
Cc: 'Amir Dejbakhsh'; 'Charles Tupac'; Kogan, Vladimir; Rothbart, Lisa
Subject: FW: Acid Storage Tanks, proposed Permits

Hi Gaurang,

Thank you for processing our application promptly and the opportunity to review the draft permits. I had our Operations folks review the permits and everyone raised a huge issue with the acid usage limits which are as follows:

P1 Headworks (A/N 512830) - 8,000 gallons per year
P1 Primary (A/N 512931) - 6,000 gallons per year
P2 NSC (A/N 512832) - 10,000 gallons per year
P2 SSC (A/N 512833) - 4,000 gallons per year
P2 P2-66 (A/N 512604) - 6,000 gallons per month

It looks like these limits were taken from the annual throughput data provided in the application. The problem is that this data is based on 2009 usage. Even though our Operations try to minimize the acid usage for safety reasons there are times when more acid must be used to clean the scrubbers. For example, at P2 the usage as of September of this year is already close to 10,000 gallons at NSC and 3,000 gallons at SSC.

The sample emission calculation provided in the application was for P1 Headworks. In this calculation, it was assumed that the potential acute health impact occurs during filling of the tank and the potential chronic health impact occurs mainly due to the tank breathing loss. The breathing loss was calculated based on the vapor space above the liquid (conservatively assuming tank is 50% full) and not based on the usage. The vapor loss during filling of the tank is dependent on the tank fill rate and the size of the tank and not the usage. Therefore, the total acid usage is somewhat irrelevant. On top of that, the sample calculation was based on no control. The carbon vendor has stated that the overall control efficiency is 99%. If the usage limits must be imposed in the permit, doubling the numbers above should meet our operational needs.

For P2-66 (A/N 512604) permit, we also offer the following comments:

- Condition 5: The limit should be based on annually not monthly. Since the chemical is delivered 4,000 gallons at a time, there will be times when two deliveries are needed in the same month.
- Condition 8: Change pH of 7 to pH of 6. The plant water (source water for the sparger) has pH of approximately 7. Then, the water would become slightly acidic with the usage before it is replaced with fresh water.

Let me emphasize that the draft permits should not be finalized with the existing acid usage limits. We'll be setup for permit violation. Please let me know if you have any questions or require further information.

Thanks,

Terry Ahn

Orange County Sanitation District
Environmental Compliance, Div 790
(714) 593-7082

From: Gaurang Rawal [mailto:grawal@aqmd.gov]
Sent: Friday, October 01, 2010 3:24 PM
To: Ahn, Terry
Cc: Charles Tupac; Amir Dejbakhsh
Subject: Acid Storage Tanks, proposed Permits

Terry,

Per our conversations today about the status of the OCSD permits, attached are the proposed DRAFT permits for the acid storage tanks (HCl) for the OCSD FV (2 permits) and HB plant (3 permits). Permits are submitted for internal review. These permits are part of the Title V revision and subject to EPA 45-day review.

Gaurang

Gaurang Rawal

From: Gaurang Rawal
Sent: Friday, September 24, 2010 10:03 AM
To: Merrill Hickman
Subject: Title V Application Grouping, ID 17301

Merrill,

Your assistance is requested for TV grouping,

OCSO, Fac. ID 17301

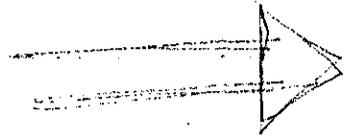
Title V Revision A/N 514393

Need to group A/Ns 512830 and 512831 – See below.

Please let me know when it is done. Thanks!



Gaurang Rawal
X 2543



September 22, 2010

TERRY AHN
ORANGE COUNTY SANITATION DISTRICT
P O BOX 8127
FOUNTAIN VALLEY, CA 92728

Facility ID: 17301
Located at: 10844 ELLIS AVE, FOUNTAIN VALLEY

Thank you for filing your application(s) with the South Coast Air Quality Management District (AQMD).

The application number(s) assigned by AQMD to your application package(s) is/are on Page 2 of this letter. Please refer to information on Page 2 when contacting AQMD for assistance. The information you submitted with your application(s) or in your latest submittal is complete to the extent that allows us to begin processing of your however some clarifying data may still be needed. The acceptance of your application(s) does not imply that permit(s) has/have been approved.

The engineer assigned to your application(s) will contact you if additional information is required.

If you have any questions or need additional information about your application(s), please contact the engineer listed below:

Engineer: GAURANG RAWAL

Telephone: (909) 396-2543

For general information about AQMD's permit process, please call (909) 396-2468.

cc: Application file(s)

AQMD PERMIT APPLICATION INFORMATION

(Please refer to this information when contacting AQMD for Assistance)

September 22, 2010

Facility ID: 17301

Application Number (s)	Equipment Description
514393	Title V Permit Revision

Permit Administration and Application Tracking System

File Edit Applications Permits Facilities Maintenance Reports Window Help

Pre-Screening Fee Assessment

Pre Screening Application

Facility Id: 17301 Appl Tracking Nbr: 514393 Facility On Hold:

Fac Name: ORANGE COUNTY SANITATION DISTRICT

Sic Code: 4952 Nbr Of Employees: 427 Gross Rcpts: \$0.00

Pre Screen Checks

Row	Appl Tracking Number	Appl Type	BCAT Number	CCAT Number	Equip Type	Appl Class	Appl Turnover Time	Prev Permit Nbr	Occur Date	Fbas	Est Start Date	Est Compl Date	Reloc Ind	Iden Equip	Current Fiscal Year	Initia Applica
1	514393	56	555007		Basic	CLASS 3	Time V		00/00/0000	861.520	00/00/0000	00/00/0000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Fac Team: A Enga. Id: GP011 Phone No: 9003982549 Select All Total: 861.52

Buttons: Calc Fee Deem Complete Pending Reject Cancel

Ready Start Inboxes: Microsoft Outlook Permit Administration and... Permit Administration ... 11:27 AM

De-minimis Sign. Rev.

9/22/2010

SAVE until AM Folder is received. Sept. 9, 2010

Plant-1 Fri 8/20/10
 Need to Rev fee \$861.52
 rec'd 9/8/10
 rec'd 400 A Form
 9/1/10 TIC@ Terry will ca @ rec.
 They are in a process of making due to some Reeng



South Coast Air Quality Management District
Form 400-A
Application For Permit To Construct and Permit To C

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit:
 Orange County Sanitation District

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 017301

3. Owner's Business Name (only if different from 1):

Section B: Equipment Location

4. Equipment Location Address:
 For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

10844 Ellis Avenue
 Street Address

Fountain Valley CA 92708 - 7018
 City State Zip Code

County: Los Angeles Orange San Bernardino Riverside

Contact Name: Terry Ahn
 Contact Title: Regulatory Specialist Phone: (714) 593-7082
 Fax: (714) 962-8379 E-Mail: tahn@ocsd.com

Section C: Permit

5. Permit:
 Check

Section D: Application Type The facility is in RECLAIM Title V RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- New Construction (Permit to Construct)
- Equipment Operating Without A Permit or Expired Permit*
- Administrative Change
- Equipment On-Site But Not Constructed or Operational
- Title V Application (Initial, Revisions, Modifications, etc.)
- Compliance Plan
- Facility Permit Amendment
- Registration/Certification
- Streamlined Standard Permit

Permitted Equipment Altered/ Modified Without Permit Approval*

Proposed Alteration/Modification to Permitted Equipment

Change of Condition For Permit To Operate

Change of Condition For Permit To Construct

Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:
 (If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY):

8. Description of Equipment:
 1) Storage Tank, Hydrochloric Acid, 8,000 Gallon Capacity, Vented to 55-Gallon Drum Scrubber
 2) Storage Tank, Hydrochloric Acid, 2,000 Gallon Capacity, Vented to 55 Gallon Drum Scrubber

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? No Yes

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each)

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?) No Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?
 No Yes If yes, provide NOV/NC #

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location?
 Municipal Wastewater Treatment

14. What is your business's primary NAICS Code (North American Industrial Classification System)? 221320

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? No Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? No Yes

Section F: Authorization/Signature I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: *James D. Ruth*

18. Title: General Manager

19. Print Name: James D. Ruth

20. Date: 7/7/10

Check List

- Form(s) signed and dated by authorized official
- Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- CEQA Form (400-CEQA) attached
- Payment for permit processing fee attached

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY		APPLICATION/TRACKING #		TYPE	EQUIPMENT CATEGORY CODE:	FEE SCHEDULE:	VALIDATION	
ENG. DATE	A R	ENG. DATE	A R	CLASS I III IV	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER #	AMOUNT \$	Tracking #

© South Coast Air Quality Management District, Form 400-A (2006.02)

To Rev. For AMs 512830, 512831 Acid Stg. Tanks.

ORANGE COUNTY
SANITATION DISTRICT

10844 Ellis Avenue
Fountain Valley, CA 92708-7018
(714) 962-2411

VENDOR NO. 15843 DATE: 08/25/10 CHECK NO. 1000033130

VENDOR NAME SOUTH COAST AIR QUALITY MGT RE

INVOICE NO.	INVOICE DATE	DESCRIPTION	GROSS AMOUNT	DISC. - ADJ.	PAYMENT AMOUNT
TITLE V REVISION	08/18/10	Add'l Fees	861.52		861.52
			AMOUNT - U.S. DOLLARS		\$*****861.52

CHECK IS VOID WITHOUT A GREEN & BLUE BORDER AND BACKGROUND PLUS A KNIGHT & FINGERPRINT WATERMARK ON THE BACK - HOLD AT ANGLE TO VIEW



ORANGE COUNTY
SANITATION DISTRICT
10844 ELLIS AVENUE
FOUNTAIN VALLEY, CA 92708-7018
(714) 962-2411

UNION BANK OF CALIFORNIA
GOVERNMENT SERVICES
18408 BROOKHURST STREET
FOUNTAIN VALLEY, CA 92708

DATE
08/25/10

CHECK NO.
1000033130

16-49/1220

AMOUNT - U.S. DOLLARS
\$*****861.52

PAY EIGHT HUNDRED SIXTY ONE AND 52/100*****

TO THE
ORDER OF

SOUTH COAST AIR QUALITY MGMT DIST
PO BOX 4943
DIAMOND BARR CA 91765-0943

VOID IF NOT CASHED WITHIN 90 DAYS

SIGNATURE AREA CONTAINS A KNIGHT & FINGERPRINT CHECK WORDING
U.S. PATENTS 5538290, 5575508, 5641183, 5785353, 5984364, 6030000

⑈ 1000033130 ⑈ ⑆ 122000496 ⑆ 2740013230 ⑈

ck rec'd 9/8/2010



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

August 27, 2010

Mr. James D. Ruth
General Manager
Orange County Sanitation District
PO Box 8127
Fountain Valley, CA 92728-8127

Subject: Administrative Revision to Title V Facility Permit
Fountain Valley, Plant 1 (Facility ID 017301)

Dear Mr. Ruth,

Enclosed please find an administrative revision to the Title V facility permit, for the Orange County Sanitation District (OCSD) Fountain Valley, Sewage Treatment Plant No. 1 (Facility ID 017301), located at 10844 Ellis Avenue, Fountain Valley, California. This revision does not require public notice or EPA review.

The administrative revision includes the final permit to operate for an air pollution control equipment for which a permit to construct (R-299283) was previously issued. There are no changes in the permit wording or conditions except for removal of terms or conditions that are no longer applicable.

This administrative permit revision includes Title Page (Rev 04), Table of Contents (Rev 04), Section D (Rev 02) and Section H (Rev 03).

The following application is added to Section D - Facility Equipment and Requirements, and removed from Section H - Permits to Construct and Temporary Permits to Operate.

Appl. No.	Description
299283	Air pollution control equipment, scrubber, for treatment of the primary basins' exhaust.

Please review the attached Sections D & H carefully. Insert the enclosed section(s) in your Title V Facility Permit and discard the earlier versions. Questions concerning this revised permit should be directed to Mr. Gaurang Rawal at (909) 396-2543.

The operation of your facility is bound by the conditions and/or requirements stated in your Facility Permit to Operate. If you determine any administrative errors, please contact Mr. Gaurang Rawal at the above number within 30 days of receipt of your permit.

Sincerely,

Jay Chen, P.E.

Senior AQ Engineering Manager
Refinery and Waste Management Permitting

JC: CDT: GCR

cc: w/ enclosure
Geraldo Rios, EPA Region IX
Compliance
Title V Central File

**FACILITY PERMIT TO OPERATE
ORANGE COUNTY SANITATION DISTRICT**

**Facility Equipment and Requirements
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

**FACILITY PERMIT TO OPERATE
ORANGE COUNTY SANITATION DISTRICT**

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application Number	Permit to Operate Number	Equipment Description	Page Number
299283	G9737	SCRUBBER, ODOR CONTROL FOR PRIMARY BASINS	4
06049A	M30530	GAS TURBINE, EMERGENCY, >= 0.3 MW	6
06050A	M30531	GAS TURBINE, EMERGENCY, >= 0.3 MW	7
133994	R-D11231	I C E (>500 HP) EMERGENCY ELEC GEN DIESEL	8
133995	R-D11232	I C E (>500 HP) EMERGENCY ELEC GEN DIESEL	9
134619	R-D11233	I C E (>500 HP) EMERGENCY ELEC GEN DIESEL	10
135464	R-D11234	I C E (>500 HP) EMERGENCY ELEC GEN DIESEL	11
13973X	743973	SPRAY BOOTH PAINT AND SOLVENT	12
223413	F00876	BOILER (5-20 MMBTU/HR) DIGESTER GAS	13
356878	F66565	SEWAGE TREATMENT (>5 MG/D) ANEROBIC	15
386679	F40906	SCRUBBER, ODOR CONTROL FOR DEWATERING	18
408166	F55982	I C E (>500 HP) EMERGENCY ELEC GEN DIESEL	19
428945	F68430	I C E (>500 HP) EMERGENCY ELEC GEN DIESEL	20
429662	F71054	FLARE, ENCLOSED LANDFILL/DIGESTER GAS	21
444109	F99404	SCRUBBER, ODOR CONTROL FOR HEADWORKS	26
459958	F94280	ODOR CONTROL UNIT FOR ELLIS PUMP STATION	28
486760	G2955	I C E (>500 HP) NAT & DIGESTER GAS	30
486792	G2956	I C E (>500 HP) NAT & DIGESTER GAS	33
486793	G2957	I C E (>500 HP) NAT & DIGESTER GAS	36

NOTE: APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

May 5, 2010

Mr. James D. Ruth
General Manager
Orange County Sanitation District
PO Box 8127
Fountain Valley, CA 92728-8127

Subject: Significant Revision to Title V Facility Permit, Revision No. 3.
Fountain Valley, Plant 1 (Facility ID 017301)

Dear Mr. Ruth,

Enclosed please find the De-Minimis Significant Revision (Section H, Revision on January 29, 2010) to the Title V facility permit, for the Orange County Sanitation District (OCSD) Fountain Valley, Sewage Treatment Plant No. 1 (Facility ID 017301), located at 10844 Ellis Avenue, Fountain Valley, California. On January 29, 2010, the South Coast Air Quality Management District (AQMD) issued draft permit for Environmental Protection Agency's (EPA) review, and no comments were received from EPA. No public notice was required.

The de-minimis significant revision includes Title Page, Table of Contents, and Section H.

Section H: Included Permit to Construct for A/N 504150 for modifications to odor control equipment permit, F94280.

Please review the attached pages carefully. Insert the enclosed section(s) in your Title V Facility Permit and discard the earlier versions. Questions concerning this revised permit should be directed to Mr. Gaurang Rawal at (909) 396-2543.

The operation of your facilities is bound by the conditions and/or requirements stated in your Facility Permit to Operate. If you determine any administrative errors, please contact Mr. Gaurang Rawal at the above number within 30 days of receipt of your permit.

Sincerely,

Jay Chen, P.E.
Senior AQ Engineering Manager
Refinery and Waste Management Permitting

JC: CDT: GCR

cc: w/ enclosure
Geraldo Rios, EPA Region IX
Compliance
Title V Central File
Title V Revision (No. 3) A/N 504320



To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

Section I - General Information

1. Facility Name: <u>ORANGE COUNTY SANITATION DISTRICT</u>	Facility ID (6-Digit): <u>17301</u>
--	-------------------------------------

PROCEDURES FOR DETERMINING COMPLIANCE STATUS

- Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
- Identify applicable requirements*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility.
The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
- Identify additional applicable requirements*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
- Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
- Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV provided that the non-SIP approved rule in Section II is at least as stringent as the older SIP-approved version in Section IV. **
- Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
- Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VIII, Regulation XII, Regulation XV, Regulation XVI, Regulation XIX, Regulation XXI, Regulation XXII, and Regulation XXX.

** Emission units adversely affected by the gap between current and SIP-approved versions of rules may initially be placed in a non-Title V portion of the permit

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 480 (10/07/77)	N/A	N/A
<input type="checkbox"/> All Coating Operations	<input type="checkbox"/> Rule 442 (12/15/00)	<input type="checkbox"/> Rule 442(f)	<input type="checkbox"/> Rule 442(g)
<input type="checkbox"/> All Combustion Equipment, ≥ 555 Mmbtu/Hr (except for NOx RECLAIM sources)	<input type="checkbox"/> Rule 474 (12/04/81)	<input type="checkbox"/> AQMD TM 7.1 or 100.1	
<input type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 407 (04/02/82) <input type="checkbox"/> Rule 409 (08/07/81)	<input type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.1 (06/12/98)	<input type="checkbox"/> Rule 431.1(f)	<input type="checkbox"/> Rule 431.1(d) & (e)
<input type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.2 (09/15/00)	<input type="checkbox"/> Rule 431.2(g)	<input type="checkbox"/> Rule 431.2(f)
<input type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.3 (05/07/76)		
<input checked="" type="checkbox"/> All Equipment	<input checked="" type="checkbox"/> Rule 401 (11/09/01) <input type="checkbox"/> Rule 405 (02/07/86) <input checked="" type="checkbox"/> Rule 408 (05/07/76) <input checked="" type="checkbox"/> Rule 430 (07/12/96) <input checked="" type="checkbox"/> Rule 701 (06/13/97) <input checked="" type="checkbox"/> New Source Review, BACT <input type="checkbox"/> Rule 1703 (10/07/88) <input type="checkbox"/> 40 CFR68 - Accidental Release Prevention	<input type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 N/A See Applicable Subpart	<input type="checkbox"/> Rule 430(b) See Applicable Subpart
<input type="checkbox"/> All Equipment Processing Solid Materials	<input type="checkbox"/> Rule 403 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f)
<input type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1)	<input type="checkbox"/> Rule 404 (02/07/86)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input type="checkbox"/> All Facilities Using Solvents to Clean Various Items or Equipment	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> All RECLAIM Equipment (NOx & SOx)	<input type="checkbox"/> Reg. XX - RECLAIM	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input type="checkbox"/> Rule 2012, App. A (12/05/03)	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input type="checkbox"/> Rule 2012, App. A (12/05/03)
<input type="checkbox"/> Abrasive Blasting	<input type="checkbox"/> Rule 1140 (08/02/85)	<input type="checkbox"/> Rule 1140(d) & (e), AQMD Visible Emission Method	
<input type="checkbox"/> Aggregate and Related Operations	<input type="checkbox"/> Rule 1157 (01/07/05)	<input type="checkbox"/> Rule 1157(f)	<input type="checkbox"/> Rule 1157(e)
<input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners): Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Asphalt	See Manufacturing, Asphalt Processing & Asphalt Roofing		
<input type="checkbox"/> Asphalt Concrete/Batch Plants	<input type="checkbox"/> 40 CFR60 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART Y <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(j) <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(i) <input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Transfer Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR61 SUBPART BB <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Waste Operations	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART FF <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions	<input type="checkbox"/> 40 CFR61 SUBPART C	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing	<input type="checkbox"/> 40 CFR61 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) <input type="checkbox"/> Rule 1146.2 (01/07/05) <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146.1(d) N/A See Applicable Subpart	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) N/A See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146.1(d) See Applicable Subpart	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements <input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) <u>or</u> <input type="checkbox"/> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) <u>or</u> <input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) <u>or</u> <input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Boiler, Petroleum Refining (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) <u>or</u> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) <u>or</u> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) <u>or</u> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 1135 (07/19/91) <input type="checkbox"/> 40 CFR60 SUBPART Db <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (RECLAIM sources)	<input type="checkbox"/> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART Db <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Bulk Loading Of Organic Liquids	<input type="checkbox"/> Rule 462 (05/14/99) <input type="checkbox"/> 40 CFR60 SUBPART XX <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG	<input type="checkbox"/> Rule 462(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 462(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Cadmium Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Calciner, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Calciner, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> Rule 1119 (03/02/79) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 6.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Charbroilers	<input type="checkbox"/> Rule 1174 (10/05/90) <input type="checkbox"/> Rule 1138 (11/14/97)	<input type="checkbox"/> AQMD Test Protocol <input type="checkbox"/> Rule 1138(g)	<input type="checkbox"/> Rule 1138(d)
<input type="checkbox"/> Chrome Plating & Chromic Acid Anodizing Operation	<input type="checkbox"/> Rule 1426 (05/02/03) <input type="checkbox"/> Rule 1469 (05/02/03)	<input type="checkbox"/> Rule 1469(c)	<input type="checkbox"/> Rule 1426(e) <input type="checkbox"/> Rule 1469(g), (j) & (k)
<input type="checkbox"/> Coating Operation, Adhesive Application Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1168 (01/07/05)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1168(f) & (g)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1168(e)

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ABBREVIATIONS:	Rule = AQMD Rule	AQMD TM = AQMD Test Method	CCR = California Code of Regulations	500-C1
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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART RR	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1124(j) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> 40 CFR63 SUBPART JJJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Magnet Wire Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1126(c)(4) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART MMMM <input type="checkbox"/> 40 CFR63 SUBPART RRRR	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1107(k) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1125(e)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1125(c)(6)

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW <input type="checkbox"/> 40 CFR63 SUBPART SSSS	<input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1151 (12/11/98) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1151(g) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1151(f) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART MM <input type="checkbox"/> 40 CFR63 SUBPART IIII	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1115(g) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART OOOO	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1128(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (12/03/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TTT <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART PPPP	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1145(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106.1(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130.1(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1113 (07/09/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1113(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1104 (08/13/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1104(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1104(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1136 (06/14/96) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART JJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1136(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1136(d) & (g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations		
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Composting Operation	<input type="checkbox"/> Rule 1133 (01/10/03) <input type="checkbox"/> Rule 1133.1 (01/10/03) <input type="checkbox"/> Rule 1133.2 (01/10/03)	<input type="checkbox"/> Rule 1133.1(e) <input type="checkbox"/> Rule 1133.2(g)	<input type="checkbox"/> Rule 1133.1(d) <input type="checkbox"/> Rule 1133.2(h)
<input type="checkbox"/> Compressors	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input type="checkbox"/> Cooling Tower, Hexavalent Chromium	<input type="checkbox"/> 40 CFR63 SUBPART Q	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Copper Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(c)
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Dairy Farms and Related Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Degreasers	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1122 (10/01/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1122(h) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1122(i) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (12/06/02)	<input type="checkbox"/> Rule 1421(c) & (i)	<input type="checkbox"/> Rule 1421(g) & (h)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1102 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1102(g) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1102(f) See Applicable Subpart
<input type="checkbox"/> Dryers, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ethylene Oxide Sterilizer	See Sterilizer, Ethylene Oxide		
<input type="checkbox"/> Flanges	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Fluid Catalytic Cracking Unit	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84) <input type="checkbox"/> Rule 1105.1 (11/07/03)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(c)(1) <input type="checkbox"/> Rule 1105.1(f)	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1105(c)(2) <input type="checkbox"/> Rule 1105.1(e)
<input type="checkbox"/> Foundries, Iron and Steel	<input type="checkbox"/> 40 CFR63 SUBPART EEEEE	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Friction Materials Manufacturing	See Manufacturing, Friction Materials		
<input type="checkbox"/> Fugitive Emissions, Benzene	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART VV <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART KKK <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production Facility	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Pipeline Transfer Station	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Furnace, Basic Oxygen Process	<input type="checkbox"/> 40 CFR60 SUBPART Na	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After August 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AAa	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants: Constructed After Oct. 21, 1974, & On Or Before Aug. 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Glass Melting	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Lead Melting, Automotive Batteries	<input type="checkbox"/> Rule 1101 (10/07/77) <input type="checkbox"/> 40 CFR63 SUBPART X	<input type="checkbox"/> AQMD TM 6.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Gasoline Transfer & Dispensing Operation	<input type="checkbox"/> Rule 461 (01/09/04)	<input type="checkbox"/> Rule 461(f)	<input type="checkbox"/> Rule 461(e)(6) & (e)(7)
<input type="checkbox"/> Glass Manufacturing	See Manufacturing, Glass		
<input type="checkbox"/> Grain Elevators	<input type="checkbox"/> 40 CFR60 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Halon-containing Equipment, Use for Technician Training, Testing, Maintenance, Service, Repair, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Heater, Asphalt Pavement	<input type="checkbox"/> Rule 1120 (08/04/78)	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 6.2	<input type="checkbox"/> Rule 1120(f)
<input type="checkbox"/> Heaters, Petroleum Refinery Process	<input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Heaters, Process	See Boilers		
<input type="checkbox"/> Incinerators	<input type="checkbox"/> 40 CFR60 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide & Metallic Arsenic Production Facilities	<input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart	See Applicable Subpart

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Internal Combustion Engines, Reciprocating	<input type="checkbox"/> 40 CFR63 SUBPART ZZZZ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112 (01/06/86) <input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A N/A See Applicable Subpart	N/A N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150 (10/15/82) <input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WWW <input type="checkbox"/> 40 CFR63 SUBPART AAAA	<input type="checkbox"/> Rule 1150.1(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Lead Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83) <input type="checkbox"/> 40 CFR60 SUBPART UU <input type="checkbox"/> 40 CFR63 SUBPART LLLLL	N/A <input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b) See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Brick & Structural Clay Products	<input type="checkbox"/> 40 CFR63 SUBPART JJJJ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Clay Ceramics	<input type="checkbox"/> 40 CFR63 SUBPART KKKKK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Coatings & Ink (SIC Code 2851)	<input type="checkbox"/> Rule 1141.1 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART HHHHH	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1141.1(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Title 17 CCR 94500		
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> Rule 1131 (06/06/03)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Friction Materials	<input type="checkbox"/> 40 CFR63 SUBPART QQQQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Hydrochloric Acid	<input type="checkbox"/> 40 CFR63 SUBPART NNNNN	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lead-Acid Battery	<input type="checkbox"/> 40 CFR60 SUBPART KK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lime	<input type="checkbox"/> 40 CFR63 SUBPART AAAAA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Magnetic Tape Industry	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Miscellaneous Organic Chemical	<input type="checkbox"/> 40 CFR63 SUBPART FFFF	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Plywood & Composite Wood Products	<input type="checkbox"/> Rule 1137 (02/01/02) <input type="checkbox"/> 40 CFR63 SUBPART DDDD	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1137(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W <input type="checkbox"/> 40 CFR63 SUBPART J	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94) <input type="checkbox"/> 40 CFR63 SUBPART UUUU	<input type="checkbox"/> Rule 1175(f) See Applicable Subpart	<input type="checkbox"/> Rule 1175(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Organic Solvents	<input type="checkbox"/> Rule 443.1 (12/05/86)	N/A	N/A
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Reinforced Plastic Composites	<input type="checkbox"/> 40 CFR63 SUBPART WWWW	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Refractory Products	<input type="checkbox"/> 40 CFR63 SUBPART SSSS	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Rubber Tire	<input type="checkbox"/> 40 CFR63 SUBPART XXXX	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART BBBB	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> Rule 443 (05/07/76)	N/A	N/A
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cd	<input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Water Heaters	<input type="checkbox"/> Rule 1121 (09/03/04)	N/A	N/A
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manure Processing Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E <input type="checkbox"/> 40 CFR63 SUBPART IIII	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb	See Applicable Subpart	See Applicable Subpart

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> 40 CFR60 SUBPART Ea	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Eb	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos	<input type="checkbox"/> 40 CFR61 SUBPART M	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Nickel Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation	<input type="checkbox"/> 40 CFR63 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Oil and Gas Well Operation	<input type="checkbox"/> Rule 1148 (11/05/82) <input type="checkbox"/> Rule 1148.1 (03/05/04)	<input type="checkbox"/> AQMD TM 25.1 <input type="checkbox"/> Rule 1148.1 (g)	<input type="checkbox"/> Rule 1148.1 (f)
<input type="checkbox"/> Onshore Natural Gas Processing, SO ₂ Emissions	<input type="checkbox"/> 40 CFR60 SUBPART LLL	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Open Fires	<input type="checkbox"/> Rule 444 (12/21/01)		
<input type="checkbox"/> Open Storage, Petroleum Coke	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04) <input type="checkbox"/> Rule 1158 (06/11/99)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(j)
<input type="checkbox"/> Open Storage	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f)
<input type="checkbox"/> Outer Continental Shelf Platform	<input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55	<input type="checkbox"/> 40 CFR55 See Applicable Subpart	<input type="checkbox"/> 40 CFR55 See Applicable Subpart
<input type="checkbox"/> Oven, Commercial Bakery	<input type="checkbox"/> Rule 1153 (01/13/95)	<input type="checkbox"/> Rule 1153(h)	<input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use	<input type="checkbox"/> 40 CFR82 Subpart G	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> Rule 1189 (01/21/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG <input type="checkbox"/> Title 13 CCR 2250	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A <input type="checkbox"/> Rule 1189(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1123(c) <input type="checkbox"/> Rule 1189(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 1173(i)

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> 40 CFR60 SUBPART GGG <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 463 (05/06/05) <input type="checkbox"/> Rule 1178 (12/11/01) <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE	<input type="checkbox"/> Rule 463(g) <input type="checkbox"/> Rule 1178(i) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) <input type="checkbox"/> Rule 1178(f) & (h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART QQQ <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) N/A See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing	<input type="checkbox"/> Rule 1103 (03/12/99)	<input type="checkbox"/> Rule 1103(f)	<input type="checkbox"/> Rule 1103(e)
<input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1162 (07/09/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1162(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1162(e) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Primary Magnesium Refining	<input type="checkbox"/> 40 CFR63 SUBPART TTTT	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Printing Press	See Coating Operations		
<input type="checkbox"/> Publicly Owned Treatment Works Operations	<input type="checkbox"/> Rule 1179 (03/06/92) <input type="checkbox"/> 40 CFR60 SUBPART O	<input type="checkbox"/> Rule 1179(e) See Applicable Subpart	<input type="checkbox"/> Rule 1179(c) & (d) See Applicable Subpart
<input type="checkbox"/> Pumps	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS),	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant	<input type="checkbox"/> Rule 472 (05/07/76)	N/A	<input type="checkbox"/> Rule 472(b)
<input type="checkbox"/> Rock Crushing	See Nonmetallic Mineral Processing Plants		

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Semiconductor Manufacturing	See Manufacturing, Semiconductors		
<input type="checkbox"/> Sewage Treatment Plants	See Publicly Owned Treatment Works Operation		
<input type="checkbox"/> Site Remediation	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Primary Copper	<input type="checkbox"/> 40 CFR63 SUBPART QQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01)	<input type="checkbox"/> Rule 1166(e)	<input type="checkbox"/> Rule 1166(c)(1)(C)
	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95)		
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (05/06/05)	<input type="checkbox"/> Rule 463(g)	<input type="checkbox"/> Rule 463(e)(5)
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART K	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Ka	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Kb	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Taconite Iron Ore Processing Facilities	<input type="checkbox"/> 40 CFR63 SUBPART RRRRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas-Fired	<input type="checkbox"/> Rule 1134 (08/08/97)	<input type="checkbox"/> CEMS Rule 1134(e) & (g)	<input type="checkbox"/> Rule 1134(d) & (f)
	<input type="checkbox"/> Rule 475 (08/07/78)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
	<input type="checkbox"/> 40 CFR60 SUBPART GG	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART YYYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Oil-Fired	<input type="checkbox"/> 40 CFR63 SUBPART YYYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
	<input type="checkbox"/> Rule 1137 (02/01/02)	N/A	<input type="checkbox"/> Rule 1137(e)

Section IV – SIP-Approved Rules That Are Not The Most Current AQMD Rules

Check off each SIP-Approved Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
218	08/07/81	<input type="checkbox"/>	1146.2	01/09/98	<input type="checkbox"/>
401	03/02/84	<input type="checkbox"/>	1162	11/17/00	<input type="checkbox"/>
403	12/11/98	<input type="checkbox"/>	1166	07/14/95	<input type="checkbox"/>
403.1	01/15/93	<input type="checkbox"/>	1168	10/03/03	<input type="checkbox"/>
431.2	05/04/90	<input type="checkbox"/>	1171	11/07/03	<input type="checkbox"/>
463	03/11/94	<input type="checkbox"/>	1173	05/13/94	<input type="checkbox"/>
466.1	05/02/80	<input type="checkbox"/>	1186	09/10/99	<input type="checkbox"/>
469	05/07/76	<input type="checkbox"/>	2000	05/11/01	<input type="checkbox"/>
475	10/08/76	<input type="checkbox"/>	2001	05/11/01	<input type="checkbox"/>
1112	01/06/84	<input type="checkbox"/>	2002	05/11/01	<input type="checkbox"/>
1113	11/08/96	<input type="checkbox"/>	2005	04/20/01	<input type="checkbox"/>
1121	12/10/99	<input type="checkbox"/>	2007	12/05/03	<input type="checkbox"/>
1122	07/11/97	<input type="checkbox"/>	2010	05/11/01	<input type="checkbox"/>
1132	03/05/04	<input type="checkbox"/>	2011	12/05/03	<input type="checkbox"/>
1140	02/01/80	<input type="checkbox"/>	2012	12/05/03	<input type="checkbox"/>
1145	02/14/97	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

Section V – AQMD Rules That Are Not SIP-Approved (Continued on Following Page)

Check off each AQMD Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
53 Los Angeles Co.	N/A	<input type="checkbox"/>	1170	05/06/88	<input type="checkbox"/>
53 Orange Co.	N/A	<input type="checkbox"/>	1183	03/12/93	<input type="checkbox"/>
53 Riverside Co.	N/A	<input type="checkbox"/>	1186.1	06/04/04	<input type="checkbox"/>
53 San Bernardino Co.	N/A	<input type="checkbox"/>	1191	06/16/00	<input type="checkbox"/>
53A San Bernardino Co.	N/A	<input type="checkbox"/>	1192	06/16/00	<input type="checkbox"/>
218.1	05/14/99	<input type="checkbox"/>	1193	06/06/03	<input type="checkbox"/>
402	05/07/76	<input type="checkbox"/>	1194	10/20/00	<input type="checkbox"/>
429	12/21/90	<input type="checkbox"/>	1195	04/20/01	<input type="checkbox"/>
430	07/12/96	<input type="checkbox"/>	1196	06/04/04	<input type="checkbox"/>
441	05/07/76	<input type="checkbox"/>	1401	03/04/05	<input type="checkbox"/>
473	05/07/76	<input type="checkbox"/>	1402	03/04/05	<input type="checkbox"/>
477	04/03/81	<input type="checkbox"/>	1403	04/08/94	<input type="checkbox"/>
480	10/07/77	<input type="checkbox"/>	1404	04/06/90	<input type="checkbox"/>
1105.1	11/07/03	<input type="checkbox"/>	1405	01/04/91	<input type="checkbox"/>
1109	08/05/88	<input type="checkbox"/>	1406	07/08/94	<input type="checkbox"/>
1110.1	10/04/85	<input type="checkbox"/>	1407	07/08/94	<input type="checkbox"/>
1110.2	11/14/97	<input type="checkbox"/>	1411	03/01/91	<input type="checkbox"/>
1116.1	10/20/78	<input type="checkbox"/>	1414	05/03/91	<input type="checkbox"/>
1118	02/13/98	<input type="checkbox"/>	1415	10/14/94	<input type="checkbox"/>
1127	08/06/04	<input type="checkbox"/>	1418	09/10/99	<input type="checkbox"/>
1148.1	03/05/04	<input type="checkbox"/>	1420	09/11/92	<input type="checkbox"/>
1150	10/15/82	<input type="checkbox"/>	1421	12/06/02	<input type="checkbox"/>
1157	01/07/05	<input type="checkbox"/>	1425	03/16/01	<input type="checkbox"/>
1163	06/07/85	<input type="checkbox"/>	1426	05/02/03	<input type="checkbox"/>

Section V – AQMD Rules That Are Not SIP-Approved (Continued on Following Page)

1469	05/02/03	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1469.1	03/04/05	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1470	03/04/05	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
2009	01/07/05	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

The Facility Permit Holder submitting an application to increase an annual Allocation to a level greater than the facility's starting allocation plus non-tradable credits pursuant to Rule 2005 - New Source Review shall pay fees for the evaluation of the required demonstration specified in Rule 2005(c)(3). The Facility Permit Holder shall pay an evaluation fee at the rate of \$136.92 per hour.

(m) Title V Facilities

(1) Applicability

The requirements of this subdivision apply only to facilities that are subject to the requirements of Regulation XXX - Title V Permits.

(2) Rule 301 Applicability

All Title V facilities shall be subject to all other provisions of Rule 301 - Permit Fees, except as provided for in this subdivision.

(3) Permit Processing Fees for Existing Facilities with Existing District Permits Applying for an Initial Title V Facility Permit

(A) The applicant shall pay the following initial fee when the application is submitted:

Title V INITIAL Fee				
Number of Devices	1-20	21-75	76-250	251+
Applications submitted on or after July 1, 2005 through June 30, 2006	\$1,028.76	\$3,292.37	\$7,408.14	\$12,552.84
Applications submitted on or after July 1, 2006 through June 30, 2007	\$1,131.64	\$3,621.61	\$8,148.96	\$13,808.13
Applications submitted on or after July 1, 2007 through June 30, 2008	\$1,244.80	\$3,983.77	\$8,963.85	\$15,180.94
Applications submitted on or after July 1, 2008	\$1,369.28	\$4,382.14	\$9,860.24	\$16,707.83

To determine the initial fee when the number of devices is not available, the applicant may substitute the number of active equipment. This fee will be adjusted when the Title V permit is issued and the correct number of devices are known.

- (B) The applicant shall, upon notification by the District of the amount due when the permit is issued, pay the following final fee based on the time spent on the application:

Title V FINAL Fee				
Number of Devices	1-20	21-75	76-250	251+
Time Spent in Excess of:	8 Hours	30 Hours	70 Hours	120 Hours
On or after July 1, 2005 through June 30, 2006	\$102.87 per hour; up to a maximum total fee of \$12,558.12	\$102.87 per hour; up to a maximum total fee of \$25,116.21	\$102.87 per hour; up to a maximum total fee of \$62,790.51	\$102.87 per hour; up to a maximum total fee of \$94,185.79
On or after July 1, 2006 through June 30, 2007	\$113.16 per hour; up to a maximum total fee of \$13,813.93	\$113.16 per hour; up to a maximum total fee of \$27,627.83	\$113.16 per hour; up to a maximum total fee of \$69,069.56	\$113.16 per hour; up to a maximum total fee of \$122,782.85
On or after July 1, 2007 through June 30, 2008	\$124.47 per hour; up to a maximum total fee of \$15,195.32	\$124.47 per hour; up to a maximum total fee of \$30,390.62	\$124.47 per hour; up to a maximum total fee of \$75,976.52	\$124.47 per hour; up to a maximum total fee of \$113,964.81
On or after July 1, 2008	\$136.92 per hour; up to a maximum total fee of \$16,714.85	\$136.92 per hour; up to a maximum total fee of \$33,429.67	\$136.92 per hour; up to a maximum total fee of \$85,574.17	\$136.92 per hour; up to a maximum total fee of \$125,361.29

For applicants that did not pay the correct initial fee based on the actual number of devices, the fee when the permit is issued shall be equal to the correct initial fee less the initial fee actually paid, plus the final fee.

Applications submitted on or prior to January 15, 1998 shall not be subject to the final fee.

- (C) If the facility requests revisions to the existing permit terms or conditions, including permit streamlining, an alternative operating scenario or a permit shield, the facility shall submit additional applications with the applicable fees in subdivisions (c) and (i) for each piece of equipment for which a revision is requested. Evaluation time spent on these additional applications shall be excluded from the time calculated for the billing for initial permit issuance in subparagraph (1)(3)(B).
- (4) **Permit Processing Fee Applicability**
The permit processing fee for a new facility required to obtain a Title V facility permit to construct shall be the sum of all the applicable fees in subdivisions (c) and (i) for all equipment at the facility.
- (5) **Rule 301 Fee Applicability**
The permit processing fee for a facility required to obtain a Title V facility permit because of a modification, pursuant to paragraph (c)(2) of Rule 301, shall be those specified in paragraph (1)(3) plus the sum of all the applicable fees in subdivisions (c) and (i) for all new and modified equipment at the facility.
- (6) **Administrative Permit Revision Fee**
Notwithstanding paragraphs (k)(6), (k)(9), and (m)(3), and except as provided in paragraphs (k)(5), (k)(7), (k)(12), (m)(3), (m)(5) and (m)(8), the permit processing fee for an administrative permit revision shall be a fee of \$861.52 .
- (7) **Permit Revision Fee**
The permit processing fees for a minor permit revision, de minimis significant permit revision, or significant permit revision shall be \$861.52 plus the applicable fee in paragraphs (k)(5), (k)(6), (m)(3), and (m)(4). RECLAIM facilities shall only pay the fee specified in paragraph (k)(5).

(8) Renewal Fees

The fees for renewal of a Title V Facility Permit, at the end of the term specified on the permit, shall be an initial processing fee of \$1,956.84 to be paid when the application is submitted; and a final fee of \$136.92 per hour for time spent on the application in excess of 8 hours, due upon notification by the District of the amount due when the permit is issued.

(9) Public Notice Fees

The holder of, or applicant for, a Title V permit shall either:

- (A) pay a fee, as specified in Table IIB, for publication of the notice by prominent advertisement in the newspaper of general circulation in the area affected where the facility is located and for the mailing of the notice to persons identified in Rule 212(g), or
- (B) arrange publication of the above notice independent of the District option. This notice must be by prominent advertisement in the newspaper of general circulation in the area affected where the facility is located.

Where publication is performed by the owner/operator or an independent consultant, the owner/operator of the source shall provide to the Executive Officer a copy of the proof of publication.

(10) Public Hearing Fees

The holder of, or applicant for, a Title V permit shall, upon notification by the District of the amount due, pay fees of \$2,740.73 plus \$852.13 per hour for a public hearing held on a permit action.

(11) Application Cancellation

If a Title V permit application is canceled, the applicant shall pay, upon notification of the amount due, a final fee in accordance with this subdivision. The District shall refund the initial fee only if evaluation of the application has not been initiated.

(12) Notice of Amount Due and Effect of Nonpayment

For fees due upon notification, such notice may be given by personal service or by deposit, postpaid, in the United States mail and shall be due thirty (30) days from the date of personal service or mailing. For the purpose of this paragraph, the fee payment will be considered to be received by the District if it is postmarked by the United States Postal

ORANGE COUNTY
SANITATION DISTRICT

10844 Ellis Avenue
Fountain Valley, CA 92708-7018
(714) 942-2411

VENDOR NO. 15843

DATE: 08/25/10

CHECK NO. 1000033130

VENDOR NAME SOUTH COAST AIR QUALITY MGT RE

INVOICE NO.	INVOICE DATE	DESCRIPTION	GROSS AMOUNT	DISC. - ADJ.	PAYMENT AMOUNT
TITLE V REVISION	08/18/10	Add'l Fees	861.52		861.52
			AMOUNT - U.S. DOLLARS		\$*****861.52



ORANGE COUNTY SANITATION DISTRICT

10844 Ellis Avenue • Fountain Valley, CA 92708-7018

Hasler

08/25/2010

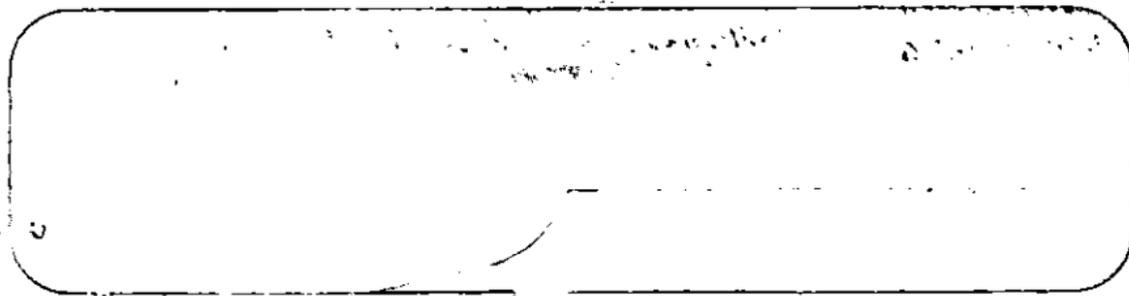
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