Bay Area Air Quality Management District

939 Ellis Street San Francisco, CA 94109 (415) 771-6000

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To: Valero Benicia Asphalt Plant Facility #A0901

Facility Address:

3001 Park Road Benicia, CA 94510

Mailing Address:

3400 East Second Street Benicia, CA 94510

Responsible Official

Doug Comeau, Vice President and General Manager Valero Refining Company - California

(707) 745-7011

Facility Contact

Todd Lopez, Environmental Engineering Manager

(707) 745-7203

Type of Facility: Asphalt Refinery BAAQMD Engineering Division

Contact:

Primary SIC: 2911 Thu Bui

Product: Asphalt

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jean Roggenkamp for Jack P. Broadbent October 17, 2007

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

Date

TABLE OF CONTENTS

I.	STANDARD CONDITIONS	3
II.	EQUIPMENT	8
III.	GENERALLY APPLICABLE REQUIREMENTS	21
IV.	SOURCE-SPECIFIC APPLICABLE REQUIREMENTS	24
V.	SCHEDULE OF COMPLIANCE	. 172
VI.	PERMIT CONDITIONS	. 173
VII.	APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS	. 212
VIII.	TEST METHODS	. 306
IX.	PERMIT SHIELD	.317
X.	REVISION HISTORY	. 323
XI.	GLOSSARY	. 326
XII.	APPLICABLE STATE IMPLEMENTATION PLAN	. 332

Permit for Facility #: A0901

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 7/19/06);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 7/19/06);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 6/15/05);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 12/21/04);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 1/26/99); and

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants

(as adopted by the District Board on 6/15/05):

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 4/16/03); and

SIP BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as approved by EPA on 6/23/95)

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

- 1. This Major Facility Review Permit was issued on [date of issuance]December 1, 2003, and expires on [date of expiration]November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [based on date of issuance]May 31, 2008 and no earlier than [based on date of issuance]November 30, 2007. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after [based on date of issuance]November 30, 2008. If the permit renewal has not been issued by [based on date of issuance]November 30, 2008, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
- 2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

Permit for Facility #: A0901

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

- 4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
- 5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
- 8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
- 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B Public Information, Confidentiality of Business Information. (40 CFR Part 2)
- 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
- 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
- 12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

- 1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
- 2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be December 1, 2003, [date of issuance] to May 31, 2004 [June 30th or December 31st]. The report shall be submitted by [July 31st or January 31st]. The second reporting period for this permit shall be June 1, 2004, to June 30, 2004. Subsequent reports shall be for the following periods: January 1st through June 30th and July 1st 1st through December 31st, and 31st and January 1st through June 30th. All reports are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

> Director of Compliance and Enforcement Bay Area Air Quality Management District 939 Ellis Street San Francisco, CA 94109 Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The first_certification period willshall be—[date of issuance] to

I. Standard Conditions

December _______1st_through _________30th_or__31st_Subsequent certification periods will be January 1st to December 31st. All compliance certifications are due on the last day of the month after the end of the certification period. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

Director of the Air Division USEPA, Region IX 75 Hawthorne Street San Francisco, CA 94105 Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

- 1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
- 2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
- 3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. In Table II-A, for each source with a capacity identified as a firm limit, the maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

Permit for Facility #: A0901

I. Standard Conditions

1.The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

2.Reserved.

- *3. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit. The owner/operator shall notify the District in writing by fax or email as soon as feasible for any unscheduled startup or shutdown of any process unit, but no later than 48 hours after the event or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. (Regulation 2-1-403)
- 4. Where an applicable requirement allows multiple compliance options and where more than one such option is incorporated into the permit, the permit holder must maintain records indicating the selected compliance option. Such records at a minimum shall indicate when any change in options has occurred. In addition, the annual compliance certification must specifically indicate which option or options were selected during the certification period. This is in addition to any recordkeeping and reporting contained in the requirement itself.
- 5. Reserved.
- Reserved.
- 7. The District intends to make a determination regarding the applicability of 40 CFR Part 61, Subpart QQQ to certain wastewater treatment sources on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.
- 8. The District intends to make a determination regarding the applicability of 40 CFR Part 63, Subpart FF to certain waste streams on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

Permit for Facility #: A0901

II. EQUIPMENT

Table II-A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
1	Crude Storage Tank, TK4601A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
2	Crude Storage Tank, TK4601B (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
3	Gas Oil Storage Tank, TK-4601C	Fixed Roof		3,419,000 gal
4	Crude Oil Storage Tank, TK- <u>46</u> 10A (S1, S2, S4, S23 Crude Storage Tanks owned by Facility B5574			
5	Asphalt Storage Tank, TK-4602A	Fixed Roof		3,415,000 gal
6	Asphalt Storage Tank, TK-4602B	Fixed Roof		3,415,000 gal
7	Asphalt Storage Tank, TK-4603	Fixed Roof		1,050,000 gal
8	Asphalt Storage Tank, TK-4604	Fixed Roof		1,050,000 gal
9	Naphtha Storage Tank, TK-4607	Internal Floating Roof		571,200 gal
12	Tank #6 – Wastewater Tank	Fixed Roof		571,000 gal
13	Tank 8—Kerosene Tank, TK-4608	Fixed Roof		88,000 gal
14	Truck Loading Racks - Naphtha			1 pump, 2 nozzles
15	Truck Loading Racks - Gas Oil			1 pump, 2 nozzles
16	Truck Loading Racks - Heavy Vacuum Gas Oil			1 pump, 2 nozzles
17	Truck Loading Racks - Asphalt			3 pumps, 4 nozzles
18	Crude Unit including atmospheric tower, vacuum tower, and KD stripper tower			18,000 barrels/day
19	Vacuum Heater (natural gas <u>and/or</u> , asphalt plant refinery fuel gas), F- 4601			40 MMbtu/hr (new source review, Condition # 19329, PattPart 1)
20	Steam Boiler <u>H-4602A</u> (natural gas)			14.7 MMbtu/hr
21	Steam Boiler H-4602-B (natural gas)			14.7 MMbtu/hr
23	Crude Storage Tank, TK-4610B (S1, S2, S4, S23 Crude Storage Tanks owned by Valero LP (Facility B5574)			
24	Hot Oil Heater, H- <u>460</u> 3 (natural gas)			9 MMbtu/hr
25	Effluent Water Feed Tank, TK-11A	Fixed Roof		88,200 gal
26	Wastewater Oil Tank, TK-13	Fixed Roof		3800 gal
27	Recovered Oil Tank, TK- <u>46</u> 12A	Fixed Roof		1260 gal
28	Effluent Water Feed Tank, TK-11B	Fixed Roof		88,000 gal

8

Permit for Facility #: A0901

II. Equipment

Table II-A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
31	Rail Car Asphalt and Gas Oil Loading Rack, five Spots			1 nozzle
34	Tank Heater, H-4605 (natural gas)			5.9 MMbtu/hr
37	Rubberized Asphalt Sales Tank, TK- 4654	Fixed Roof		100,000 gal
38	Rubberized Asphalt Sales Tank, TK-4655	Fixed Roof		100,000 gal
39	Lube Oil Tank, Tk-503	CE		18,900 gal
40	Latex Storage Tank, Tk-504	CE		16,800 gal
41	Wemco-WEMCO Hydrocleaner – Induced Air Flotation Separator			5,000 bbl/day, 145 gpm
51	Sales Tank – Asphalt Liquid, Tank <u>TK-46</u> 506	Fixed Roof		152,880 gal
52	Sales Tank – Asphalt Liquid, <u>TK-46507</u>	Fixed Roof		152,880 gal
53	Sales Tank – Asphalt Liquid, <u>TK-</u> 46508	Fixed Roof		152,880 gal
54	Asphalt Loading Rack			3 pumps, 4 nozzles
59	Tank #5—Gas Ooil Fixed Roof Storage Tank, TK-4605, OOS	Fixed Roof		1,050,000 gal
60	Asphalt Tank # <u>TK-46</u> 505	Fixed Roof		15,000 gal
61	Asphalt Tank, TK-4630A	Fixed Roof		995,400 gal
62	Asphalt Tank, TK-4630B	Fixed Roof		995,400 gal
63	Tank 31 KERO/LVGO/HVGO/Asphalt Tank TK-4631	Fixed Roof		1,218,000 gal
65	Asphalt Tank, Tank TK-4632	Fixed Roof		6,920,000 gal
66	Oil Water Separator			210 gal/min
67	Recovered Oil Tank, TK- <u>46</u> 12B	Fixed Roof		5875 gal
68	Emergency Diesel-powered Firewater Pump (P-4645)			215 hp <u>, 34 hours/yr (New</u>
	Pump (P-4043)			Source Review, Condition
				# 22851, Part1)
69	Asphalt Additive Loading Bin	Open Top		96 cubic feet, 20,000
				ton/yr Addittives (New
				Source Review, Condition
70	A LUADE NE DE LE	E: ID C		# 20278, Part 2)
70	Asphalt Additive Mixing Tank, TK-46500	Fixed Roof		2,200 gal <u>. 400,000 tons/yr</u>
				(New Source Review,
				Condition # 20278, Part

Permit for Facility #: A0901

II. Equipment

Table II-A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
				<u>1)</u>
71	Emergency Diesel Air Compressor	Caterpillar	3054C	108 BHP <u>, 50 hrs/yr (New</u>
				Source Review, Condition
				# 22928, part 1)

II. Equipment

Table II-B – Abatement Devices

х н	Description	Source(s)	Applicable	Operating	Limit or
A-#	Description Koch Mist Eliminator (F-8)	Controlled	Requirement	Parameters	Efficiency
AI	Roch Wist Eliminator (1-6)	S5-S8,	None	None	None
		\$25, \$41,			
1.2	Mi (E)	S59, S66			
A2	Mist Eliminator (F-9)	S17	None	None	None
A3	Mist Eliminator (F-10)	S3, S5-S8,	None	None	None
		S13, S25,			
		S37, S38,			
		S41,S51-			
		S54, S59,			
		S60-S63,			
		S65, S66,			
		S70			
A4	Thermal Oxidizer	S17	Regulation	temperature	Ringelmann 1
	(6.5 MMbtu/hr)		6- <u>1-</u> 301		for < 3
			SIP 6-301		minutes/hr
	Thermal Oxidizer	S17	Regulation	temperature	0.15 gr/dscf
A4	(6.5 MMbtu/hr)		6- <u>1-</u> 310	•	
			SIP 6-310		
	Thermal Oxidizer	\$14, \$15	BAAQMD	Temperature	0.17 pounds
A4	(6.5 MMbtu/hr)	,	8-6-301	r	organic
					compounds
					per 1,000
					gallons
	Thermal Oxidizer	\$14, \$15,	BAAQMD	temperature	Emissions of
A4	(6.5 MMbtu/hr)	S17, A2	Condition	temperature	NMHC <
		517,712	#1240, Part		42.705 tons
			I.14		per year
	Thermal Oxidizer	S18	BAAQMD	Temperature	95%
A4	(6.5 MMbtu/hr)	310	Condition	remperature	destruction
	(0.5 WIWIOtu/III)		#1240, Part		destruction
			#1240, 1 art II.6		
			and		
			40 CFR 40		
			<u>CFR, Part</u>		
			60.482-10(c)		
			Deleted upon		

II. Equipment

Table II-B – Abatement Devices

A- #	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-#	Description	Controlled	-	rarameters	Efficiency
			startup of the		
			atmospheric		
			PRD removal		
			project (A/N		
	Thermal Oxidizer	\$14	19193) BAAQMD	Tanananatana	98.5%
A4	(6.5 MMbtu/hr)	514	Condition	Temperature	destruction
	(0.0 0.00.000.000)				destruction
			#1240, Part		
A4	Thermal Oxidizer	015	H.60	Townson	00.50/
111	(6.5 MMbtu/hr)	S15	BAAQMD	Temperature	98.5%
			Condition		destruction
			#1240, Part		
	TI 10 : II	~1.5	II.63		20.527
A4	Thermal Oxidizer (6.5 MMbtu/hr)	S17	BAAQMD	Temperature	98.5%
	(0.3 1/11/10tu/111)		Condition		destruction
			#1240, Part		
A6	Mist Eliminator		II.68		
A20	Mist Eliminator F500	S31	None	None	None
A20	What Emiliator F300	S3, S13,	None	None	None
		S37, S38,			
		S51-S53,			
		S54, S60-			
		S63, S65,			
1.21	TT 10 '1'	S70			
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S5-S8,	BAAQMD	Temperature	Ringelmann 1
	(5.5 11111616,111)	S31, S37,	6- <u>1-</u> 301		for < 3
		S38, S51-	<u>SIP 6-301</u>		minutes/hr
		S54, S60-			
		S62, S65,			
		S70			
A31	Thermal Oxidizer (3.5 MMbtu/hr)	S5-S8,	BAAQMD	temperature	0.15 gr/dscf
	(3.3 WIWIOtu/III)	S31, S37,	6- <u>1-</u> 310		
		S38, S51-	SIP 6-310		
		S54, S60-			
		S62, S65,			
		S70			
121	Thermal Oxidizer	S13, S59,	BAAQMD,	Temperature	95% control
A31					

II. Equipment

Table II-B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
	(3.5 MMbtu/hr)	S63	8-5-306		of VOC
			<u>SIP 8-5-306</u>		
A31	Thermal Oxidizer	S31	BAAQMD	Temperature	0.17 pounds
A31	(3.5 MMbtu/hr)		8-6-301		organic
					compounds
					per 1,000
					gallons
A31	Thermal Oxidizer	S66	BAAQMD	Temperature	95%
A31	(3.5 MMbtu/hr)		8-8-301.3 and		combined
			SIP 8-8-301.3		collection and
					destruction
					efficiency
4.2.1	Thermal Oxidizer	S27, S67	BAAQMD	<u>Temperature</u>	<u>70%</u>
<u>A31</u>	(3.5 MMbtu/hr)		8-8-305.2		combined
			SIP 8-8-305.2		collection and
					destruction
					efficiency
A 2.1	Thermal Oxidizer	S13, S59,	40 CFR <u>40</u>	Temperature	95% control
A31	(3.5 MMbtu/hr)	S63	CFR, Part		of inlet VOC
			60.112b(a)		
			(3)(ii)		
4.2.1	Thermal Oxidizer	S5-S8,	40 CFR <u>40</u>	Temperature	0 percent
A31	(3.5 MMbtu/hr)	S37, S38,	CFR, Part		opacity
		S51-S53,	60.472(c)		except for
		S60, S61,			one
		S62, S65,			consecutive
		S70			15-min period
					in any 24-hr
					period for
					cleaning
A31	Thermal Oxidizer	\$12, \$25,	40 CFR	Temperature	95% control
	(3.5 MMbtu/hr)	S28, S41,	61.349(a)		of inlet VOC
		\$66, \$67	(2)(i)(A)		
A 2 1	Thermal Oxidizer	S3, S5-S8,	BAAQMD	temperature	Emissions of
A31	(3.5 MMbtu/hr)	\$12, \$13,	Condition		NMHC <
		\$25, \$28,	#1240, Part		42.705 tons
		<u>\$27,</u> \$31,	I.14		per year

II. Equipment

Table II-B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
		S37, S38,			
		<mark>S41,</mark> S51-			
		S54, S59,			
		S60-S63,			
		S65, S66,			
		S67, S70,			
		A1, A3,			
		A6, A20			
A31	Thermal Oxidizer	S3, S5, S6,	BAAQMD	Temperature	98.5% control
	(3.5 MMbtu/hr)	S7, S8,	Condition	•	of inlet VOC
		S13, S31,	#1240, Part		by weight
		S37, S38,	II.32a		
		S41, S51,			
		S52, S53,			
		S54, S59,			
		S60, S61,			
		S62, S63,			
		S65, S66,			
		<u>S70</u>			
	Thermal Oxidizer	S59	BAAQMD	Temperature	98.5% control
A31	(3.5 MMbtu/hr)		Condition	1	of inlet VOC
			#1240, Part		by weight
			H.32b		
	Thermal Oxidizer	S63	BAAQMD	Temperature	98.5% control
A31	(3.5 MMbtu/hr)		Condition	•	of inlet VOC
			#1240, Part		by weight
			II.32e		
A31	Thermal Oxidizer	S3	BAAQMD	Temperature	98.5%
	(3.5 MMbtu/hr)		Condition	1	destruction
			#1240, Part		
			II.43		
	Thermal Oxidizer	S5-S8,	BAAQMD	Temperature	98.5%
A31	(3.5 MMbtu/hr)	\$37, \$38,	Condition	, î	destruction
		\$70	#1240, Part		
			II.55		
A31	Thermal Oxidizer	S51-S53,	BAAQMD	Temperature	98.5%
	(3.5 MMbtu/hr)	\$60	Condition	1	destruction
L				1	

II. Equipment

Table II-B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
			#1240, Part		
			II.56		
A 2.1	Thermal Oxidizer	S65	BAAQMD	temperature	98.5%
A31	(3.5 MMbtu/hr)		Condition		destruction
			#1240, Part		
			II.56		
4.2.1	Thermal Oxidizer	S31	BAAQMD	Temperature	98.5%
A31	(3.5 MMbtu/hr)		Condition		destruction
			1240, Part		
			II.69		
	Thermal Oxidizer	S61, S62	BAAQMD	Temperature	98.5%
A31	(3.5 MMbtu/hr)		Condition	-	destruction
			#1240, Part		
			II.57		
	Thermal Oxidizer	S54	BAAQMD	Temperature	98.5%
A31	(3.5 MMbtu/hr)		Condition		destruction
			#1240, Part		
			II.70		
A31	Thermal Oxidizer	S66	BAAQMD	Temperature	98.5%
	(3.5 MMbtu/hr)		Condition		destruction
			#1240, Part		
			II.85		
A31	Thermal Oxidizer	S70	BAAQMD	Temperature	98.5%
	(3.5 MMbtu/hr)		Condition	-	destruction
			20278, Part 3		
A44	Off Gas Caustic Scrubber	S18	None	None	None
	Deleted upon startup of the				
	atmospheric PRD removal				
A 15	project (A/N 19193)				
A45	Off Gas Caustic Scrubber	A44	BAAQMD	None	H2S
	Deleted upon startup of the		Condition		concentration
	atmospheric PRD removal project (A/N 19193)		1240, Part I.ll		< 163 ppmv,
	<u> </u>				dry, 3 hour
A 45	Off C = C = x' C = 11				average
A45	Off Gas Caustic Scrubber	A44	BAAQMD	None	H2S
	Deleted upon startup of the		Condition		concentration
	atmospheric PRD removal project (A/N 19193)		1240, Part I.12		< 10 ppmv,

II. Equipment

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
					dry, 24 hour
S19	Vacuum Heater (natural gas	210 111	D		average
517	and/or, asphalt plant refinery	S18, A44,	BAAQMD	None	Emissions of
	fuel gas)	A45	Condition		NMHC <
	Requirement for abatement		#1240, Part		42.705 tons
	by \$18, A44, and A45		I.14		per year
	deleted upon startup of the				
	atmospheric PRD removal project (A/N 19193)				
S19	Vacuum Heater (natural gas	S18	BAAQMD	None	98.5%
	and/or, asphalt plant refinery		Condition		destruction
	fuel gas)		#1240, Part I.3		
	Requirement for abatement				
	by S18, A44, and A45 deleted upon startup of the				
	atmospheric PRD removal				
	project (A/N 19193)				
S19	Vacuum Heater	S18	4 0 CFR 40	None	98%
	Requirement for abatement		CFR, Part		destruction of
	by S18, A44, and A45		63.643(a)(2)		organic HAPs
	deleted upon startup of the atmospheric PRD removal				or
	project (A/N 19193)				concentration
					of 20 ppmv,
					@ 3% O2,
					dry
S24	Hot Oil Heater	S5-S8,	BAAQMD	Temperature	Ringelmann 1
		S31, S37,	6- <u>1-</u> 301		for < 3
		S38, S51-	SIP 6-301		minutes/hr
		S54, S60-			
		S62, S65,			
		S70			
S24	Hot Oil Heater	S5-S8,	BAAQMD	temperature	0.15 gr/dscf
		S31, S37,	6- <u>1-</u> 310		
		S38, S51-	SIP 6-310		
		S54, S60-			
		S62, S65,			
		S70			
S24	Hot Oil Heater	S13, S59,	BAAQMD	Temperature	95% control
		S63	8-5-306	•	of VOC

II. Equipment

Table II-B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
			<u>SIP 8-5-306</u>		
S24	Hot Oil Heater	S31	BAAQMD	Temperature	0.17 pounds
			8-6-301		organic
					compounds
					per 1,000
					gallons
S24	Hot Oil Heater	S66	BAAQMD	Temperature	95%
			8-8-301.3 and		combined
			SIP 8-8-301.3		collection and
					destruction
					efficiency
<u>S24</u>	Hot Oil Heater	<u>S27, S67</u>	BAAQMD	<u>Temperature</u>	<u>70%</u>
			8-8-305.2	_	combined
			SIP 8-8-305.2		collection and
					destruction
					efficiency
S24	Hot Oil Heater	S13, S59,	4 0 CFR 40	Temperature	95% control
		S63	CFR, Part	_	of inlet VOC
			60.112b(a)		
			(3)(ii)		
S24	Hot Oil Heater	S5-S8,	40 CFR40	Temperature	0 percent
		S37, S38,	CFR, Part	-	opacity
		S51-S53,	60.472(c)		except for
		S60, S61,	. ,		one
		S62, S65,			consecutive
		S70			15-min period
					in any 24-hr
					period for
					cleaning
S24	Hot Oil Heater	S12, S25,	4 0 CFR	Temperature	95% control
		\$28, \$41,	61.349(a)		of inlet VOC
		S66, S67	(2)(i)(A)		
S24	Hot Oil Heater	S3, S5-S8,	BAAQMD	temperature	Emissions of
		\$12, \$13,	Condition	_	NMHC <
		\$25, <u>\$27,</u>	#1240, Part		42.705 tons
		\$28, \$31,	I.14		per year
		S37, S38,			

II. Equipment

Table II-B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
"	2 correption	S41, -S51-	require carear	2 41 41100015	
		S54, S59,			
		S60-S62,			
		S63, S65,			
		S66, S67,			
		S70, A1,			
		A3, A6,			
		A20			
S24	Hot Oil Heater	S3, S5, S6,	BAAQMD	Temperature	98.5% control
		S7, S8,	Condition	r	of inlet VOC
		S13, S31,	#1240, Part		by weight
		S37, S38,	II.32a		
		S41, S51,			
		S52, S53,			
		S54, S59,			
		S60, S61,			
		S62, S63,			
		S65, S66,			
		<u>870</u>			
S24	Hot Oil Heater	S59	BAAQMD	Temperature	98.5% control
			Condition		of inlet VOC
			#1240, Part		by weight
			H.32b		
S24	Hot Oil Heater	S63	BAAQMD	Temperature	98.5% control
			Condition		of inlet VOC
			#1240, Part		by weight
			II.32e		
S24	Hot Oil Heater	S3	BAAQMD	Temperature	98.5%
			Condition		destruction
			#1240, Part		
			II.43		
S24	Hot Oil Heater	\$5-\$8,	BAAQMD	Temperature	98.5%
		\$37, \$38,	Condition		destruction
		S70	#1240, Part		
			II.55		
S24	Hot Oil Heater	S51-S53,	BAAQMD	Temperature	98.5%
		\$60, \$65	Condition		destruction

Equipment II.

Table II-B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
			#1240, Part		
			II.56		
S24	Hot Oil Heater	S61, S62	BAAQMD	Temperature	98.5%
			Condition		destruction
			#1240, Part		
			H.57		
S24	Hot Oil Heater	S31	BAAQMD	Temperature	98.5%
			Condition		destruction
			1240, Part		
			II.69		
S24	Hot Oil Heater	S54	BAAQMD	Temperature	98.5%
			Condition		destruction
			#1240, Part		
			II.70		
S24	Hot Oil Heater	S66	BAAQMD	Temperature	98.5%
			Condition		destruction
			#1240, Part		
			II.85		
S24	Hot Oil Heater	\$70	BAAQMD	Temperature	98.5%
			Condition		destruction
			20278, Part 3		
A71	Catalyzed Diesel Particulate Filter	S71	BAAQMD	None	None
	THO		Condition		
			22928, Part 2		

Equipment II.

Table II C - Exempt Sources

Each of the following sources has been issued an exemption pursuant to the provisions of BAAQMD Regulation 2, Rule 1.

<u>S-#</u>	Description	Make or Type	Model	Capacity	Throughput
<u>S12</u>	Effluent Wastewater Tank, TK-4606	Fixed Roof		571,000 gal	Exempt (Regulation 2-1-123.2)
<u>S26</u>	Effluent Wastewater Tank, TK-4613	Fixed Roof		3,800 gal	Exempt (Regulation 2-1-123.2)
<u>S28</u>	Effluent Wastewater Tank, TK-4611B	Fixed Roof		88,000 gal	Exempt (Regulation 2-1-123.2)
<u>NA</u>	TK-4609, Spent Caustic	Fixed Roof		51618 gal	Exempt (Regulation 2-1-123.2)
<u>NA</u>	TK-4618, Nalco EC- 1005A	Fixed Roof		330 gal	Exempt (Regulation 2-1-123.2)
<u>NA</u>	TK-4666, NALCO EC- 2425A	Fixed Roof		400 gal	Exempt (Regulation 2-1-123.2)
<u>NA</u>	TK-4673, Liquid Anti- strip AD-HERE LOF 65-00	Fixed Roof		260 gal	Exempt (Regulation 2-1- 123.3.2 IBP)
<u>S32100</u>	Fugitive sources – Vacuum Producing Systems	<u>NA</u>	<u>NA</u>	<u>NA</u>	Exempt
<u>S32101</u>	Fugitive sources – Process Vessel Depressurization	<u>NA</u>	NA	NA	Exempt
<u>S32102</u>	Fugitive sources – Valves and Flanges	<u>NA</u>	<u>NA</u>	NA	Exempt
<u>S32103</u>	Fugitive sources – Pumps & Compressor Seals	<u>NA</u>	<u>NA</u>	<u>NA</u>	Exempt
<u>S32104</u>	Fugitive sources – Pressure Relief Valves	<u>NA</u>	NA	<u>NA</u>	Exempt
<u>S32105</u>	Fugitive sources – Process Drains	<u>NA</u>	<u>NA</u>	<u>NA</u>	Exempt

20

Permit for Facility #: A0901

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

- 1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
- 2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

included at the end of this permit.

NOTE:

There are differences between the current BAAQMD rules and the version of the rules in the SIP. All sources must comply with <u>both</u> versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (7/19/06)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD · Regulation 2 · Rule 5	New Source Review of Toxic Air Contaminants (6/15/05)	<u>N</u>
BAAQMD · Regulation 2 · Rule 9	Permits, Interchangeable Emission Reduction Credits	<u>N</u>
	<u>(6/15/05)</u>	
BAAQMD · Regulation 3	Fees (6/6/07)	<u>N</u>

III. Generally Applicable Requirements

Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP· Regulation 3	Fees (5/3/84)	<u>Y</u>
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/6/90)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6. Rule 1	Particulate Matter and Visible Emissions (12/19/9012/5/07)	¥ <u>N</u>
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	<u>Y</u>
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations 7/20/05)	N
SIP BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	<u>N</u>
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	<u>N</u>
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation	N

22

III. Generally Applicable Requirements

Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
	and Manufacturing (10/7/98)	
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	<u>N</u>
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	<u>N</u>
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	<u>N</u>
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/046/19/95)	Y
40 CFR 40 CFR, Part 82, Subpart F	Protection of Stratospheric Ozone; Recycling and Emissions Reduction (4/13/052/21/95)	
40 CFR 40 CFR, Part 82.156	Leak Repair	Y
40 CFR 40 CFR, Part 82.161	Certification of Technicians	Y
40 CFR 40 CFR, Part 82.166	Records of Refrigerant	Y
40 CFR 40 CFR, Part 82, Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (3/5/98)	
40 CFR40 CFR, Part 82.270(b)	Prohibitions, Halon	Y

Permit for Facility #: A0901

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

- 1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
- 2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+_included_at_the_end_of_this_permit. All other text may be found in the regulations themselves.

Table IV - A General Asphalt Plant Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 1	General Provisions and Definitions (7/19/06)	(=12.9)	
1-301	Public Nuisance Prohibition	N	
1-510	Area Monitoring	Y	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Data Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
1-544	Monthly Summary	Y	
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)		
2-1-429	Federal Emissions Statement	N	
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/2006)		

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>8-5-117</u>	Limited Exemption, Low Vapor Pressure	<u>N</u>	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18	<u>N</u>	
8-5-328	Tank Degassing Requirements	<u>N</u>	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters; Use 90% abatement device	N	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	<u>Y</u>	
<u>8-5-331</u>	Tank Cleaning Requirements, 90% Abatement Efficiency if abatement device used	<u>N</u>	
8-5-332	Sludge Handling Requirements (applies to sludge removed from any tank that was subject to BAAQMD 8-5 at any time since it was last put in service)	<u>N</u>	
<u>8-5-332.1</u>	Sludge Handling Requirements; sludge container no leaks	<u>N</u>	
8-5-332.2	Sludge Handling Requirements; sludge container gap requirements	<u>N</u>	
<u>8-5-404</u>	Inspection, Abatement Efficiency Determination, and Source Test Reports	<u>N</u>	
<u>8-5-411</u>	Enhanced Monitoring Program (Optional)	<u>N</u>	
<u>8-5-411.1</u>	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	<u>N</u>	
8-5-501	Records	<u>N</u>	
8-5-501.3	Records; Retention	<u>N</u>	
<u>8-5-501.4</u>	Records; New pressure vacuum valve setpoints	<u>N</u>	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	<u>N</u>	
8-5-502.2	Source Test Requirements; Tank degassing and cleaning abatement devices	<u>N</u>	
<u>8-5-602</u>	Analysis of Samples, True Vapor Pressure	<u>Y</u>	
8-5-603	<u>Determination of Abatement Efficiency</u>	<u>N</u>	
8-5-604	Determination of Applicability Based on True Vapor Pressure	<u>Y</u>	
SIP BAAQMD	Storage of Organic Liquids (<u>6/5/2003</u> 11/27/02)		
Regulation 8, Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks >75 cubic meters	<u>Y</u>	
8-5-328.1.2	<u>Tank degassing requirements; Tanks >75 cubic meters.</u> An aApproved Emission Control system	Y	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.2	Degassing when ozone excesses are predicted	¥	
8-5-404	Certification	Y	
8-5-502	Tank degassing annual source test requirement	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	¥	
8-5-603	Determination of Emissions	Y	
8-5-603.2	Source tests for tank degassing equipment	Y	
8-5-604	Determinations of Applicability	¥	
BAAQMD Regulation 8, Rule 8	Wastewater Collection and Separation Systems (9/15/2004)		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration or Temperature	N	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	N	
8-8-116	Limited Exemption, Oil-Water Separation Trenches	N	
8-8-304	Sludge Dewatering Unit	N	
8-8-308	Junction Box	Y	
8-8-312	Controlled Wastewater Collection System Components at Petroleum Refineries: Maintain controlled sources vapor tight except during inspection, maintenance, repair, or sampling	N	
8-8-313	Uncontrolled Wastewater Collection System Components at Petroleum Refineries: Comply with 8-8-313.1 or 8-8-313.2 for uncontrolled sources	N	
8-8-313.2	Uncontrolled Wastewater Collection System Components at Petroleum Refineries : Inspection and Maintenance Plan Option	N	
8-8-314	New Wastewater Collection System Components at Petroleum Refineries ; equip new components with water seal or equivalent control	N	
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum Refineries	N	
8-8-402.1	Wastewater Inspection and Maintenance Plans at Petroleum Refineries : ID all components and submit to BAAQMD	N	
8-8-402.2	Wastewater Inspection and Maintenance Plans at Petroleum Refineries; complete initial inspection of components	N	
8-8-402.3	Wastewater Inspection and Maintenance Plans at Petroleum Refineries; implement 8-8-313.2 Inspection and Maintenance Plan	N	
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum Refineries; semi-annual inspections of controlled equipment	N	
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum Refineries; keep records per 8-8-505	N	
8-8-502	Wastewater Critical Organic Compound Concentration or Temperature Records	N	
8-8-504	Portable Hydrocarbon Detector	Y	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-601	Wastewater Analysis for Critical OCs	Y	
8-8-603	Inspection Procedures	N	
SIP	Wastewater (Oil-Water) Separators (8/29/1994)		
Regulation 8, Rule 8			
8-8-112	Exemption, Wastewater Critical OC Concentration or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-304	Sludge Dewatering Unit	Y	
8-8-502	Wastewater Critical OC Concentration and/or Temperature Records	Y	
8-8-601	Wastewater Analysis for Critical OCs	¥	
BAAQMD	Organic Compound - Process Vessel Depressurization (1/21/04)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	<u>N</u>	
8-10-302	Opening of Process Vessels	<u>N</u>	
8-10-401	Reporting		
8-10-401 8-10-501		<u>N</u>	
	Monitoring Concentration Measurement	<u>N</u> <u>N</u>	
8-10-502 8-10-503	Records	_	
		<u>N</u>	
8-10-601	Monitoring Procedures Output: Comment of Process Visual Parameters (7/20/82)	<u>N</u>	
SIP Regulation 8, Rule 10	Organic Compound – Process Vessel Depressurization (7/20/83)		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a	<u>Y</u>	
	knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	<u>Y</u>	
8-10-301.2	combustion at a firebox or incinerator	<u>Y</u>	
8-10-301.3	combustion at a flare	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-301.4	containment such that emissions to atmosphere do not occur	<u>Y</u>	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
<u>8-10-401.1</u>	date of depressurization event	<u>Y</u>	
8-10-401.2	_approximate vessel hydrocarbon concentration when emissions to atmosphere begin	<u>Y</u>	
<u>8-10-401.3</u>	approximate quantity of POC emissions to atmosphere	<u>Y</u>	
BAAQMD Regulation 8, Rule 28	Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (12/21/05)		
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	N	
SIP Regulation 8,	Episodic Releases from Pressure Relief Devices at Petroleum Refineries and Chemical Plants (5/24/04)		
Rule 28			
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y	
BAAQMD · Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95)		
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries	N	
9-1-313.2	Sulfur Removal and Recovery System	N	
9-1-501	Area Monitoring Requirements	Y	
9-1-604	Ground Level Monitoring	Y	
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (6/8/99)		
9-1-313	Sulfur Removal Operations at Petroleum Refineries	¥¹ <u>Y</u>	
9-1-313.2	Sulfur Removal and Recovery System	¥ ⁴ <u>Y</u>	
BAAQMD · Regulation 9, Rule 2	Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)		
9-2-110	Exemptions	N	
9-2-301	Limitations on Hydrogen Sulfide	N	
9-2-501	Area Monitoring Requirements	N	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-2-601	Ground Level Monitoring	N	
BAAQMD	New Source Performance Standards		
Regulation 10	Incorporation by Reference (2/16/00)		
<u>10-1</u>	40 CFR40 CFR, Part 60 Subpart A	<u>Y</u>	
<u>10-17</u>	40 CFR40 CFR, Part 60 Subpart Kb	<u>Y</u>	
BAAQMD · Regulation 11 · Rule 12	NESHAPS Incorporation by Reference, 40 CFR40 CFR, Part-61 Subpart FF Benzene Waste (01/05/1994)	<u>Y</u>	
BAAQMD Manual of Procedures, Volume VI	Air Monitoring Procedures (7/20/94)	N	
SIP Manual of Procedures, Volume VI	Air Monitoring Procedures (5/3/84)	Y	
40 CFR 60 Subpart A	New Source Performance Standards (NSPS) General Provisions (6/1/06)		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and Abbreviations	Y	
60.4	Address	Y	
60.5	Determination of Construction or Modification	Y	
60.6	Review of Plans	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.17	Incorporated by Reference	Y	
60.19	General Notification and Reporting Requirements	Y	
4 0 CFR 40 CFR, Part 60 Subpart Kb	New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After July 23, 1984. (10/15/2003)		
4 0 CFR 40 CFR, Part	Exemption, Low Vapor Pressure	Y	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Pagainement	Regulation Title or	Federally Enforceable	Future Effective
Requirement 60.110b(b)	Description of Requirement	(Y/N)	Date
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1) (i)	Measurement of gaps between tank wall and primary seal	Y	
60.113b(b)(1) (ii)	Measurement of gaps between tank wall and secondary seal	Y	
60.113b(b)(1) (iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
40 CFR40 CFR, Part 61 Subpart A	National Emission Standards for Hazardous Air Pollutants, General Provisions (4/9/04)		
61.01	Lists of Pollutants and Applicability of Part 61	Y	
61.02	Definitions	Y	
61.03	Units and abbreviations	Y	
61.04	Address	Y	
61.05	Prohibited Activities	Y	
61.06	Determination of Construction or Modification	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.08	Approval of construction or modification	Y	
61.09	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.12	Compliance with Standards and Maintenance Requirements	Y	
61.13	Emission Tests and Waiver of Emission Tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.18	Incorporation by reference	Y	
61.19	Circumvention	Y	
40 CFR40 CFR, Part 61 Subpart FF	National Emission Standards for Hazardous Air Pollutants, Benzene Waste Operations (12/4/03)		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Exemption for gaseous streams vented to fuel gas system	Y	
61.341	Definitions	Y	
61.342	Standards: General	Y	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(a)	Requirements for facilities < 10 tons benzene/yearcalculating total annual benzene quantity from facility waste (TAB)	Y	
61.342(b)	Standards: General; Request for waiver of compliance Compliance for facilities with TAB >= 10 Mg/year	Y	
61.342(c)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option Standards: General; Treat benzene containing waste streams in accordance with 61.342(e)(1)(ii), 61.342(e)(1)(iii) and 61.342(e)(1)(iii)	Y	
61.342(c)(1)	Standards: General; Remove or destroy benzene in accordance with 61.348.	¥	
61.342(c)(1) (ii)	Standards: General; Comply with 61.343 through 61.347 for treatment units operated in accordance with 61.342(c)(1)(i)	¥	
61.342(c)(1) (iii)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option Standards: General; Comply with 61.343 through 61.347 for treatment waste management units used for wastes that will be recycled to the process or process feed tank. for recycled wastes. Recycled wastes subject to 61.342(e)	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option Alternative to 61.342(e) and 61.342(d)	Y	
61.342(e)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1); Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1)	Y	
61.342(e)(2)	Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option; Standards: General; Treatment of waste with a flow weighted annual average water content of 10% or more by volume.	Y	
61.342(e)(2) (i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste Uncontrolled aqueous waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ)).	Y	
61.342(e)(2) (ii)	Standards: General; Determine 61.342(e)(2) benzene quality quantity in each uncontrolled aqueous waste stream per 61.355(k).	Y	
61.342(g)	Compliance <u>determined using by</u> review of facility records, results of tests and inspections	Y	
61.343	Standards: Tanks (applies if Baker tanks are used for non-aqueous wastes)	Y	
61.345(a)	Standards: Containers	Y	
61.345(a)(1)	Standards: ContainersCovers	Y	
61.345(a)(1) (ii)	Standards: ContainersOpenings	Y	
61.345(a)(2)	Standards: ContainersWaste Transfer	Y	
61.345(b)	Standards: ContainersQuarterly inspection	Y	

31

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.345(c)	Standards: ContainersRepairs	Y	
61.346(b)	Alternate compliance provisions for Individual Drain Systems	Y	
61.346(b)(1)	Water seals on drains	¥	
61.346(b)(2)	Cover and vent pipe	¥	
61.346(b)(2)	Tight seals on junction boxes	¥	
(i)			
61.346(b)(2)	Control of emissions from junction box vent pipe	¥	
(ii)			
61.346(b)(2)	Prevention of flow of vapors from junction box vent pipe	¥	
(ii)(A)			
61.346(b)(3)	No cracks on exposed sewer lines	Y	
61.346(b)(4)	Equipment Inspections	Y	
61.346(b)(4)	Monitor water seals on drains quarterly	¥	
(i)			
61.346(b)(4)	Monitor seals on junction boxes quarterly	¥	
(iii)			
61.346(b)(4)	Monitor for cracks on exposed sewer lines quarterly	Y	
(iv)			
61.346(b)(5)	Repair as soon as practicable but no later than 15 days after identification	Y	
61.348(a)	Requirements for treatment of waste streams	¥	
61.348(a)(5)	Aggregation of process wastewater, product tank drawdown, or landfill leachate	¥	
61.348(b)	Requirements for facilities that aggregate process wastewater, product tank drawdown, and/or landfill leachate	¥	
61.349	Standards: Closed vent systems and control devices (applies if Baker tanks are used for non-aqueous wastes)	<u>Y</u>	
61.350	Delay of repair	Y	
61.350(a)	Delay of repair; allowed if infeasible without shutdown	<u>Y</u>	
61.350(b)	Delay of repair; complete repairs before end of next unit shutdown	<u>Y</u>	
61.355	Test Methods, Procedures, and Compliance Provisions	Y	
61.355(a)	Determination of total annual benzene quantity (<u>TAB</u>) from facility waste (use procedure to determine target benzene quantity (<u>TBQ</u>) for aqueous wastes per 61.355(k)(1))	Y	
61.355(a)(1)	Waste streams containing more than 10% waterRequirements for determining annual benzene quantity for aqueous wastes (greater than 10% water)	Y	
61.355(a)(2)	Calculation of total annual benzene quantity (TAB) from facility waste	Y	
61.355(a)(3)	TAB rRequirements if annual benzene quantity is greater than 11 ton/yr	Y	

IV. Source Specific Applicable Requirements

Table IV - A General Asphalt Plant Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.355(a)(6)	Benzene quantityCalcualte TAB from streams generated less than once per year	Y	Dute
61.355(b)	Determine annual waste quantity at point of generation <u>unless otherwise</u> specified	Y	
61.355(b)(1)	Determination of annual waste quantity for sour water streams at exit from sour water stripper	Y	
61.355(b)(5)	Method to determine annual waste quantity – Option 1 – Historical records	Y	
61.355(b)(6)	Method to determine annual waste quantity – Option 2 – Maximum design capacity	<u>Y</u>	
61.355(b)(7)	Method to determine annual waste quantity – Option 3 – Measurements must be representative of maximum waste generation rate	Y	
61.355(c)	Determination of flow-weighted annual average benzene concentration	<u>Y</u>	
61.355(c)(1)	Criteria for determination of flow-weighted annual average benzene concentration	Y	
61.355(c)(1) (i)	Criteria for determination of flow-weighted annual average benzene concentration: Determination made at point of waste generation	Y	
61.355(c)(1) (i)(A)	Criteria for determination of flow-weighted annual average benzene concentration: Determination for sour water streams	Y	
61.355(c)(1) (ii)	Criteria for determination of flow-weighted annual average benzene concentration: Volatilization of benzene by exposure to air shall not be used in determination	Y	
61.355(c)(1) (iii)	Criteria for determination of flow-weighted annual average benzene concentration: Mixing or diluting the waste stream shall not be used in determination	Y	
61.355(e)(1) (iv)	Determination shall be made prior to treatment	¥	
61.355(c)(1) (v)	Criteria for determination of flow-weighted annual average benzene concentration Determination for mixed-phase wastes	Y	
61.355(c)(2)	Method for determining flow-weighted annual average benzene concentration – OPTION 1; Knowledge of the waste	Y	
61.355(c)(3)	Method for determining flow-weighted annual average benzene concentration – OPTION 2; Measurements of benzene concentration	Y	
61.355(k)	Determination of <u>target</u> benzene quantity <u>(TBQ)</u> for purposes of calculation required by 61.342(e)(2)	Y	
61.355(k)(1)	TBQ in wWaste streams not controlled for air emissions — use 61.355(a) methods	Y	
61.355(k)(2)	TBQ in wWaste streams controlled for air emissions	Y	
61.355(k)(3)	TBQ in wWaste streams generated less than once per year	Y	
61.355(k)(4)	TBQ – exclusion for waste streams entering an enhanced biodegradation unit	Y	
61.355(k)(5)	Determination of Calculate benzene quantity in waste streams controlled	Y	

IV. Source Specific Applicable Requirements

Table IV - A General Asphalt Plant Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	for air emissions		
61.355(k)(6)	Calculation of total target benzene quantity (TBQ)	Y	
61.355(k)(7)	Multiple counting of benzene quantity of a waste stream	<u>Y</u>	
61.356	Recordkeeping Requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(b)	Recordkeeping Requirements: Waste stream records	Y	
61.356(b)(4)	Recordkeeping Requirements: Waste stream records for controlled waste streams subject to 61.342(e) (Treat to 6 compliance option)	Y	
61.356(d)	Recordkeeping Requirements: Control equipment engineering design	¥	
61.356(e)	Recordkeeping Requirements: Treatment process or unit per 61.348	¥	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349—retain for life of device	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(i)	Recordkeeping Requirements: Treatment process or unit per 61.348	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(k)	Recordkeeping Requirements: Equipment complying with 61.351 or 61.352	<u>Y</u>	
61.357	Reporting Requirements	Y	
61.357(a)(1)	Annual Report [61.357(d)(2)] contents: - Reporting of total annual benzene quantity from facility waste	Y	
61.357(a)(2)	Annual Report [61.357(d)(2)] contents: Table identifying each waste stream and whether controlled	Y	
61.357(a)(3)	Annual Report [61.357(d)(2)] contents: Information for uncontrolled streams	Y	
61.357(d)	Reporting Requirements: Facilities with <u>TAB greater than or equal to 10</u> Mg/yr or more total benzene in waste	Y	
61.357(d)(2)	Annual reports – contents per 61.357(a)(1), (2), and (3)	Y	
61.357(d)(5)	Reports of compliance with alternative requirements-61.342(e) [Treat to 6 compliance option]	Y	
61.357(d)(6)	Quarterly certifications of inspections	Y	
61.357(d)(7)	Quarterly reports	Y	
61.357(d)(7) (iv)	Reports of deviations at control devices	¥	
61.357(d)(7) (iv)(A)	Reports of periods of temperatures of 28°C. or more below design combustion zone temperature for thermal vapor incinerators	¥	
61.357(d)(7)	Reports of periods of temperatures of 28°C. or more below design combustion zone temperature for boiler or process heater less than 150	¥	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
(iv)(C)	MMbtu/hr		
61.357(d)(7)	Reports of change of location at which vent stream introduced into flame	¥	
(iv)(G)	zone		
61.357(d)(7)	Reports of carbon not replaced at predetermined interval	¥	
(iv)(I)			
61.357(d)(8)	Annual rReports of summary of all inspections	Y	
61.357(e)	Notification of alternative standard (61.351 or 61.352)	<u>Y</u>	
61.357(f)	Reporting requirements for equipment complying with 61.351 or 61.352	<u>Y</u>	
4 0 CFR 40	General Provisions of MACT Standards (4/20/06)		
CFR, Part 63 Subpart			
A Subpart			
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.7	Performance test requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control Device Requirements	Y	
63.12	State Authority and Delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Office	Y	
63.14	Incorporation by Reference	Y	
63.15	Availability of Information and Confidentiality	Y	
63.16	Performance Track Provisions	Y	
40 CFR40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (6/23/03)		
63.640(a)	Applicability applies to petroleum refining process units and to related emission points.	Y	
63.640(c)	Applicability and Designation of Affected SourceIncludes all emission points at Refinery	Y	
63.640(d)	Applicability and Designation of Affected SourceExclusions	Y	
63.640(f)	Applicability and Designation of Affected Source-miscellaneous process	Y	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

	D. 1.4. May	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement vents	(Y/N)	Date
62 640(a)	Applicability and Designation of Affected SourceExempt Processes	Y	
63.640(g)			
63.640(h)	Applicability and Designation of Affected SourceCompliance dates	Y	
63.640(i)	Applicability and Designation of Affected SourceNew petroleum refining process unit requirements	Y	
63.640(j)	Applicability and Designation of Affected SourceChanges to existing petroleum refining process units	Y	
63.640(k)	Applicability and Designation of Affected SourceAdditional requirements for new or changed sources	Y	
63.640(1)	Applicability and Designation of Affected SourceAdditions of equipment (i.e. process vents, storage vessels, etc) in Group 1 sources not subject to 63.640(i) or (k).	Y	
63.640(m)	Applicability and Designation of Affected SourceChanges causing Group 2 emission points to become Group 1 points	Y	
63.640(q)	For overlap of subpart CC with local or State regulations, the permitting authority for the affected source may allow consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart.	Y	
63.641	Definitions: (arranged alphabetically) Group 1 wastewater stream, Group 2 wastewater stream, miscellaneous process vents (specifically does not include emissions from wastewater collection and conveyance systems).	Y	
63.642	General Standards	Y	
63.642(a)	Apply for a part 70 or part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	Initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	Keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	All reports required by this subpart shall be sent to the Administrator	Y	
63.642(i)	Existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for other emission points.	Y	
63.642(k)	Existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.647(a)	Comply with 61.340-61.355 (Subpart FF). Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of part 61, subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(b)	Wastewater Provisions	Y	
63.647(c)	Periodic measurement of benzene concentrations	Y	
63.654(a)	Compliance with in recordkeeping in 40 CFR 10 CFR Part 61, Subpart	Y	

IV. Source Specific Applicable Requirements

Table IV - A **General Asphalt Plant Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	FF		
63.654(e)	Periodic Reporting and Recordkeeping Requirements	Y	
63.654(g)	Semi-Annual Reporting and Recordkeeping Requirements	Y	
63.654(h)(1)	Reports of startup, shutdown, and malfunction	Y	
63.654(h)(2)	Notifications of inspections for storage vessels	Y	
63.654(i)(1)	Records for storage vessels	Y	
63.654(i)(4)	Information required by 63.654(h)	Y	
Appendix Table 1	Hazardous Air Pollutants	Y	
Appendix Table 6	Hazardous Air Pollutants General Provisions Applicability to Subpart CC	Y	
40 CFR Part 98	Mandatory Greenhouse Gas Reporting	<u>Y</u>	
Subpart A	General Provisions	<u>Y</u>	
Subpart C	General Stationary Fuel Combustion Sources	<u>Y</u>	
Subpart Y	Petroleum Refineries	<u>Y</u>	
Subpart MM	Suppliers of Petroleum Products	<u>Y</u>	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.15	Restriction on use of asphalt plant wastewater and refinery wastewater for dust control (cumulative increase)	Y	
Part I.18	NMHC and NOx estimates (Cumulative Increase)	Y	
Part IV.1	Water seals, P-traps, caps, covers on process water drains (1-301)	N	
BAAQMD Condition #20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	Y	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	Y	

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements

S1, S2, S4, S23-CRUDE STORAGE TANKS

(Deleted in Revision 2. Ownership of S1, S2, S4, and S23 transferred to Facility B5574 by Application No. 7980/8915)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date

38

IV. Source Specific Applicable Requirements

Table IV - **B** \mathbf{C} ${\bf Source\text{-}specific\ Applicable\ Requirements}$ S3, GAS OIL STORAGE TANK, TK-4601C

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			
Rule 5			
8-5-117	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
BAAQMD	Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)		
SIP			
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40-CFR40	National Emission Standards for Hazardous Pollutants for Petroleum		
CFR, Part	Refining (6/23/03)		
63 Subpart	Requirements for Group 2 Tanks		
CC			
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	<u>Y</u>	
63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i) (1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels	Y	
63.654(i)(1) (iv)	Reporting and Recordkeeping RequirementsRecordkeeping for Group 2 storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping RequirementsRecordkeepingRecord retention	Y	
BAAQMD			
Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	

39

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV – <u>B</u>€ Source-specific Applicable Requirements S3, GAS OIL STORAGE TANK, TK-4601C

		Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
-	Control and Destruction Efficiency Requirement (Regulation		Date
Part II.32a	8-5-306, NSPS, Cumulative Increase, BACT, Toxics)	<u>Y</u>	
Part II.40	Storage of materials other than gas oil (Cumulative Increase, Toxics)	Y	
Part II.41	Storage of at least 38,400,000 gallons gas oil per yr (Offsets)	Y	
Part II.42	Vapor pressure requirement (Cumulative Increase, NSPS)	Y	
Part II.43	Control Requirement (BACT, Cumulative Increase, offsets)	¥	
Part II.44	Vapor recovery and fugitive emission requirement (BACT, Cumulative	¥	
	Increase, offsets)		
Part II.45	Requirement for gasketted tank fittings (BACT)	Y	
Part II.46	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part	Y	
	60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40		
	CFR 61.354(c)(1), 61.354(e)(4), , Regulation 2-6-409.2.2, 2-6-414))		
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	<u>Y</u>	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	
BAAQMD			
Condition #20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	<u>Y</u>	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with	<u>Y</u>	
D + 2	vapor pressure > 0.5 psia	37	
Part 3	Retain results of vapor pressure testing for five years	<u>Y</u>	

Table IV - D-C
Source-specific Applicable Requirements
S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65
ASPHALT STORAGE TANKS
S37, S38, Rubberized Asphalt Sales Tanks

IV. Source Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible Emissions		
Regulation 62	(12/19/90 <u>12/5/2007</u>)		
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>N</u>	
_	Appraisal of Visible Emissions		
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>Y</u>	
	Appraisal of Visible Emissions		
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			
Rule 5			
<u>8-5-117</u>	Limited Exemption, Low Vapor Pressure	<u>N</u>	
BAAQMD	Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)		
SIP			
Regulation 8,			
Rule 5		***	
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD Regulation 8,	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Rule 15			
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD	New Source Performance Standards		
Regulation	Incorporation by Reference (2/16/00)		
10			
10-51	40 CFR40 CFR, Part, -60 Subpart UU	<u>Y</u>	
40 CFR40	Standards of Performance for Asphalt Processing and Asphalt		
CFR, Part 60	Roofing Manufacture (10/17/00)		
Subpart UU			
<u>60.470(a)</u>	Applicability and designation of affected facilities; asphalt storage tanks	<u>Y</u>	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - D-<u>C</u>

Source-specific Applicable Requirements

S5, S6, S7, S8, <u>S37, S38, S51, S52, S53, S60, S61, S62, S65</u>

ASPHALT STORAGE TANKS

S37, S38, RUBBERIZED ASPHALT SALES TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	<u>Y</u>	
60.472(c)	Asphalt storage tank oOpacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine opacity	<u>Y</u>	
40 CFR40 CFR, Part 63	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03)		
Subpart CC	Requirements for Group 2 Tanks		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vessels	<u>Y</u>	
63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(i) (1)	Reporting and Recordkeeping RequirementsRecordkeeping for_storage vessels	Y	
63.654(i)(1) (iv)	Reporting and Recordkeeping RequirementsRecordkeeping for <u>Group 2</u> storage vessels	Y	
63.654(i)(4)	Reporting and Recordkeeping RequirementsRecordkeepingRecord retention	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation	<u>Y</u>	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - D-<u>C</u>

Source-specific Applicable Requirements

S5, S6, S7, S8, <u>S37, S38, S51, S52, S53, S60, S61, S62, S65</u>

ASPHALT STORAGE TANKS

S37, S38, RUBBERIZED ASPHALT SALES TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	8-5-306, NSPS, Cumulative Increase, BACT, Toxics)		
Part II.48	Combined Throughput Limit <u>S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 (</u> Cumulative Increase, Offsets)	Y	
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit <u>S5, S6, S7, S8, S37, S38, S51, S52, S53, S60</u> (Cumulative Increase, Offsets)	Y	
Part II.51	Vapor Pressure Limit S61, S62 (Cumulative Increase, Offsets, BACT)	<u>Y</u>	
Part II.52	Vapor Pressure Limit S65 (Cumulative Increase, Offsets, BACT)	<u>Y</u>	
Part II.55	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	¥	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(c)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.93	Contain Emissions in Closed Vent System for S5, S6, S7, S8. (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System for S37, S38, S51, S52, S53, S60, S61, S62, S65. (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	
BAAOMD Condition #20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	<u>Y</u>	
Part 2	Requirements to switch from low vapor pressure liquid to liquid with vapor pressure > 0.5 psia	Y	
Part 3	Retain results of vapor pressure testing for five years	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - <u>D</u>€ **Source-specific Applicable Requirements** S9, NAPHTHA STORAGE TANK, TK-4607 INTERNAL FLOATING ROOF TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	<u>N</u>	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	<u>N</u>	
	Tank in compliance at time of notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	<u>Y</u>	
	<u>Filling</u> , emptying, refilling floating roof tanks		
<u>8-5-111.5</u>	Limited Exemption, Tank Removal From and Return to Service;	<u>N</u>	
	Minimize emissions and, if required, degas per 8-5-328		
<u>8-5-111.6</u>	Limited Exemption, Tank Removal From and Return to Service;	<u>N</u>	
	Self report if out of compliance during exemption period		
<u>8-5-112</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	<u>Tanks in Operation</u>		
<u>8-5-112.1</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>Y</u>	
	<u>Tanks in Operation; Notification</u>		
<u>8-5-112.2</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Tank in compliance at time of notification		
<u>8-5-112.3</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>Y</u>	
	Tanks in Operation; No product movement, Minimize emissions		
<u>8-5-112.4</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Not to exceed 7 days		
<u>8-5-112.5</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Self report if out of compliance during		
	<u>exemption period</u>		
<u>8-5-112.6</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Keep records for each exemption		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-119</u>	<u>Limited Exemption, Repair Period</u>	<u>N</u>	
<u>8-5-301</u>	Storage Tank Control Requirements	<u>N</u>	
<u>8-5-305</u>	Requirements for Internal Floating Roof Tanks;	<u>N</u>	
8-5-305.2	Requirements for Internal Floating Roof Tanks; Seals installed after 2/1/1993	<u>Y</u>	
8-5-305.3	Requirements for Internal Floating Roof Tanks; Viewports in fixed	<u>Y</u>	
	roof tank; not required if dome roof has translucent planels.	_	
8-5-305.4	Requirements for internal Floating Roof Tanks; Tank fittings (8-5-	<u>Y</u>	
	320)	_	
8-5-305.5	Requirements for internal Floating Roof Tanks; Floating roof	N	
	requirements	_	
8-5-305.6	Requirements for internal Floating Roof Tanks; Tank shell	N	
8-5-320	Floating Roof Tank Fitting Requirements	<u>N</u>	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid	N	
	surface		
L	1 ———		1

IV. Source Specific Applicable Requirements

Table IV - <u>DE</u> Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u> <u>INTERNAL FLOATING ROOF TANK</u>

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals,	<u>N</u>	
	<u>lids</u>		
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	<u>Y</u>	
8-5-320.3.2	Floating Roof Tank Fitting Requirements; Inaccessible opening	<u>Y</u>	
	<u>requirements</u>		
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	<u>Y</u>	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or	<u>Y</u>	
0 3 320.1.1	gauging wells; Projection below liquid surface	<u> </u>	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or	<u>Y</u>	
	gauging wells; Cover, seal, or lid gap requirements	_	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or	<u>Y</u>	
	gauging wells; Total secondary seal gap must include well gap		
<u>8-5-320.5</u>	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells	<u>N</u>	
8-5-320.5.1	Floating Roof Tank Fitting Requirements; Slotted sampling or	<u>Y</u>	
0 3 320.3.1	gauging wells; Projection below liquid surface	<u> </u>	
8-5-320.5.2	Floating Roof Tank Fitting Requirements; Slotted sampling or	<u>N</u>	
	gauging wells; Cover, gasket, pole sleeve	_	
8-5-320.5.3	Floating Roof Tank Fitting Requirements; Slotted sampling or	<u>Y</u>	
0.5.004	gauging wells; Total secondary seal gap must include well gap		
8-5-321	Primary Seal Requirements	<u>N</u>	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	<u>Y</u>	
8-5-321.2	Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	<u>Y</u>	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	<u>N</u>	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	$\underline{\mathbf{Y}}$	
8-5-322	welded tanks Secondary Seal Requirements	N	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	<u>N</u> Y	
8-5-322.2	Secondary Seal Requirements, Insertion of probes	<u> </u>	
8-5-322.3	Secondary Seal Requirements; Gap requirements for all tanks	Y	
8-5-322.5	Secondary Seal Requirements; Gap requirements for welded external	<u> </u>	
<u>6-3-322.3</u>	floating roof tanks with seals installed after 9/4/1985 or welded	1	
	internal floating roof tanks with seals installed after 2/1/1993		
8-5-322.6	Secondary Seal Requirements; Extent of seal	<u>Y</u>	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	<u>N</u>	
8-5-328.2	Tank Degassing Requirements; Ozone excess day prohibition	<u>Y</u>	
8-5-328.3	Tank Degassing Requirements; BAAQMD notification required	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - <u>D</u>€ Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, TK-4607 INTERNAL FLOATING ROOF TANK

•		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-331	Tank Cleaning Requirements; 90% Abatement Efficiency if	N	
	abatement device used	_	
8-5-331.1	Tank Cleaning Requirements; Cleaning material properties	N	
8-5-331.2	Tank Cleaning Requirements; Steam cleaning prohibition	<u>N</u>	
8-5-331.3	Tank Cleaning Requirements; Steam cleaning exceptions	<u>N</u>	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	<u>N</u>	
<u>8-5-402.1</u>	Inspection Requirements for Internal Floating Roof Tanks; Primary and secondary seal inspections	<u>Y</u>	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspections of Outermost Seal	<u>N</u>	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspections	<u>N</u>	
<u>8-5-404</u>	Inspection, Abatement Efficiency Determination, and Source Test Reports	<u>N</u>	
<u>8-5-411</u>	Enhanced Monitoring Program (Optional)	<u>N</u>	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	<u>N</u>	
8-5-501	Records	<u>N</u>	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	<u>Y</u>	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	<u>Y</u>	
8-5-501.3	Records; Retention	<u>N</u>	
8-5-602	Analysis of Samples, True Vapor Pressure	<u>Y</u>	
8-5-604	Determination of Applicability Based on True Vapor Pressure	<u>Y</u>	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	<u>N</u>	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument	<u>N</u>	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	<u>N</u>	
8-5-606	Analysis of Samples, Tank Cleaning Agents	<u>N</u>	
8-5-606.1	Analysis of Samples, Tank Cleaning Agents; IBP	<u>N</u>	
8-5-606.2	Analysis of Samples, Tank Cleaning Agents; TVP	<u>N</u>	
<u>8-5-606.3</u>	Analysis of Samples, Tank Cleaning Agents; VOC	<u>N</u>	
BAAQMD SIP Regulation 8, Rule 5	Storage of Organic Liquids (11/27/02 06/05/2003)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Notice to the APCO	¥	1
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Continuous and quick filling, emptying and refilling	¥	1
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	1

46

IV. Source Specific Applicable Requirements

Table IV - <u>DE</u> Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u> <u>INTERNAL FLOATING ROOF TANK</u>

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance with Section 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Notice to the APCO	¥	
8-5-112.2	<u>Limited Exemption, Tanks in Operation;</u> Compliance and	Y	
	eertification-before commencement of work <u>and certified per 8-5-404</u>		
8-5-112.3	No product movement; minimization of emissions	¥	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-117	Limited Exemption, Low Vapor Pressure	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
0-3-301	floating roof, or approved emission control system)	1	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for seals installed after 2/1/93	¥	
8-5-305.3	Three viewing ports	¥	
8-5-305.4	Fitting requirements in BAAQMD Regulation 8-5-320	¥	
8-5-305.5	Requirements for Internal Floating Roof Tanks; Floating roof	Y	
	requirements		
8-5-320	Tank fitting requirements	Y	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid	Y	
	surface. Openings in the floating roof except p/v valves and vacuum		
	breaker vents		
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals,	Y	
	lidsOpenings in the floating roof except floating roof legs		
8-5-320.4	Solid sampling or gauging wells and similar fixed projections	¥	
8-5-320.4.1	The well shall provide a projection below the liquid surface	¥	
8-5-320.4.2	The well shall be equipped with a cover	¥	
8-5-320.4.3	The gap between the well and the roof	¥	
<u>8-5-320.5</u>	Floating Roof Tank Fitting Requirements; Slotted sampling or gauging wells	<u>Y</u>	
8-5-320.5.2	Floating Roof Tank Fitting Requirements; Slotted sampling or	<u>Y</u>	
	gauging wells; Cover, gasket, pole sleeve		
8-5-321	Primary seal requirements	Y	
8-5-321.1	No holes, tears, or other openings in the primary seal fabric	¥	
8-5-321.2	The seal shall be liquid mounted except as provided in 8-5-305.1.3	¥	
8-5-321.3	Primary Seal Requirements: Metallic-shoe-type seals requirements	Y	
8-5-321.3.1	Geometry of shoe	¥	
8-5-321.3.2	Gaps for welded tanks	¥	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	No holes, tears, or other openings in the secondary seal	¥	

IV. Source Specific Applicable Requirements

Table IV - <u>DE</u> Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u> <u>INTERNAL FLOATING ROOF TANK</u>

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-322.2	Insertion of probes	¥	
8-5-322.3	Gap length	¥	
8-5-322.5	Gaps for welded tanks with seals installed after 2/1/93	¥	
8-5-322.6	Secondary seal shall extend from roof to tank shell, shall not be	¥	
	attached to the primary seal.		
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks larger than 75 m ³	Y	
8-5-328.1.2	Tank degassing requirements; Tanks larger than 75 m ³ ;	Y	
	Concentration of organic compounds in tank of < 10,000 ppm as		
	methane after degassing		
8-5-328.2	Tank degassing when ozone excess is predicted	¥	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual	<u>Y</u>	
	Inspection of Outermost Seal		
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank	<u>Y</u>	
	Fitting Inspections		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-405.1	Information required; Date of inspection	Y	
8-5-405.2	Information required: Actual gap measurements	Y	
8-5-405.3	Information required; Data, supported calculation	Y	
8-5-501	Records	Y	
8-5-503	Portable hydrocarbon detector	Y	
BAAQMD	New Source Performance Standards		
Regulation	Incorporation by Reference (2/16/00)		
10			
<u>10-17</u>	40 CFR40 CFR, Part 60 Subpart Kb	<u>Y</u>	
BAAQMD ·	NESHAPS Incorporation by Reference, 40 CFR40 CFR, Part	<u>Y</u>	
Regulation	61 Subpart FF Benzene Waste (01/05/1994)		
11 · Rule 12			
4 0 CFR 40	New Source Performance Standard for Storage Vessels for	¥	
CFR, Part 60	Petroleum Liquids for Which Construction, Reconstruction or		
Subpart Kb	Modification Commenced After July 23, 1984. (10/15/03)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cubic meter, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y	
	tanks> 151 cubic meter with maximum TVP >=5.2 kPa and <76.6;		
	or >= 75 cubic meter and < 151 cubic meter with maximum TVP >=		
	27.6 kPa and < 76.6 kPa		
60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC), internal floating	Y	
	roof option		
60.112b(a)(1)	Requirements for internal floating roof resting or floating on liquid	Y	
(i)	surface. Exempt if the floating roof is landed on its support legs.		
	When roof is resting on support legs, filling, emptying, and refilling		

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - <u>DE</u> Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u> <u>INTERNAL FLOATING ROOF TANK</u>

Applicable	Regulation Title or	Federally Enforceable	Future Effective
	_		Date
Requirement	Description of Requirement shall proceed as quickly as possible.	(Y/N)	Date
60.112b(a)(1)	Requirement for two seals, one mounted above the other	Y	
(ii)(B)	Requirement for two sears, one mounted above the other	1	
60.112b(a)(1)	Openings except for automatic bleeder vents and rim space vents	Y	
(iii)	must provide projection below liquid surface.		
60.112b(a)(1)	Openings in internal floating roof	Y	
(iv)			
60.112b(a)(1)	Automatic bleeder vents	Y	
(v) 60.112b(a)(1)	Dim angga yanta	Y	
(vi)	Rim space vents	Y	
60.112b(a)(1)	Sample wells	Y	
(vii)	Sample Wells	1	
60.112b(a)(1)	Penetrations allowing for passage of columns	Y	
(viii)			
60.112b(a)(1)	Penetrations allowing for passage of ladders	Y	
(ix)			
60.113b	Testing and procedures	Y	
60.113b(a)	Inspections for internal floating roofs	Y	
60.113b(a)(1)	Testing and Procedures; Internal floating roof visual inspection before filling	Y	
60.113b(a)(2)	Testing and Procedures; Internal floating roof tanks with liquid	Y	
00.1130(u)(2)	mounted or mechanical shoe primary seal, annual inspection	1	
60.113b(a)(3)	Testing and Procedures; Internal floating roof with double seal	Y	
(ii)	system, annual inspection		
60.113b(a)(4)	Testing and Procedures; Internal floating roof inspections after emptied and degassed	Y	
60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(a)	Record keeping and reporting requirements	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
	floating roof control equipment description and certification		
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y	
60.116b	Monitoring of operations	Y	
60.116b(a)	Retention of record for two years	Y	
60.116b(b)	Records of dimensions and capacity	Y	
60.116b(c)	Records of VOL stored, period of storage, and maximum true vapor	Y	
	pressure		

IV. Source Specific Applicable Requirements

Table IV - <u>DE</u> Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u> <u>INTERNAL FLOATING ROOF TANK</u>

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.116b(e)	Determination of vapor pressure for crude oil or refined petroleum products	Y	
60.116b(e)(1)	Monitoring of Operations; Determine TVP-temperature selection based on tank operating temperatures	Y	
60.116b(e)(2) (i)	use of API nomographs to determine true vapor pressure	Y	
60.116b(e)(2) (ii)	determination of true vapor pressure under special circumstances	Y	
40 CFR40 CFR, Part 61 Subpart FF	National Emission Standards for Hazardous Pollutants Benzene Waste Operations (12/04/2003) Requirements for Internal Floating Roof Tanks		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	<u>Y</u>	
61.342	Standards: General	<u>Y</u>	
61.342(c)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option	<u>Y</u>	
61.342(c)(1) (iii)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option omply with 61.343 through 61.347 for waste management units used for wastes that will be recycled to the process or process feed tank.	Y	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	Y	
61.342(e)(1)	Requirements for treating non-aqueous wastes (less than 10% water) for compliance with 61.342(e) compliance option – comply with 61.342(c)(1);	Y	
61.342(g)	Compliance determined by review of facility records, results of tests and inspections	<u>Y</u>	
61.343(a)	Standards: Tanks; Benzene-containing wastes	Y	
61.346(b)	Alternate compliance provisions for Individual Drain Systems	Y	
61.346(b)(3)	No cracks on exposed sewer lines	<u>Y</u>	
61.346(b)(4)	Equipment Inspections	<u>Y</u>	
61.346(b)(4) (iv)	Monitor for cracks on exposed sewer lines quarterly	<u>Y</u>	
61.346(b)(5)	Repair as soon as practicable but no later than 15 days after identification	<u>Y</u>	
61.350	Delay of repair	<u>Y</u>	
61.350(a)	Delay of repair; allowed if infeasible without shutdown	<u>Y</u>	
61.350(b)	Delay of repair; complete repairs before end of next unit shutdown	<u>Y</u>	
61.351(a)(1)	Alternative Standards for Tanks; Internal floating roof meeting requirements of 40 CFR40 CFR, Part 60.112b(a)(1)	<u>Y</u>	
61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	<u>Y</u>	
61.356(g)	Recordkeeping Requirements: Records of visual inspections of individual drain systems required by 61.346	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - <u>D</u>€ Source-specific Applicable Requirements S9, NAPHTHA STORAGE TANK, TK-4607 INTERNAL FLOATING ROOF TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.356(k)	Recordkeeping Requirements: 61.351 control equipment must	<u>Y</u>	
	comply with 40 CFR40 CFR, Part 60.115b	_	
61.357(f)	Reporting Requirements: 61.351 control equipment must comply	<u>Y</u>	
	with 40 CFR 40 CFR, Part 60.115b		
40 CFR40	National Emission Standards for Hazardous Pollutants for		
CFR, Part 63	Petroleum Refining (6/23/03)		
Subpart CC			
63.640(c)(2)	Applicability and Designation of Affected Source – storage	Y	
	vesselsAffected sources: Tanks		
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage Vessels: Compliance Tanks subject to 40 CFR 40 CFR, Part		
	Subpart Kb comply with 40 CFR40 CFR, Part Subpart Kb is		
	compliance with this part except as provided in 40 CFR 40 CFR, Part		
(2 (40()(0)	60.640(n)(8).	37	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsAdditional requirements for Kb storage vesselsNSPS Kb internal floating roof tanks		
63.640(n)(8)	Structurally unsound roofs	Y	
(ii)	Structurarry unsound roots	1	
63.640(n)(8)	Extensions for compliance	Y	
(iii)	Latensions for compitance	1	
63.640(n)(8)	Additional reports if extension is used	Y	
(iv)	reditional reports if extension is used	1	
63.640(n)(8)	Subpart Kb reports may be submitted for this subpart. Permit holder	Y	
(v)	has 60 days in lieu of Subpart Kb deadline.	-	
BAAQMD	1		
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
	(Cumulative Increase)		
Part II.25	Storage of Materials Other than Naphtha (Cumulative Increase,	Y	
	Toxics)		
Part II.26	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	
Part II.27a	Internal Floating Roof Requirements (Cumulative Increase, NSPS)	Y	
Part II.28	Throughput Limit (Cumulative Increase, Toxics)	Y	
Part II.29	Recordkeeping (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - **EF** Source-specific Applicable Requirements S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B) -EXEMPT EFFLUENT WASTEWATER TANKS

Amuliaabla	Domilation Title on	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,			
Rule 5	Limited Engage in Law Venne Description	<u>N</u>	
<u>8-5-117</u>	Limited Exemption, Low Vapor Pressure	<u>1N</u>	
SIP	Organic Compounds, Storage of Organic Liquids		
BAAQMD	(<u>6/5/03</u> 11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR40	National Emission Standards for Benzene Waste Operations	¥	
CFR, Part 61	(12/4/03)		
Subpart FF	Requirements for Uncontrolled Aqueous Waste Streams in 6BQ		
(1.210/.)	<u>Facility</u>		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery,	Y	
<1.011	petroleum refineries		
<u>61.341</u>	<u>Definitions</u>	<u>Y</u>	
<u>61.342</u>	Standards: General	<u>Y</u>	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10	<u>Y</u>	
	Mg/year		
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	<u>Y</u>	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes	Y	
	(greater than 10% water) for compliance with 61.342(e) compliance		
	option;		
61.342(e)(2)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not	<u>Y</u>	
<u>(i)</u>	contain more than 6.0 Mg/yr benzene (target benzene quantity		
	<u>(TBQ).</u>		
61.342(e)(2)	Standards: General; Determine 61.342(e)(2) benzene quantity in	<u>Y</u>	
<u>(ii)</u>	each uncontrolled aqueous waste stream per 61.355(k).		
61.343(a)	Standards: Tanks; Benzene-containing wastes	¥	
61.343(a)(1)	Standards: Tanks; Fixed Roof-with closed vent system	¥	
61.343(a)(1)	Standards: Tanks; Fixed RoofNo openings	¥	
(i)(B)			
61.343(a)(1)	Standards: Tanks; Closed vent systems are subject to 61.349	¥	
(ii)			
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	¥	
61.343(d)	Standards: Tanks; Fixed roof repairs	¥	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	¥	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	¥	
	system requirements		
61.349(a)(1)	Standards: Closed-vent systems and Control Devices Closed vent	¥	
(i)	system-no detectable emission >/= 500 ppmv, annual inspection		
61.349(a)(1)	Car-sealed valves on bypass lines in closed-vent system	¥	

IV. Source Specific Applicable Requirements

Table IV - **EF** Source-specific Applicable Requirements S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B) -EXEMPT EFFLUENT WASTEWATER TANKS

_		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
(ii)(B)			
61.349(a)(1)	Gauging/sampling devices are gas-tight	¥	
(iii)			
61.349(a)(1)	Safety valve provisions	¥	
(iv)			
61.349(a)(2)	Standards: Closed Vent Systems and Control Devices; Control	¥	
	device requirements		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Enclosed	¥	
(i)	combustion device requirements		
61.349(a)(2)	Controlled by enclosed combustion device with greater than 95%	¥	
(i)(A)	control efficiency.		
61.349(b)	Operated at all times.	¥	
61.349(e)	Standards: Closed Vent Systems and Control Devices; Control Device Performance Demonstration	¥	
61.349(c)(2)	Performance tests	¥	
61.349(e)	Administrator may request performance tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(c)	¥	
61.354(e)	Monitoring of Operations; Closed-vent systems and control	¥	
01.50 .(0)	devices Continuously monitor control device operation	•	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	¥	
61.354(e)(4)	Monitoring of Operations; Boiler or process heaters	¥	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	¥	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	¥	
61.355(i)	Performance test procedures	¥	
61.356(a)	Recordkeeping and retention requirements	¥	
61.356(f)(3)	Records of performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: periods when closed vent system and	¥	
61.356(j)(3) (i)	eontrol device are not operating Recordkeeping Requirements; Bypass Line Controls	¥	
61.356(j)(4)	Recordkeeping Requirements: Control device operation—Thermal vapor incinerator	¥	
61.356(j)(6)	Recordkeeping Requirements: Control device operation-process	¥	

IV. Source Specific Applicable Requirements

Table IV - <u>E</u>F Source-specific Applicable Requirements S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B) -EXEMPT EFFLUENT WASTEWATER TANKS

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR40	National Emission Standards for Hazardous Pollutants for	(: ')	
CFR, Part 63	Petroleum Refining (6/23/03)		
Subpart CC	Requirements for Group 2 Wastewater Streams		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
<u>63.641</u>	<u>Definitions</u>	<u>Y</u>	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	¥	
63.647(e)	Operation consistent with minimum or maximum permitted	¥	
	concentrations or operating parameter values		
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR	¥	
	61, Subpart FF, Sections 356 and 357		
BAAQMD			
Condition			
#1240		**	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources	Y	
D I 10:	(Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and	¥	
Fart H.Jou	60.113b(c)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1),	+	
	61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)		
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative	Y	
14111.55	Increase)	<u> </u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	
BAAQMD			
Condition			
#20762			
Part 1	Vapor Pressure Verification when switching exempt storage liquids	<u>Y</u>	
Part 2	Requirements to switch from low vapor pressure liquid to liquid	Y	
	with vapor pressure > 0.5 psia		
Part 3	Retain results of vapor pressure testing for five years	<u>Y</u>	

54

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - FG Source-specific Applicable Requirements S13, KEROSENE TANK, TK-4608 #8 S59, GAS OIL TANK, TK-4605 S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	<u>N</u>	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	<u>Y</u>	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	<u>N</u>	
	Tank in compliance at time of notification		
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; use	<u>Y</u>	
	vapor recovery during filling and emptying tanks so equipped		
<u>8-5-111.5</u>	Limited Exemption, Tank Removal From and Return to Service;	<u>N</u>	
	Minimize emissions and, if required, degas per 8-5-328		
<u>8-5-111.6</u>	Limited Exemption, Tank Removal From and Return to Service;	<u>N</u>	
	Self report if out of compliance during exemption period		
<u>8-5-112</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation		
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of	<u>Y</u>	
	Tanks in Operation; Notification		
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Tank in compliance at time of notification		
<u>8-5-112.3</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>Y</u>	
	Tanks in Operation; No product movement, Minimize emissions		
<u>8-5-112.4</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Not to exceed 7 days		
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Self report if out of compliance during		
	exemption period		
<u>8-5-112.6</u>	Limited Exemption, Preventative Maintenance and Inspection of	<u>N</u>	
	Tanks in Operation; Keep records for each exemption		
<u>8-5-117</u>	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
<u>8-5-118</u>	Limited Exemption, Gas Tight Requirement for approved emission	<u>N</u>	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - FG Source-specific Applicable Requirements S13, KEROSENE TANK, TK-4608 #8 S59, GAS OIL TANK, TK-4605 S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Requirement	control system in 8-5-306.2 does not apply if facility is subject to	(1/14)	Date
	BAAQMD 8-18		
8-5-119	Limited Exemption, Repair Period	<u>N</u>	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set Pressure	N N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas Tight Requirement	N N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-306.1	Requirement for Approved Emission Control Systems; Abatement efficiency >=90%	<u>N</u>	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks	N	
8-5-307.1	Requirements for Fixed Roof Tanks, Pressure Tanks and Blanketed Tanks; No liquid leakage through shell	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank Degassing Requirements; Ozone excess day prohibition	N	
8-5-328.3	Tank Degassing Requirements; BAAQMD notification required	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-331.1	Tank Cleaning Requirements; Cleaning material properties	<u>N</u>	
8-5-331.2	Tank Cleaning Requirements; Steam cleaning prohibition	<u>N</u>	
<u>8-5-331.3</u>	Tank Cleaning Requirements; Steam cleaning exceptions	<u>N</u>	
8-5-403	Inspection Requirements for Pressure Relief Devices	<u>N</u>	
<u>8-5-403.1</u>	Inspection Requirements for Pressure Relief Devices; Pressure vacuum valves gas tight standards in 8-5-303	<u>N</u>	
8-5-403.2	Inspection Requirements for Pressure Relief Devices; PRDs except pressure vacuum valves gas tight standards in 8-5-307.3	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	<u>N</u>	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance	N	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - FG Source-specific Applicable Requirements S13, KEROSENE TANK, TK-4608 #8 S59, GAS OIL TANK, TK-4605 S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631

NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
-	requirements		
8-5-501	Records	<u>Y</u>	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	<u>Y</u>	
8-5-501.3	Records; Retention	<u>N</u>	
8-5-501.4	Records; New pressure vacuum valve setpoints	<u>N</u>	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	<u>N</u>	
8-5-502.1	Source Test Requirements; Annual source test for approved emission control systems and abatement devices for 8-5-303.2, 8-5-306.1, 8-5-307.3	N	
8-5-602	Analysis of Samples, True Vapor Pressure	<u>Y</u>	
8-5-603	Determination of Abatement Efficiency	<u>N</u>	
8-5-604	Determination of Applicability Based on True Vapor Pressure	<u>Y</u>	
<u>8-5-605</u>	Measurement of Leak Concentration and Residual Concentrations	<u>N</u>	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA Method 21 Instrument	<u>N</u>	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Test Methods	N	
8-5-606	Analysis of Samples, Tank Cleaning Agents	<u>N</u>	
8-5-606.1	Analysis of Samples, Tank Cleaning Agents; IBP	<u>N</u>	
8-5-606.2	Analysis of Samples, Tank Cleaning Agents; TVP	<u>N</u>	
8-5-606.3	Analysis of Samples, Tank Cleaning Agents; VOC	<u>N</u>	
SIP BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (<u>06/05/2003</u> <u>11/27/02</u>)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Notice to the APCO	¥	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - FG Source-specific Applicable Requirements S13, KEROSENE TANK, TK-4608 #8 S59, GAS OIL TANK, TK-4605 S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.4	Use of vapor recovery	¥	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.111.6	Minimization of emissions	37	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Notice to the APCO	¥	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and	Y	
0 3 112.2	certification before commencement of work and certified per 8-5- 404	•	
8-5-112.3	No product movement; minimization of emissions	¥	
8-5-112.4	<u>Limited Exemption, Tanks in Operation;</u> Exemption does not exceed 7 days	Y	
8-5-117	Limited Exemption, Low Vapor Pressure	<u>Y</u>	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	<u>Tank Degassing Requirements:</u> Tanks larger than 75 m ³	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks larger than 75 m ³ ;	Y	
	Concentration of organic compounds in tank of < 10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition when ozone excess is predicted	Y	
8-5-403	Inspection Requirements for Pressure Relief Devices Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	¥	
8-5-501.1	Records of type and amount of liquids stored and true vapor	¥	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - <u>FG</u> Source-specific Applicable Requirements S13, KEROSENE TANK, <u>TK-4608</u> #8 S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	pressures		
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Source tests for approved emission control system Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
40 CFR40	New Source Performance Standard for Storage Vessels for	¥	
CFR, Part 60	Petroleum Liquids for Which Construction, Reconstruction or		
Subpart Kb	Modification Commenced After July 23, 1984. (10/15/03)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 75 cubic meter, after 7/23/1984	Y	
60.112b(a)(3)	Closed vent system and control device	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	Y	
(i)	system and control device no detectable emissions		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	Y	
(ii)	system and control device >= 95% inlet VOC emission reduction		
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1) (i)	Testing and Procedures; Closed vent system and control device (not flare) operating planefficiency demonstration	Y	
60.113b(c)(1) (ii)	Testing and Procedures; Closed vent system and control device (not flare) operating planmonitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - FG Source-specific Applicable Requirements S13, KEROSENE TANK, TK-4608 #8 S59, GAS OIL TANK, TK-4605 S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631

NSPS KB FIXED ROOF TANKS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	and control device (not flare) operating records		
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	Y	
40 CFR40	National Emission Standards for Hazardous Air Pollutants for		
CFR, Part 63 Subpart CC	Petroleum Refineries (6/23/03)		
63.640(c)(2)	Applicability and Designation of Affected Source – storage vesselsStorage vessels associated with petroleum refining process units	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels: Tanks subject to 40 CFR40 CFR, Part 60 Subpart Kb comply with 40 CFR40 CFR, Part, -Subpart Kb except as provided in 40 CFR40 CFR, Part 60.640(n)(8). Applicability and Designation of Affected Source Overlap for Storage Vessels- Existing Group 1 or Group 2 also subject to Kb only subject to Kb.	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels—no additional requirements for fixed roof tanksCompliance with 40 CFR 60, Subpart Kb with some exceptions	Y	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum Gas Oil, or Asphalt (Cumulative Increase, Toxics)	Y	
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - <u>FG</u> Source-specific Applicable Requirements S13, KEROSENE TANK, <u>TK-4608</u>#8 S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.31a	Monitoring for vapor pressure limit	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, Cumulative Increase, <u>BACT</u> , Toxics)	Y	
Part II.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	Y	
Part II.33a	Throughput Limit (Cumulative Increase, Toxics)	Y	
Part II.33b	S63 Prohibition against cutback asphalt materials (Toxics)	<u>Y</u>	
Part II.34	Recordkeeping (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(c)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.93	Contain Emissions in Closed Vent System for S59 (Cumulative Increase)	<u>Y</u>	
Part II.94	Contain Emissions in Closed Vent System for S13 and S63 (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	

Table IV - H Source-specific Applicable Requirements S14-Truck Loading Racks, Naphtha

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Organic Compounds-Organic Liquid Bulk		
AAQMD	Terminals and Bulk Plants (2/2/94)		

IV. Source Specific Applicable Requirements

Table IV - H **Source-specific Applicable Requirements** S14-Truck Loading Racks, Naphtha

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 8,	* *	. ,	
Rule 6			
	Maintenance and Repair exemption	V	
-6-114	Transcriative and respair exemption		
0 111	Bulk Terminal Limitations	V	
-6-301	Buik Terminal Difficultions		
0 301	Deliveries to Storage Tanks	V	
-6-304	Deriveries to Storage Tanks	1	
-0-30-1	Equipment Maintenance	V	
-6-306	Equipment Maintenance	T T	
-0-300	Operating Practices	37	
-6-307	Operating Practices	Y	
-0-307	P de	37	
6.501	Records	Y	
-6-501			
	Portable Hydrocarbon Detector	Y	
-6-502			
((01	Efficiency and Rate Determination	Y	
-6-601			
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative	¥	
	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥	
	(Cumulative Increase)		
Part I.19	1400F Minimum Operating Temperature and monitoring (2-6-503)	¥	
Part II.59	Submerged fill pipe and abatement requirements < cumulative	¥	
	increase, offsets, BACT, toxics>		
Part II.59a	Monitoring for compliance with 8-6-306 for vapor tightness	¥	
1 411 11.574	(2-6-503)	F	
Part II.59b	Monitoring for compliance with 8-6-306 for leak-free equipment	¥	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
S14-Truck Loading Racks, Naphtha

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(2-6-503)		
Part II.60	Destruction efficiency requirements < cumulative increase, offsets, BACT, toxics>	¥	
Part II.61a	Vapor pressure limit <cumulative increase,="" offsets,="" toxics=""></cumulative>	¥	
Part II.61b	Throughput limit < cumulative increase>	¥	

Table IV - GI
Source-specific Applicable Requirements
S15, TRUCK LOADING RACK-GAS OIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds-Organic Liquid Bulk Terminals and Bulk		
Regulation 8,	Plants (2/2/94)		
Rule 6			
8-6-114	Maintenance and Repair exemption	Y	
8-6-301	Bulk Terminal Limitations	Y	
8-6-304	Deliveries to Storage Tanks	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Records	Y	
8-6-502	Portable Hydrocarbon Detector	Y	
8-6-601	Efficiency and Rate Determination	Y	
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - GI Source-specific Applicable Requirements S15, TRUCK LOADING RACK-GAS OIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part I.19	1400F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part II.62	Submerged fill pipe and abatement requirement (BACT, Cumulative Increase, offsets, toxics)	Y	
Part II.62a	Monitoring for compliance with 8-6-306 for vapor tightness (2-6-503)	Y	
Part II.62b	Monitoring for compliance with 8-6-306 for leak-free equipment (2-6-503)	Y	
Part II.63	Requirement for vapor recovery and abatement (BACT, Cumulative Increase, offsets)	Y	
Part II.64a	Vapor pressure limit; limitation on source of materials (Cumulative Increase, offsets)	Y	
Part II.64b	Throughput limit	Y	

Table IV - J-<u>H</u> Source-specific Applicable Requirements S16, TRUCK LOADING RACKS, HEAVY VACUUM GAS OIL

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative	Y	
	Increase)		

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - J-<u>H</u> Source-specific Applicable Requirements S16, TRUCK LOADING RACKS, HEAVY VACUUM GAS OIL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.90	Vapor Pressure Limit (Cumulative Increase)	Y	
Part II.91	Throughput Limit (Cumulative Increase)	Y	
Part II.91a	Recordkeeping (Cumulative Increase)	Y	

Table IV - K-I
Source-specific Applicable Requirements
S17, TRUCK LOADING RACKS-ASPHALT

Amuliaskia	December 1914 on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible	(1/N)	Date
Regulation 6	Emissions (12/19/9012/5/2007)		
Rule 1	12/11/5/10/15 (12/12/12/12/12/12/12/12/12/12/12/12/12/1		
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	<u>Instruments and Appraisal of Visible Emissions</u>		
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	<u>Instruments and Appraisal of Visible Emissions</u>		
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Regulation 8,			
Rule 15			

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - K-I Source-specific Applicable Requirements S17, TRUCK LOADING RACKS-ASPHALT

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative	Y	
	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
	(Cumulative Increase)		
Part I.19	1400F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part II.8	Termination of asphalt loading when blowdown system is venting to	Y	
	A-4, Thermal Oxidizer. (Cumulative Increase)		
Part II.65	Control Requirement (Cumulative Increase)	Y	
Part II.68	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.71	Vapor Pressure and Kerosene Throughput Requirement (Cumulative	Y	
	Increase, offsets)		
Part II.74	Asphalt Throughput Requirement (Cumulative Increase, offsets)	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part IV.2	Asphalt truck inspections. (1-301)	N	
Part IV.3	Notification to trucking companies (1-301)	N	

Table IV - 1-J.1 Source-specific Applicable Requirements S18, CRUDE UNIT

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

IV. Source Specific Applicable Requirements

Requirement Description of Requirement (Y/N) Date BAAQMD Regulation 8, 1720/834/21/04) Regulation 8, 1720/834/21/04) R-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301 Opening of Process Vessels N 8-10-501 Monitoring 8-10-502 Concentration Measurement N 8-10-503 Records N 8-10-601 Monitoring Procedures SIP Organic Compound Process Vessel Depressurization (7/20/83) Regulation 8, 18-10-301 Process Vessel Depressurization (7/20/83) Regulation 8, 18-10-301 Process Vessel Depressurization (7/20/83) Regulation 9, 18-10-301 Process Vessel Depressurization (7/20/83) Regulation 9, 18-10-301 Process Vessel Depressuriation (7/20/83) Resource is reduced to less than 1000 mm Hg: 8-10-301 Process Vessel Depressuriation one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301 Process Vessel Depressuriation Process Vessel Depressuriation Process Unit unaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401 Containment such that emissions to atmosphere do not occur Vessel process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401 — date of depressurization event Vessel process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401 — date of depressurization event Vessel process unit turnaround; and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401 — date of depressurization event Vessel process unit turnaround; and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401 — date of depressurization event Vessel process Vessel			Federally	Future
BA-AQMD Regulation 8, Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-302 Opening of Process Vessels 8-10-401 Reporting 8-10-502 Concentration Measurement 8-10-503 Records 8-10-601 Monitoring Procedures SIP Organic Compound Process Vessel Depressurization (7/20/83) Regulation 8, Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 recovery to the fuel gas system 8-10-301.2 combustion at a flare 8-10-301.3 combustion at a flare 8-10-301.4 combustion at a flare 9-10-301.4 combus	Applicable	Regulation Title or	Enforceable	Effective
Regulation 8, Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-302 Opening of Process Vessels 8-10-401 Reporting 8-10-501 Monitoring 8-10-502 Concentration Measurement 8-10-502 Records 8-10-601 Monitoring N N N N N N N N N N N N N N N N N N N	-		(Y/N)	Date
Rule 40 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-302 Opening of Process Vessels 8-10-401 Reporting 8-10-501 Monitoring 8-10-502 Concentration Measurement N 8-10-503 Records 8-10-601 Monitoring Procedures N 8-10-503 Regulation 8; Rule 40 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 Regulation 8; Rule 40 8-10-301.2 Reporting Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 Reporting Process Vessel Depressurizing Poc emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 Reporting Process Vessel Depressurizing Poc emissions shall be vented through a troub at a firebox or incinerator Y 8-10-301.2 Reporting Process Vessel Depressurizing Poc emissions to atmosphere do not occur Y 8-10-301.1 Reporting Process Vessel Depressurizing inspections: 8-10-401.1 Approximate vessel hydrocarbon concentration when emissions to atmosphere Poc emissions Standards for Hazardous Pollutants for Poc emissions Standards for Hazardous Pollutants for Poc emissions Standards for Hazardous Pollutants for Poccess Vents	_			
8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg. 8-10-302 Opening of Process Vessels N N S-10-503 Reporting N N N N N N N N N N N N N N N N N N N	,	(7/20/831/21/04)		
through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-302 Opening of Process Vessels N 8-10-401 Reporting N 8-10-502 Concentration Measurement N 8-10-503 Records N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Process Vessel Depressurization (7/20/83) 8-10-301 Process Vessel Depressurization end then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel gas system Y 8-10-301.2 — combustion at a firebox or incinerator Y 8-10-301.3 — combustion at a firebox or incinerator Y 8-10-301.4 — combustion at a firebox or incinerator Y 8-10-301.4 — combustion at a firebox or incinerator Y 8-10-301.4 — combustion at a firebox or incinerator Y 8-10-301.4 — combustion at a firebox or incinerator Y 8-10-301.4 — combustion at a firebox or incinerator Y 8-10-301.5 — combustion at a firebox or incinerator Y 8-10-301.5 — combustion at a firebox or incinerator Y 8-10-301.1 — combustion at a firebox or incinerator Y 8-10-301.1 — combustion at a firebox or incinerator Y 8-10-301.1 — combustion at a firebox or incinerator Y 8-10-301.1 — combustion at a firebox or incinerator Y 8-10-301.1 — combustion at a firebox or incinerator Y 8-10-301.1 — combustion at a firebox or incinerator Y 8-10-301.1 — co				
ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-302 Opening of Process Vessels N 8-10-401 Reporting N 8-10-502 Concentration Measurement N 8-10-503 Records N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Process Vessel Depressurization (7/20/83) 8-10-601 Process Vessel Depressurizing POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel-gas system Y 8-10-301.2 — combustion at a firebox or incinerator Y 8-10-301.3 — combustion at a flare Y 8-10-301.4 — containment such that emissions to atmosphere do not occur Y 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event Y 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) 8-10-401(Applicability and Designation of Affected Source: Miscellaneous Process Vents	8-10-301		N	
pressure is reduced to less than 1000 mm Hg: 8-10-302 Opening of Process Vessels 8-10-401 Reporting 8-10-501 Monitoring 8-10-502 Concentration Measurement 8-10-503 Records 8-10-601 Monitoring Procedures SIP Organic Compound Process Vessel Depressurization (7/20/83) Regulation 8, Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 Process Vessel Depressurizing POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 Process Vessel Tepressurizing POC emissions to attend the process until turnaround at a flave or incinerator 8-10-301.2 Process Vessel Tepressurization event POC emissions to attend the process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 Purnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 Purnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 Purnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 Purnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 Purnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2				
8-10-302 Opening of Process Vessels 8-10-401 Reporting 8-10-501 Monitoring 8-10-502 Concentration Measurement 8-10-503 Records 8-10-601 Monitoring Procedures 8-10-601 Monitoring Procedures 8-10-601 Monitoring Procedures 8-10-301 Process Vessel Depressurization (7/20/83) 8-10-601 Process Vessel Depressurizing POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 Process Vessel Depressurizing POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.2 Process Vessel Depressurization POC emissions to atmosphere do not occur 8-10-301.3 Process Vessel Depressurization event POC emissions to atmosphere do not occur 8-10-301.4 Process Vessel Depressurization event POC emissions to atmosphere POC emissions to atmospher				
8-10-401 Reporting Nomitoring Procedures Nomitoring Process Vessel Depressurization (7/20/83) Nomitoring Process Vessel Depressurizing Note Nomitoring Nom				
8-10-501 Monitoring 8-10-502 Concentration Measurement 8-10-503 Records 8-10-601 Monitoring Procedures 8-10-601 Monitoring Procedures 8-10-601 Monitoring Procedures 8-10-601 Monitoring Procedures 8-10-301 Process Vessel Depressurization (7/20/83) 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 recovery to the fuel gas system 8-10-301.2 combustion at a firebox or incinerator 8-10-301.3 combustion at a flare 8-10-301.4 containment such that emissions to atmosphere do not occur 8-10-301.4 rurnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2-years and made available to the District on demand during inspections: 8-10-401.1 date of depressurization event 8-10-401.2 approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 approximate quantity of POC emissions to atmosphere 9-10-10-10-10-10-10-10-10-10-10-10-10-10-	8-10-302	Opening of Process Vessels	N	
8-10-502 Concentration Measurement N 8-10-503 Records N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Procedures N 8-10-601 Monitoring Process Vessel Depressurization (7/20/83) Regulation 8, Rule-10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 —recovery to the fuel gas system Y 8-10-301.2 —combustion at a firebox or incinerator Y 8-10-301.3 —combustion at a flare Y 8-10-301.4 —containment such that emissions to atmosphere do not occur Y 8-10-401 Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 —date of depressurization event Y 8-10-401.2 —approximate vessel hydrocarbon concentration when emissions to atmosphere begin S 8-10-401.3 —approximate quantity of POC emissions to atmosphere Y 8-10-401.3 —approximate quantity of POC emissions to atmosphere Y 8-10-401.4 —Accordance of the District on demand during inspections: 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.3 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.4 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate quantity of POC emissions to atmosphere Y 8-10-401.5 — Approximate Quantity of POC emissions to atmosphere Y 8-10-401.5 —	8-10-401	Reporting	N	
8-10-503 Records N 8-10-601 Monitoring Procedures SIP Organic Compound Process Vessel Depressurization (7/20/83) Regulation 8, Rule-10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 —recovery to the fuel gas system 8-10-301.2 —combustion at a firebox or incinerator 8-10-301.3 —combustion at a flare 8-10-301.4 —containment such that emissions to atmosphere do not occur 8-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to atmosphere do not occur 9-10-301.4 —containment such that emissions to	8-10-501	Monitoring	N	
SIP Organic Compound—Process Vessel Depressurization (7/20/83) Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 —recovery to the fuel gas system 8-10-301.2 —combustion at a firebox or incinerator 8-10-301.3 —combustion at a flare 8-10-301.4 —containment such that emissions to atmosphere do not occur 8-10-401 —Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 —date of depressurization event 8-10-401.2 —approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 —approximate quantity of POC emissions to atmosphere 40-CFR-40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	8-10-502	Concentration Measurement	N	
SIP Regulation 8, Rule 10 Process Vessel Depressurization (7/20/83) Process Vessel Depressurizing. POC emissions shall be vented through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel gas system 8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR-10	8-10-503	Records	N	
Regulation 8, Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 -recovery to the fuel gas system 8-10-301.2 -combustion at a firebox or incinerator 8-10-301.3 -combustion at a flare 8-10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that emissions to atmosphere do not occur Y 10-301.4 -containment such that eleast 2 years and made available to the District on demand during inspections: 8-10-401.1 -date of depressurization event 8-10-401.1 -date of depressurization event 8-10-401.1 -date of depressu	8-10-601	Monitoring Procedures	N	
Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 -recevery to the fuel gas system 8-10-301.2 -combustion at a firebox or incinerator 8-10-301.3 -combustion at a flare 8-10-301.4 -containment such that emissions to atmosphere do not occur Y 8-10-301.4 -turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 -date of depressurization event 8-10-401.2 -approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 -approximate quantity of POC emissions to atmosphere Y 40-CFR40 CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	SIP	Organic Compound Process Vessel Depressurization (7/20/83)		
Rule 10 8-10-301 Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 -recevery to the fuel gas system 8-10-301.2 -combustion at a firebox or incinerator 8-10-301.3 -combustion at a flare 8-10-301.4 -containment such that emissions to atmosphere do not occur Y 8-10-301.4 -turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 -date of depressurization event 8-10-401.2 -approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 -approximate quantity of POC emissions to atmosphere Y 40-CFR40 CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	Regulation 8,			
through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel gas system 8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR-40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	,			
through a knock out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel gas system 8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR-40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	8-10-301	Process Vessel Depressurizing POC emissions shall be vented	¥	
ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel gas system 8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63-640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents				
pressure is reduced to less than 1000 mm Hg: 8-10-301.1 — recovery to the fuel gas system 8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40 CFR40				
8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere Y 40-CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents				
8-10-301.2 — combustion at a firebox or incinerator 8-10-301.3 — combustion at a flare 8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	8-10-301.1	recovery to the fuel gas system	¥	
8-10-301.4 — containment such that emissions to atmosphere do not occur 8-10-401 — Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR-40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) — Applicability and Designation of Affected Source: Miscellaneous Y Process Vents	8-10-301.2		¥	
8-10-401 Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	8-10-301.3	—combustion at a flare	¥	
process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40-CFR40 National Emission Standards for Hazardous Pollutants for CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents	8-10-301.4	—containment such that emissions to atmosphere do not occur	¥	
available to the District on demand during inspections: 8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40 CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents	8-10-401	Turnaround Records. The following records shall be kept for each	¥	
8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40 CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents				
8-10-401.1 — date of depressurization event 8-10-401.2 — approximate vessel hydrocarbon concentration when emissions to atmosphere begin 8-10-401.3 — approximate quantity of POC emissions to atmosphere 40 CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents		available to the District on demand during inspections:		
atmosphere begin 8-10-401-3 — approximate quantity of POC emissions to atmosphere Y 40-CFR40 National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Subpart CC — Applicability and Designation of Affected Source: Miscellaneous Y Process Vents	8-10-401.1		¥	
8-10-401.3 — approximate quantity of POC emissions to atmosphere Y 40 CFR40 National Emission Standards for Hazardous Pollutants for CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents	8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	¥	
8-10-401.3 — approximate quantity of POC emissions to atmosphere Y 40 CFR40 National Emission Standards for Hazardous Pollutants for CFR, Part 63 Petroleum Refining (6/23/03) Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents		atmosphere begin		
CFR, Part 63 Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents Y	8-10-401.3		¥	
CFR, Part 63 Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Process Vents Y Process Vents	40 CFR40	National Emission Standards for Hazardous Pollutants for		
Subpart CC 63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents	CFR, Part 63	Petroleum Refining (6/23/03)		
63.640(c)(1) Applicability and Designation of Affected Source: Miscellaneous Y Process Vents				
Process Vents		Applicability and Designation of Affected Source: Miscellaneous	Y	
 			_	
63.643(a) Miscellaneous Process Vent Provisions Y	63.643(a)	Miscellaneous Process Vent Provisions	Y	
63.643(a)(2) Control device requirements Y				

IV. Source Specific Applicable Requirements

Table IV - L-J.1**Source-specific Applicable Requirements** S18, CRUDE UNIT

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.643(b)	Boiler or process heater requirements	Y	
63.644(a)	Monitoring Provisions for Miscellaneous Process Vents	Y	
63.644(a)(3)	Bboiler or process heater in which vent streams are introduced into the flame zone	Y	
63.645(a)	Demonstrations of compliance	Y	
63.645(d)	Replacement of 63.116(b)(2) with 63.645(d)(2)	Y	
63.645(d)(2)	Boiler or process heater in which all vent streams introduced into flame zone	Y	
63.645(i)	Test Methods and Procedures for Miscellaneous Process Compliance determination for visible emissions	Y	
BAAQMD			
Condition			
#1240			
Part I.1	Annual Throughput Limit (Cumulative Increase, Toxics, Offsets)	Y	
Part I.2	Daily Throughput Limit (Cumulative Increase, Toxics)	Y	
Part I.3	Control Requirement (Cumulative Increase, Toxics)	¥	
Part I.3a	Control Requirement, S18 Crude Unit offgas must vent to S19 at all	<u>Y</u>	
	times (Cumulative Increase, Toxics)		
Part I.4	Recordkeeping (Cumulative Increase)	Y	
Part I.7	Mechanical seals, packing, and compressor seals (Cumulative Increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.16b <u>.1</u>	Source Test Requirements for POC destruction (Cumulative Increase, Toxics)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18b	Estimates of NMHC emissions from sources of fugitive emissions (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.6	Safety Relief System (Cumulative Increase)	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

<u>Table IV – J.2</u> <u>Source-specific Applicable Requirements</u> <u>S18, CRUDE UNIT</u> <u>APPLIES UPON STARTUP OF THE</u>

ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

		<u>Federally</u>	<u>Future</u>
<u>Applicable</u>	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	<u>(Y/N)</u>	<u>Date</u>
BAAQMD			
Condition			
<u>1240</u>			
Part I.1	Annual Throughput Limit (Cumulative Increase, Toxics, Offsets)	<u>Y</u>	
Part I.2	Daily Throughput Limit (Cumulative Increase, Toxics)	<u>Y</u>	
Part I.3b	Control Requirement, S18 Crude Unit offgas must vent to refinery	<u>Y</u>	
	fuel gas system S9 at all times (Cumulative Increase, Toxics)		
Part I.4	Recordkeeping (Cumulative Increase)	<u>Y</u>	
Part I.7	Mechanical seals, packing, and compressor seals (Cumulative	<u>Y</u>	
	<u>Increase</u>)		
<u>Part I.14</u>	Facility Limits (Cumulative Increase)	<u>Y</u>	
<u>Part I.18</u>	Cumulative Increase Monitoring (Cumulative Increase)	<u>Y</u>	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	<u>Y</u>	
Part I.18b	Estimates of NMHC emissions from sources of fugitive emissions	<u>Y</u>	
	(Cumulative Increase)		

Table IV – M-K.1 Source-specific Applicable Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV – M-K.1 Source-specific Applicable Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required by Regulations 10, 12, and Section 2-1-403	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
1-602	Area and Continuous Emission Monitoring Requirements	Y	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	¥ ¹ <u>Y</u>	
1-522.7	emission limit exceedance reporting requirements	¥ ¹ <u>Y</u>	
1-523	Parametric Monitoring and Recordkeeping Procedures	¥¹ <u>Y</u>	
1-523.3	Reports of Violations	¥¹ <u>Y</u>	
BAAQMD	Interchangeable Emission Reduction Credits (4/7/99)		
Regulation 2,			
Rule 9			
2-9-301	Bankable Interchangeable Emission Reduction Credits – General	N	
	Provisions		
2-9-302	Use of IERC's	N	

IV. Source Specific Applicable Requirements

Table IV $- \frac{M}{K.1}$ Source-specific Applicable Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
2-9-303	Alternative Compliance Plan using IERC's	N	
2-9-304	Restrictions on the Use of IERC's	N	
2-9-305	Conversion of an ERC to an IERC	N	
2-9-306	Environmental Benefit Surcharge	N	
2-9-401	IERC Application	N	
2-9-401.4	Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302.	N	
2-9-402	Complete IERC Banking Application	N	
2-9-501	Monitoring and Record Keeping	N	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations – General Requirements	N	
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD	Particulate Matter, General Requirements and Visible		
Regulation 6.	Emissions (12/19/90 12/5/2007)		
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 310.3	Heat Transfer Operations	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-310.3</u>	Heat Transfer Operations	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		

IV. Source Specific Applicable Requirements

Table IV $- \frac{M}{K.1}$ **Source-specific Applicable Requirements** S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	<u>Y</u> N	
9-10-305	CO emission limit	N	
9-10-401	Control Plan Requirements	N	
9-10-501	Initial Demonstration of Compliance Schedule	N	
9-10-502	Monitoring for sources subject to 9-10-301, 303, 304, and 305	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-504.1	Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303	N	
9-10-505	Reporting for sources subject to 9-10-301, 303, 304, 305, and/or 306	N	
9-10-601	Determination of Nitrogen Oxides	<u>Y</u> N	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4 /28/01 04/02/2008)		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	$\underline{Y}^{1}\underline{\underline{Y}}$	
9-10-502	Monitoring for sources subject to 9-10-303	¥¹ <u>Y</u>	
9-10-502.2	Fuel flowmeters	$\underline{Y}^{1}\underline{\underline{Y}}$	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	<u>Y</u>	
9-10-505	Reporting requirements for sources subject to 9-10-3030 and/or 306	<u>Y</u>	
BAAQMD Regulation 10	New Source Performance Standards Incorporation by Reference (2/16/00)		
10-1	40 CFR40 CFR, Part 60 Subpart A	<u>Y</u>	
<u>10-14</u>	40 CFR Part 60 Subpart J	<u>Y</u>	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	

IV. Source Specific Applicable Requirements

Table IV $- \frac{M}{K.1}$ **Source-specific Applicable Requirements** S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Manual of	(1/20/82)		
Procedures,			
Volume V			
40-CFR40	General Provisions (6/1/06)		
CFR, Part 60			
Subpart A			
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and	Y	
	Appendix F, (if used to demonstrate compliance with continuous		
	emission limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration	Y	
	requirements		
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
4 0 CFR 40	Standards of Performance for Petroleum Refineries		
CFR, Part 60	(8/17/89) <u>6/24/2008</u>		
Subpart J			
60.100(a)	Applicability: Claus Sulfur Recovery Plants, FCCU Catalyst	Y	
	Regenerators at Refineries and Fuel Gas Combustion Devices and		
	Fuel Gas Combustion Devices of Refineries.		
60.100(b)	Applicability: Constructed/modified after 6/11/1973	Y	
60.104	Standards for Sulfur Dioxide	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		

IV. Source Specific Applicable Requirements

Table IV $- \frac{M}{K.1}$ Source-specific Applicable Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2	Y	
60.105(e)	monitors as required by 60.105(a)(3)) Determine and report periods of excess emissions.	Y	
60.105(e)(3) (ii)	Excess H2S in fuel gas	Y	
60.106	Test methods and procedures	Y	
60.106(a)	Test Methods and Procedures	Y	
60.106(e)(1)	Methods to determine compliance with the H2S standard in 60.104(a)(1).	Y	
60.107(e <u>f</u>)	Semi-annual compliance report	Y	
60.107(fg)	Certification of 60.107(<u>fe</u>) report	Y	
40-CFR40 CFR, Part 60 Appendix B Performance Specification	Performance Specifications (9/21/06) H2S continuous emission monitoring systems	Y	
7 40 CFR40 CFR, Part 60 Appendix F	Quality Assurance Procedures (1/12/04)		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
4 0 CFR 40	National Emission Standards for Hazardous Pollutants for		
CFR, Part 63	Petroleum Refining (6/23/03)		
Subpart CC			
63.643(a)(2)	Control device requirements	Y	
63.643(b)	Boiler or process heater requirements	Y	
63.644(a)	Monitoring Provisions for Miscellaneous Process Vents	Y	
63.644(a)(3)	boiler or process heater in which vent streams are introduced into the flame zone	Y	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV $- \frac{M}{K.1}$ Source-specific Applicable Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition #1240			
Part I.3	Control Requirement (Cumulative Increase, Toxics)	¥	
Part I.3a	Control Requirement, S18 Crude Unit offgas must vent to S19 at all	<u>Y</u>	
	times (Cumulative Increase, Toxics)		
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.5a	S19 Heat Input Limit (Cumulative Increase)	Y	
Part I.5b	CO Concentration Limit (Cumulative Increase, BACT)	Y	
Part I.5c	Hourly CO Limit (Cumulative Increase, BACT)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.8	Low NOXNOx Burner Requirement, NOXNOx emission limit (Cumulative Increase, BACT)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.11 <u>.a</u>	H2S Limit for Asphalt Plant's Refinery Process Gas, 3-hr average (NSPS)	Y	
Part I.12	H2S Limit for Asphalt Plant's Refinery Process Gas, 24-hr average (BACT)	Y	
Part I.13	H2S Monitoring (NSPS, BACT)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.16a	Source Test Requirements for NOX NOX and CO limits (Cumulative Increase, Toxics)	Y	
Part I.16b <u>.1</u>	Source Test Requirements for POC destruction (Cumulative Increase, Toxics)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18f	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV – M-<u>K.1</u> Source-specific Applicable Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

A 12 1.1.	Developing Trial and	Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable	Effective Date
Kequirement	(Cumulative Increase)	(Y/N)	Date
BAAQMD	(Cumulative increase)		
Condition			
#19329			
Part 1	Hourly firing limits (Regulation 2-9-303.4.1, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	
BAAQMD			
Condition			
#21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-	<u>NY</u>	1/1/05
	303.4.1)		
Part 2	O2 monitors and recorders (9-10-502)	<u>Y</u> N	1/1/05
Part 3	NOx box-operation (9-10-502)	<u>Y</u> N	1/1/05
Part 4	NOx box establishment (9-10-502)	<u>Y</u> N	1/1/05
Part 5	NOx box limits (9-10-502)	<u>Y</u> N	1/1/05
Part 6	NOx box deviations (9-10-502)	<u>Y</u> N	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx	<u>Y</u> N	1/1/05
	(9-10-502)		
Part 7a.2	Semi-annual tests at sources above 25 MMbtu/hr (9-10-502)	<u>Y</u> N	1/1/05
Part 7a.3	Source tests for shutdown sources	<u>Y</u> N	1/1/05
Part 7b	Source test results greater than NOx Box emission factor	<u>Y</u> N	1/1/05
Part 9	CO CEM requirement if 2 tests above 200 ppmv (9-10-502)	<u>Y</u> N	1/1/05
Part 10	Records of source test data (9-10-502)	<u>Y</u> N	1/1/05

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

76

IV. Source Specific Applicable Requirements

Table IV – K.2 Source-specific Applicable Requirements S19, VACUUM HEATER APPLIES UPON STARTUP OF THE

ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	<u>(Y/N)</u>	<u>Date</u>
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
<u>1-523</u>	Parametric Monitoring and Recordkeeping Procedures	<u>N</u>	
<u>1-523.1</u>	Parametric monitor periods of inoperation	<u>Y</u>	
1-523.2	<u>Limits on periods of inoperation</u>	<u>Y</u>	
1-523.3	Reports of Violations	<u>N</u>	
1-523.4	Records	<u>Y</u>	
1-523.5	Maintenance and calibration	<u>N</u>	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
<u>1-523</u>	Parametric Monitoring and Recordkeeping Procedures	<u>Y</u>	
<u>1-523.3</u>	Reports of Violations	<u>Y</u>	
BAAQMD	Interchangeable Emission Reduction Credits (4/7/99)		
Regulation 2,			
Rule 9			
<u>2-9-301</u>	Bankable Interchangeable Emission Reduction Credits – General	<u>N</u>	
2.0.202	Provisions Light Step Co.		
<u>2-9-302</u>	Use of IERC's	<u>N</u>	
<u>2-9-303</u>	Alternative Compliance Plan using IERC's	<u>N</u>	
<u>2-9-304</u>	Restrictions on the Use of IERC's	<u>N</u>	
<u>2-9-305</u>	Conversion of an ERC to an IERC	<u>N</u>	
<u>2-9-306</u>	Environmental Benefit Surcharge	<u>N</u>	
2-9-401	IERC Application	<u>N</u>	
<u>2-9-401.4</u>	Use of IERC's in lieu of compliance with the BARCT rule(s)	<u>N</u>	
2.0.402	specified in Section 2-9-302.	N	
<u>2-9-402</u>	Complete IERC Banking Application	<u>N</u>	
<u>2-9-501</u>	Monitoring and Record Keeping	<u>N</u>	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	<u>N</u>	
<u>2-9-601</u>	Emission Reduction Calculations – General Requirements	<u>N</u>	
<u>2-9-605</u>	Calculation Procedure to Determine the Required Amount of IERC's	<u>N</u>	
DAAOMD	for BARCT Compliance Particulate Motter Consul Requirements (12/5/2007)		
BAAQMD Regulation 6,	Particulate Matter, General Requirements (12/5/2007)		
regulation 0,			

IV. Source Specific Applicable Requirements

Table IV – K.2 Source-specific Applicable Requirements S19, VACUUM HEATER APPLIES UPON STARTUP OF THE

ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 1			
6-1-301	Ringelmann #1 Limitation	<u>N</u>	
6-1-305	<u>Visible Particles</u>	<u>N</u>	
<u>6-1-310</u>	Particulate Weight Limitation	<u>N</u>	
6-1-310.3	Heat Transfer Operations	<u>N</u>	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
6-301	Ringelmann #1 Limitation	<u>Y</u>	
6-305	Visible Particles	<u>Y</u>	
6-310	Particulate Weight Limitation	<u>Y</u>	
6-310.3	Heat Transfer Operations	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
<u>Rule 10</u>	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	<u>N</u>	
9-10-301.1	Start-up/Shutdown Contribution	<u>N</u>	
9-10-301.2	Out-of-Service Units Contribution	<u>N</u>	
9-10-303	Emission Limit for Facility (Federal Requirements)	<u>Y</u>	
9-10-305	CO emission limit	<u>N</u>	
9-10-502	Monitoring for sources subject to 9-10-301, 303, 304, and 305	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	<u>N</u>	
9-10-504.1	Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303	<u>N</u>	
9-10-505	Reporting for sources subject to 9-10-301, 303, 304, 305, and/or 306	<u>N</u>	
9-10-601	Determination of Nitrogen Oxides	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV – K.2 Source-specific Applicable Requirements S19, VACUUM HEATER APPLIES UPON STARTUP OF THE

ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable	Regulation Title or	<u>Federally</u> <u>Enforceable</u>	Future Effective
Requirement	Description of Requirement	<u>(Y/N)</u>	<u>Date</u>
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	<u>N</u>	
9-10-603	Compliance Determination	<u>Y</u>	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (04/02/2008)		
9-10-502	Monitoring for sources subject to 9-10-303	<u>Y</u>	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	<u>Y</u>	
9-10-505	Reporting requirements for sources subject to 9-10-3030 and/or 306	<u>Y</u>	
BAAQMD			
Condition			
<u>1240</u>			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	<u>Y</u>	
Part I.5a	S19 Heat Input Limit (Cumulative Increase)	<u>Y</u>	
Part I.5b	CO Concentration Limit (Cumulative Increase, BACT)	<u>Y</u>	
Part I.5c	Hourly CO Limit (Cumulative Increase, BACT)	<u>Y</u>	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	<u>Y</u>	
Part I.8	Low NOx Burner Requirement, NOx emission limit (Cumulative Increase, BACT)	<u>Y</u>	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	<u>Y</u>	
Part I.11.b	Title Permit application for NSPS Ja for NOx and flaring applicability (NSPS)	<u>Y</u>	
<u>Part I.14</u>	Facility Limits (Cumulative Increase)	<u>Y</u>	
Part I.16a	Source Test Requirements for NOx and CO limits (Cumulative Increase, Toxics)	Y	
Part I.16b.2	Initial Source Test Requirements for NOx and CO and option for source test to re-establish NOx emission factor for Condition 21233 (Cumulative Increase, Toxics, ACP)	<u>Y</u>	
Part I.18	<u>Cumulative Increase Monitoring (Cumulative Increase)</u>	<u>Y</u>	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	<u>Y</u>	
Part I.18f	Estimates of NMHC emissions from combustion sources	<u>Y</u>	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV – K.2 Source-specific Applicable Requirements S19, VACUUM HEATER APPLIES UPON STARTUP OF THE

ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Cumulative Increase)		
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative Increase)	<u>Y</u>	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition 19329			
Part 1	Hourly firing limits (Regulation 2-9-303.4.1, Cumulative Increase)	<u>N</u>	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	<u>N</u>	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	<u>N</u>	
Part 4	Recordkeeping (Regulation 2-9-303.3)	<u>N</u>	
BAAOMD Condition 21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	<u>Y</u>	
Part 2	O2 monitors and recorders (9-10-502)	<u>Y</u>	
Part 3	NOx box-operation (9-10-502)	<u>Y</u>	
Part 4	NOx box establishment (9-10-502)	<u>Y</u>	
Part 5	NOx box limits (9-10-502)	<u>Y</u>	
Part 6	NOx box deviations (9-10-502)	<u>Y</u>	
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	<u>Y</u>	
Part 7a.2	Semi-annual tests at sources above 25 MMbtu/hr (9-10-502)	<u>Y</u>	
Part 7a.3	Source tests for shutdown sources	<u>Y</u>	
Part 7b	Source test results greater than NOx Box emission factor	<u>Y</u>	
Part 9	CO CEM requirement if 2 tests above 200 ppmv (9-10-502)	<u>Y</u>	
<u>Part 10</u>	Records of source test data (9-10-502)	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - N- \underline{L} Source-specific Applicable Requirements S20, STEAM BOILER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	¥¹ <u>Y</u>	
1-523.3	Reports of Violations	¥¹ <u>Y</u>	
BAAQMD	Interchangeable Emission Reduction Credits (4/7/99)		
Regulation 2,			
Rule 9			
2-9-301	Bankable Interchangeable Emission Reduction Credits – General Provisions	N	
2-9-302	Use of IERC's	N	
2-9-303	Alternative Compliance Plan using IERC's	N	
2-9-304	Restrictions on the Use of IERC's	N	
2-9-305	Conversion of an ERC to an IERC	N	
2-9-306	Environmental Benefit Surcharge	N	
2-9-401	IERC Application	N	
2-9-401.4	Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302.	N	
2-9-402	Complete IERC Banking Application	N	
2-9-501	Monitoring and Record Keeping	N	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations - General Requirements	N	
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD	Particulate Matter, General Requirements and Visible		
Regulation 6 ₂ Rule 1	Emissions (12/19/9012/5/2007)		
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	

IV. Source Specific Applicable Requirements

Table IV - N-LSource-specific Applicable Requirements S20, STEAM BOILER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 310.3	Heat Transfer Operations	<u>N</u> ¥	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
6-301	Ringelmann #1 Limitation	<u>Y</u>	
6-305	Visible Particles	<u> </u>	
6-310	Particulate Weight Limitation	<u>Y</u>	
6-310.3	Heat Transfer Operations	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	<u>Y</u> N	
9-10-305	CO emission limit	N	
9-10-401	Control Plan Requirements	N	
9-10-501	Initial Demonstration of Compliance Schedule	N	
9-10-502	Monitoring for sources subject to 9-10-301, 303, 304, and 305	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-504.1	Records for sources subject to 9-10-301, 304, or 305, or, effective July 17, 2002, 303	N	
9-10-505	Reporting for sources subject to 9-10-301, 303, 304, 305, and/or 306	N	
9-10-601	Determination of Nitrogen Oxides	<u>Y</u> N	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	

IV. Source Specific Applicable Requirements

Table IV - N- \underline{L} Source-specific Applicable Requirements S20, STEAM BOILER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon	(2/11)	Dute
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (3/29/0104/02/2008)		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	¥¹ <u>¥</u>	
9-10-502	Monitoring for sources subject to 9-10-303	¥¹ <u>Y</u>	
9-10-502.2	Fuel flowmeters	¥ <u>¥</u>	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	<u>Y</u>	
9-10-505	Reporting requirements for sources subject to 9-10-303 and/or 306	<u>Y</u>	
BAAQMD			
Condition			
#1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative	Y	
	increase)		
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18f	Estimates of NMHC emissions from combustion sources	Y	
	(Cumulative Increase)		
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative	Y	
	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
	(Cumulative Increase)		
BAAQMD			
Condition			
#19329			
Part 1	Hourly firing limits (Regulation 2-9-303.4.1, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	
BAAQMD			
Condition			

83

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - N-L Source-specific Applicable Requirements S20, STEAM BOILER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	<u>Y</u> N	1/1/05
Part 3	NOx box-operation (9-10-502)	<u>Y</u> N	1/1/05
Part 4	NOx box establishment (9-10-502)	<u>Y</u> N	1/1/05
Part 5	NOx box limits (9-10-502)	<u>Y</u> N	1/1/05
Part 6	NOx box deviations (9-10-502)	<u>Y</u> N	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	<u>Y</u> N	1/1/05
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	<u>Y</u> N	1/1/05
Part 7a.3	Source tests for shutdown sources	<u>Y</u> N	1/1/05
Part 7b	Source test results greater than NOx Box emission factor	<u>Y</u> N	1/1/05
Part 10	Records of source test data (9-10-502)	<u>YN</u>	1/1/05

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV - ⊕-<u>M</u> Source-specific Applicable Requirements S21, STEAM BOILER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		

IV. Source Specific Applicable Requirements

Table IV - Θ - $\underline{\mathbf{M}}$ Source-specific Applicable Requirements S21, STEAM BOILER

Annlieshla	Pagulatian Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Date
Regulation 1	Description of Requirement	(1/11)	Date
1-523	Parametric Monitoring and Recordkeeping Procedures	¥¹ <u>Y</u>	
1-523.3	Reports of Violations	<u>Y¹Y</u>	
BAAQMD	Interchangeable Emission Reduction Credits (4/7/99)	1 1	
Regulation 2,	interchangeable Emission Reduction Credits (4/1/22)		
Rule 9			
2-9-301	Bankable Interchangeable Emission Reduction Credits – General Provisions	N	
2-9-302	Use of IERC's	N	
2-9-303	Alternative Compliance Plan using IERC's	N	
2-9-304	Restrictions on the Use of IERC's	N	
2-9-305	Conversion of an ERC to an IERC	N	
2-9-306	Environmental Benefit Surcharge	N	
2-9-401	IERC Application	N	
2-9-401.4	Use of IERC's in lieu of compliance with the BARCT rule(s) specified in Section 2-9-302.	N	
2-9-402	Complete IERC Banking Application	N	
2-9-501	Monitoring and Record Keeping	N	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations - General Requirements	N	
2-9-605	Calculation Procedure to Determine the Required Amount of IERC's for BARCT Compliance	N	
BAAQMD	Particulate Matter and Visible Emissions General Requirements		
Regulation 6. Rule 1	(12/19/90 <u>12/5/2007</u>)		
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 310.3	—Heat Transfer Operations	<u>N</u> ¥	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
SIP Regulation 6	Particulate Matter and Visible Emissions (12/5/2007)		
6-301	Ringelmann #1 Limitation	<u>Y</u>	
6-305	Visible Particles	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - Θ - $\underline{\mathbf{M}}$ Source-specific Applicable Requirements S21, STEAM BOILER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-303	Emission Limit for Facility (Federal Requirements)	<u>Y</u> N	
9-10-305	CO emission limit	N	
9-10-401	Control Plan Requirements	N	
9-10-501	Initial Demonstration of Compliance Schedule	N	
9-10-502	Monitoring for sources subject to 9-10-301, 303, 304, and 305	N	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent verification system	N	
9-10-502.2	Fuel flowmeters	N	
9-10-504	Recordkeeping	N	
9-10-504.1	Records for sources subject to 9-10-301, 304, or 305, or, effective	N	
	July 17, 2002, 303		
9-10-505	Reporting	N	
9-10-601	Determination of Nitrogen Oxides	<u>Y</u> N	
9-10-602	Determination of Carbon Monoxide and Stack-Gas Oxygen	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (<u>3/29/01</u> 04/02/2008)		
9-10-303	Interim Emission Limit for Facility (Federal Requirements)	¥ <u>¥</u>	
9-10-502	Monitoring for sources subject to 9-10-303	¥ <u>*Y</u>	
9-10-502.2	Fuel flowmeters	¥¹ <u>¥</u>	
9-10-504.1	Recordkeeping for sources subject to 9-10-303	<u>Y</u>	
9-10-505	Reporting requirements for sources subject to 9-10-303 and/or 306	<u>Y</u>	
BAAQMD			

86

IV. Source Specific Applicable Requirements

Table IV - Θ - $\underline{\mathbf{M}}$ Source-specific Applicable Requirements S21, STEAM BOILER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition #1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.10	Requirement for Continuous Recording Oxygen Analyzers (2-1-403)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18f	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18h	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
BAAQMD Condition #19329			
Part 1	Hourly firing limits (Regulation 2-9-303.4.1, Cumulative Increase)	N	
Part 2	Quarterly and annual reports (Regulation 2-9-303.3)	N	
Part 3	Annual submittal of documents (Regulation 2-9-303.3)	N	
Part 4	Recordkeeping (Regulation 2-9-303.3)	N	
BAAQMD Condition #21233			
Part 1	Affected sources, firing rates, use of ACP (9-10-301, 9-10-305, 2-9-303.4.1)	<u>Y</u> N	1/1/05
Part 3	NOx box-operation (9-10-502)	<u>Y</u> N	1/1/05
Part 4	NOx box establishment (9-10-502)	<u>Y</u> N	1/1/05
Part 5	NOx box limits (9-10-502)	<u>Y</u> N	1/1/05
Part 6	NOx box deviations (9-10-502)	<u>Y</u> N	1/1/05
Part 7	Source tests for NOx and CO at maximum NOx (9-10-502)	<u>Y</u> N	1/1/05

87

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - O-M Source-specific Applicable Requirements S21, STEAM BOILER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 7a.1	Annual tests at sources below 25 MMbtu/hr (9-10-502)	<u>Y</u> N	1/1/05
Part 7a.3	Source tests for shutdown sources	<u>Y</u> N	1/1/05
Part 7b	Source test results greater than NOx Box emission factor	<u>Y</u> N	1/1/05
Part 10	Records of source test data (9-10-502)	<u>Y</u> N	1/1/05

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source Specific Applicable Requirements

Table IV - PN Source-specific Applicable Requirements S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/017/19/2006)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	¥ ¹ <u>Y</u>	
1-523.3	Reports of Violations	¥ ¹ <u>Y</u>	
BAAQMD	Particulate Matter, General Requirements and Visible		
Regulation 62	Emissions (12/19/9012/5/2007)		
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> Y	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 310.3	—Heat Transfer Operations	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	Visible Particles	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
6-310.3	Heat Transfer Operations	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			

IV. Source Specific Applicable Requirements

Table IV - P-NSource-specific Applicable Requirements S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 5			
8-5-118	Limited exemption, gas tight requirement	<u>N</u>	
8-5-306	Requirements for Approved Emission Control Systems	<u>N</u>	
<u>8-5-306.1</u>	Requirements for Approved Emission Control Systems; Abatement efficiency >= 95%	<u>N</u>	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	<u>N</u>	
8-5-502	Source test requirements; Approved Emission Control Systems	<u>N</u>	
8-5-502.1	Source test requirements; Approved Emission Control Systems for 8-5-306.1; Annual source tests	N	
8-5-603	Determination of abatement efficiency	<u>N</u>	
SIP	Storage of Organic Liquids (<u>06/05/200311/27/02</u>)	_	
BAAQMD	,		
Regulation 8,			
Rule 5			
8-5-306	Requirements for Approved Emission Control Systems; gas tight and >= 95% abatement	Y	
8-5-503	Portable hydrocarbon detector for 8-5-306	<u>Y</u>	
8-5-603	Determination of Emissions	<u>Y</u>	
8-5-603.1	Determination of Emissions for 8-5-306	<u>Y</u>	
BAAQMD Regulation 8, Rule 6	Organic Liquid Bulk Terminals And Bulk Plants (2/2/ <u>19</u> 94)		
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD Regulation 8, Rule 8	Wastewater Collection and Separation Systems (9/15/ <u>20</u> 04)		
8-8-301	Wastewater separators designed rated capacity greater than 760 liters per day (200 gal/day) and smaller than 18.9 liters per second (300 gal/min)	Y	
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight	N	
<u>8-8-305</u>	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - P-N Source-specific Applicable Requirements S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An	<u>N</u>	
	organic compound vapor recovery system with a combined		
0.0.400	collection and destruction efficiency of at least 70 percent by weight		
8-8-602	Determination of Emissions	N	
SIP	Wastewater (Oil-Water) Separators (8/29/1994)		
Regulation 8,			
Rule 8			
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic	Y	
	compound vapor recovery system with a combined collection and		
	destruction efficiency of at least 95 percent by weight.		
<u>8-8-305.2</u>	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An	<u>Y</u>	
	organic compound vapor recovery system with a combined		
	collection and destruction efficiency of at least 70 percent by weight		
8-8-602	Determination of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and	N	
	capable of firing fuel other than natural gas or LPG		
9-10-217	Definition: Small Unit: Between 1 and 10 MMBTU/hr and capable	Y	
	of firing fuel other than natural gas or LPG		
9-10-306	Small Unit Requirements	Y	
9-10-306.2	Tune-up requirements	Y	
9-10-402	Control Plan Requirements, Small Units	N	
9-10-504	Records	N	
9-10-504.2	Annual tune-ups	N	
9-10-505	Reporting Requirements	N	
9-10-505.1	Reports of violations of 9-10-301, 303, 304, 305, and/or 306, in	N	
	writing within ninety-six (96) hours		
9-10-605	Tune-up Procedures	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (3/29/01)		

91

IV. Source Specific Applicable Requirements

Table IV - P-NSource-specific Applicable Requirements S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement		Federally Enforceable (Y/N)	Effe	ure ctive ate
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr	and	$\underline{\mathbf{Y}}^{1}\underline{\mathbf{Y}}$		
	capable of firing fuel other than natural gas or LPG				
9-10-402	Control Plan Requirements, Small Units		<u>¥¹Y</u>		
BAAQMD Regulation 10	New Source Performance Standards Incorporation by Reference (2/16/00)				
10-17	40 CFR40 CFR, Part 60 Subpart Kb		<u>Y</u>		
<u>10-51</u>	40 CFR40 CFR, Part 60 Subpart UU		<u>Y</u>		
40 CFR 60	General Provisions (6/1/06)				
Subpart A					
60.11	Compliance with Standards and Maintenance Requirements		¥		
60.11(a)	Compliance determined by performance tests		¥		
60.11(d)	Control devices operated using good air pollution control		¥		
	practice				
40 CFR40	New Source Performance Standard for Storage Vessels for				
CFR, Part 60	Petroleum Liquids for Which Construction, Reconstruction	or			
Subpart Kb	Modification Commenced After July 23, 1984. (10/15/03)				
	Requirements for Control Devices				
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent		Y		
(ii)	system and control device >= 95% inlet VOC emission reduction	1			
60.113b(c)	Testing and Procedures; Closed vent system and control device (flare)	not	Y		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (flare) operating plan submission	not	Y		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	Y		
(i)	flare) operating planefficiency demonstration				
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	Y		
(ii)	flare) operating planmonitoring parameters				
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (flare) operate in accordance with operating plan	not	Y		
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy	1	Y		
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records	1	Y		

IV. Source Specific Applicable Requirements

Table IV - P-N Source-specific Applicable Requirements S24, HOT OIL HEATER

			Federa	11	Futu	11 0
Applicable	Regulation Title or		Enforcea	-	Effect	
Requirement	Description of Requirement		(Y/N)		Date	
60.116b(a)	Monitoring of Operations; Record retention		Y	,	Dut	
40 CFR40	Standards of Performance for Asphalt Processing and Aspha	lt .				
CFR, Part	Roofing Manufacture (10/17/00)	110				
60, Subpart	Rooting Manufacture (10/17/00)					
UU						
60.470(a)	Applicability and designation of affected facilities; asphalt storage	ge	<u>Y</u>			
	tanks		_			
60.470(b)	Applicability and designation of affected facilities; asphalt storage	ge	<u>Y</u>			
	tanks		_			
60.472(c)	Asphalt storage tank oOpacity standard		Y			
60.473(c)	Parametric monitoring		Y			
60.473(d)	Exemption from quarterly reports		Y			
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine	ine	<u>Y</u>			
	opacity		_			
40 CFR 61,	National Emission Standards for Benzene Waste			'		
Subpart FF	Operations (12/4/03)					
61.340(a)	Applicability		¥			
61.343(a)(1)	Design and operation of closed vent system and control device		¥			
(ii)						
61.349(a)	Closed Vent system design, installation, operation and		¥			
	maintenance					
61.349(a)(1)	Closed Vent system specifications		¥			
61.349(a)(1)	Standards: Closed-vent systems and Control Devices Closed		¥			
(i)	vent system-no detectable emission >/= 500 ppmv, annual					
	inspection					
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; use of		¥			
(ii)	carseal in lieu of flow monitor					
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control		¥			
	device requirements					
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices;		¥			
(i)	Enclosed combustion device requirements					
61.349(a)(2)	Controlled by enclosed combustion device with greater than		¥			
(-)()	*					
(i)(A)	95% control efficiency.					

IV. Source Specific Applicable Requirements

Table IV - P-N Source-specific Applicable Requirements S24, HOT OIL HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Enforce	Federally Enforceable (Y/N)	
61.349(c)	Standards: Closed Vent Systems and Control Devices; Control	¥		
, ,	Device Performance Demonstration			
61.349(c)(2)	Performance tests	¥		
61.349(e)	Administrator may request performance tests	¥		
61.349(f)	Visually inspect for leaks quarterly	¥		
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥		
61.349(h)	Monitor per 61.354(e)	¥		
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices—Continuously monitor control device operation	¥		
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW	¥		
61.355(i)	Performance test procedures	¥		
61.356(d)	Engineering design documentation for all control equipment	¥		
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349 retain for life of device	¥		
61.356(f)(1)	Recordkeeping Requirements: certification of performance	¥		
61.356(f)(3)	Requirements for performance tests	¥		
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥		
61.356(j)	Recordkeeping Requirements: Control device operation	¥		
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥		
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥		
61.356(j)(3)	Recordkeeping Requirements: periods when closed vent system and control device are not operating	¥		
61.356(j)(3)	Recordkeeping Requirements: periods when valve carseal is	¥		
(i)	broken or bypass line position changed	1		
61.356(j)(6)	Recordkeeping Requirements: Control device operation-	¥		
61 257(d)(7)	Process Heater < 44 MW	V		
61.357(d)(7) 61.357(d)(7)	Reporting Requirements: Quarterly report requirements	¥		
61.337(d)(7) (iv)	Reporting Requirements: Quarterly report—Control device monitored per 61.354(c)	¥		
61.357(d)(7)	Reporting Requirements: Quarterly report Process Heater < 44	¥		

IV. Source Specific Applicable Requirements

Table IV - P-NSource-specific Applicable Requirements S24, HOT OIL HEATER

			Federa	ılly	Future
Applicable	Regulation Title or		Enforceab (Y/N)		Effective
Requirement	Description of Requirement				Date
(iv)(C)	MW				
61.357(d)(7)	Reporting Requirements: change of location where vent stream		¥		
(iv)(G)	is introduced into flame zone				
BAAQMD				•	
Condition					
#1240					
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)		Y		
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumula	tive	Y		
	increase)				
Part I.14	Facility Limits (Cumulative Increase)		Y		
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)		Y		
Part I.18a	NMHC and NOx estimates (Cumulative Increase)		Y		
Part I.18g	Estimates of NMHC emissions from combustion sources		Y		
	(Cumulative Increase)				
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulat	ive	Y		
	Increase)				
Part I.18j	Summary of emissions estimates and reports of non-compliance		Y		
	(Cumulative Increase)			_	
Part II.10	Control requirement for S25 (Cumulative Increase)		¥		
Part II.32a	Control and Destruction Efficiency Requirement for Requirement	1t	Y		
	for control of S3, S5, S6, S7 S8, S13, S37, S38, S41, S51, S52,	S53,			
	S54, S59, S60, S61, S62, S63, S65, S66, S70 (Regulation 8-5-30	06,			
	NSPS, cumulative increase, <u>BACT</u> , toxics)				_
Part II.32b	Requirement for control of S59 (8-5-306, NSPS, cumulative		¥		
	increase, toxics)				
Part II.32e	Requirement for control of S63 (8-5-306, NSPS, cumulative		¥		
	increase, offsets, BACT)				
Part II.32d	Fugitive emissions at vapor recovery equipment for S63		¥		
	(BACT)				
Part II.43	Control Requirement for S3 (BACT, Cumulative Increase,		¥		
	offsets)				
Part II.44	Vapor recovery and fugitive emission requirement for S3		¥		
	(BACT, Cumulative Increase, offsets)				

95

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - ₽-<u>N</u> Source-specific Applicable Requirements S24, HOT OIL HEATER

			Federa	•	Future
Applicable	Regulation Title or		Enforce		Effective
Requirement	Description of Requirement	(Y/N))	Date
Part II.53	Fugitive emissions at vapor recovery equipment for S65		¥		
	(BACT)				
Part II.55	Control and Destruction Efficiency Requirements for S5-8,		¥		
	S37, S38, S70 (Cumulative Increase, Offsets)				
Part II.56	Control and Destruction Efficiency Requirements for S51-53,		¥		
	S60, S65 (Cumulative Increase, Offsets)				
Part II.57	Control and Destruction Efficiency Requirements for S61, S62		¥		
	(Cumulative Increase, Offsets)				
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part		Y		
	60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.47.	3(c);			
	40 CFR 61.354(c)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-	-			
	414)				
Part II.58c	Allowable temperature excursions (2-1-403)		<u>Y</u>		
Part II.58d	Recordkeeping for allowable temperature excursions (2-1-403)		<u>Y</u>		
Part II.58e	Temperature excursion only applies when below limit (2-1-403)		<u>Y</u>		
Part II.58f	Operational conditions for temperature excursions (2-1-403)		<u>Y</u>	5.	
	Control requirement for S54 (Cumulative Increase)		¥		
art II.67					
-	Control and Destruction Efficiency Requirements for S54		¥		
art II.70	(Cumulative Increase)				
Part II.85	Vapor recovery and control requirement for S66 (BACT,		¥		
	eumulative increase, contemporaneous emission reductions)				
Part II.86	Fugitive emissions at vapor recovery equipment for S66		¥		
	(BACT)				
Part V.1	NOXNOx and CO limits (Cumulative Increase)		Y	·	

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV - Q Source-specific Applicable Requirements S25 Effluent Water Feed Tank

IV. Source Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/4/03)		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	¥	
61.343(a)	Standards: Tanks; Benzene containing wastes	¥	
61.343(a)(1)	Standards: Tanks; Fixed Roof-with closed vent system	¥	
61.343(a)(1)	Standards: Tanks; Fixed Roof-No openings	¥	
(i)(B)			
61.343(a)(1)	Standards: Tanks; Closed vent systems are subject to 61.349	¥	
(ii)			
61.343(e)	Standards: Tanks; Fixed roof quarterly inspection	¥	
61.349(c)(2)	Performance tests	¥	
61.343(d)	Standards: Tanks; Fixed roof repairs	¥	
61.349(a)	Standards: Closed Vent Systems and Control Devices; Applicability	¥	
61.349(a)(1)	Standards: Closed Vent Systems and Control Devices; Closed vent	¥	
01.5 15 (4)(1)	system requirements	•	
61.349(a)(1)	Standards: Closed vent systems and Control Devices Closed vent	¥	
(i)	system no detectable emission >/= 500 ppmv, annual inspection	-	
61.349(a)(1)	Car-sealed valves on bypass lines in closed vent system	¥	
(ii)(B)	cui seuled varves on bypass filles in closed vent system	1	
61.349(a)(1)	Gauging/sampling devices are gas-tight	¥	
(iii)	Guaging sampling actions are gas tight	1	
61.349(a)(1)	Safety valve provisions	¥	
(iv)	Salety valve provisions	1	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
21.5 .7 (u)(2)	device requirements	1	
61.349(a)(2)	Standards: Closed Vent Systems and Control Devices; Enclosed	¥	
(i)	combustion device requirements	1	
61.349(a)(2)	Controlled by enclosed combustion device with greater than 95%	¥	
(i)(A)	control efficiency.	F	
61.349(b)	Operated at all times.	¥	
`			
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
(1.240/.)(2)	Device Performance Demonstration		
61.349(c)(2)	Performance tests	¥	<u> </u>

IV. Source Specific Applicable Requirements

Table IV - Q Source-specific Applicable Requirements \$25 Effluent Water Feed Tank

		Federally -	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.349(e)	Administrator may request performance tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(c)	¥	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices -Continuously monitor control device operation	¥	
61.354(e)(1)	Monitor thermal vapor incinerator temperature	¥	
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input eapacity less than 44 MW	¥	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	¥	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	¥	
61.355(i)	Performance test procedures	¥	
61.356(a)	Recordkeeping and retention requirements	¥	
61.356(f)(3)	Records of performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	¥	
61.356(j)(3) (i)	Recordkeeping Requirements; Bypass Line Controls	¥	
61.356(j)(4)	Recordkeeping Requirements: Control device operation Thermal vapor incinerator	¥	
61.356(j)(6)	Recordkeeping Requirements: Control device operation-process heater	¥	
40 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	¥	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	¥	
63.647(c)	Operation consistent with minimum or maximum permitted	¥	

IV. Source Specific Applicable Requirements

Table IV - Q **Source-specific Applicable Requirements** S25 EFFLUENT WATER FEED TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	concentrations or operating parameter values		
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR	¥	
	61, Subpart FF, Sections 356 and 357		
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18e	Estimates of NMHC emissions from wastewater sources	¥	
	(Cumulative Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥	
	(Cumulative Increase)		
Part II.10	Control Requirement (Cumulative Increase)	¥	

99

IV. Source Specific Applicable Requirements

Table IV - R **Source-specific Applicable Requirements** S26, WASTEWATER TANK, ABATED BY PV VALVE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
40 CFR 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/03)		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	¥	
61.342	Standards: General	¥	
61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	¥	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene	¥	
61.357	Reporting Requirements	¥	
61.357(a)(3)	Information for uncontrolled streams	¥	
61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	¥	
61.357(d)(2)	Annual Reports	¥	
61.357(d)(5)	Reports of compliance with alternative requirements	¥	
4 0 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	¥	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	¥	
63.647(c)	Operation consistent with minimum or maximum permitted concentrations or operating parameter values	¥	
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357	¥	
BAAQMD			
Condition #1240		V.	
Part I.14	Facility Limits (Cumulative Increase)	*	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥	

IV. Source Specific Applicable Requirements

Table IV - R **Source-specific Applicable Requirements** S26, WASTEWATER TANK, ABATED BY PV VALVE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	(Cumulative Increase)		

101

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - S-O Source-specific Applicable Requirements

S27, RECOVERED OIL TANK-TK-4612A (FOR S66)

S67, RECOVERED OIL TANK-TK-4612B (FOR S41)

ABATED BY A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY PV VALVE

			Federa	lly	Future
Applicable	Regulation Title or		Enforceable		Effective
Requirement	Description of Requirement		(Y/N)		Date
BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (11/27/02)				
8-5-111	Limited Exemption, Tank Removal From and Return to Service		¥		
8-5-111.1	Notice to the APCO		¥		
8-5-111.2	Compliance before notification		¥		
8-5-111.4	Use of vapor recovery		¥		
8-5-111.5	Minimization of emissions		¥		
8-5-111.6	Written notice of completion not required		¥		
8-5-111.7	Compliance with Section 8-5-328		¥		
8-5-112	Limited Exemption, Tanks in Operation		¥		
8-5-112.1	Notice to the APCO		¥		
8-5-112.2	Compliance and certification before commencement of work		¥		
8-5-112.3	No product movement; minimization of emissions		¥		
8-5-112.4	Exemption does not exceed 7 days		¥		
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)		¥		
8-5-303	Requirements for Pressure Vacuum Valve		¥		
8-5-328	Tank Degassing Requirements		¥		
8-5-328.2	Tank degassing when ozone excess is predicted		¥		
8-5-403	Inspection Requirements for Pressure Vacuum Valves		¥		
8-5-404	Certification		¥		
8-5-501	Records		¥		
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures		¥		
8-5-503	Portable hydrocarbon detector		¥		
8-5-605	Pressure-Vacuum Valve Gas Tight Determination		¥		
BAAOMD Regulation 8, Rule 8	Organic Compounds, Wastewater Collection and Separa Systems (9/15/2004)	<u>tion</u>			
<u>8-8-303</u>	Gauging and Sampling Devices Oil water Separator and/or Air Flotation Unit Slan Oil Vege	ala:	<u>Y</u>		
<u>8-8-305</u>	Oil-water Separator and/or Air Flotation Unit Slop Oil Vesso	21S;	<u>Y</u>		

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - S-O

Source-specific Applicable Requirements

S27, RECOVERED OIL TANK-TK-4612A (FOR S66)

S67, RECOVERED OIL TANK-TK-4612B (FOR S41)

ABATED BY A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY PV VALVE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-8-305.2	Oil-water Separator and/or Air Flotation Unit Slop Oil Vessels;		2400
	with organic compound vapor recovery system with >= 70%	_	
	(wt) abatement efficiency		
8-8-503	Inspection and Repair Records	<u>Y</u>	
8-8-504	Portable Hydrocarbon Detector	<u>Y</u>	
8-8-602	Determination of Emissions	<u>N</u>	
<u>8-8-603</u>	Inspection Procedures	<u>N</u>	
SIP Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water) Separators (8/29/1994)		
8-8-602	Determination of Emissions	<u>Y</u>	
<u>8-8-603</u>	Inspection Procedures	<u>Y</u>	
40 CFR40 CFR, Part 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/4/03) Requirements for Uncontrolled Aqueous Waste Streams in 6BO Facility	S	
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.341	<u>Definitions</u>	<u>Y</u>	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	<u>Y</u>	
61.342(e)	Standards: General; Alternative to 61.342(e) and 61.342(d)Compliance option for 6BQ facility	Y	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	Y	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall no contain more than 6.0 Mg/yr benzene	ot Y	
61.342(e)(2) (ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	<u>n</u> <u>Y</u>	
61.357	Reporting Requirements	¥	·
61.357(a)(3)	Information for uncontrolled streams	¥	
61.357(d)	Reporting Requirements: Facilities with 10 Mg/yr or more total benzene in waste	¥	
61.357(d)(2)	Annual Reports	¥	
61.357(d)(5)	Reports of compliance with alternative requirements	¥	
40 CFR40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Wastewater Streams		

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - <u>S-O</u>

Source-specific Applicable Requirements

S27, RECOVERED OIL TANK-TK-4612A (FOR S66)

S67, RECOVERED OIL TANK-TK-4612B (FOR S41)

ABATED BY A31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY PV VALVE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.640(c)(3)	Wastewater steams associated with petroleum refining process	Y	
	<u>units</u>		
<u>63.641</u>	<u>Definitions</u>	<u>Y</u>	
BAAQMD			
Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources	Y	
	(Cumulative Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR40 CFR, Part 60.473(c); Regulation 2-6-409.2.2, 2-6-414)	<u>Y</u>	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	

Table IV - T Source-specific Applicable Requirements S28, EFFLUENT WATER FEED TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/4/03)		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	¥	

IV. Source Specific Applicable Requirements

Table IV - T Source-specific Applicable Requirements S28, EFFLUENT WATER FEED TANK

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
61.343(a)	Standards: Tanks; Benzene-containing wastes	¥	
61.343(a)(1)	Standards: Tanks; Fixed Roof-with closed vent system	¥	
61.343(a)(1)	Standards: Tanks; Fixed Roof-No openings	¥	
(i)(B)			
61.343(a)(1)	Standards: Tanks; Closed-vent systems are subject to 61.349	¥	
(ii)			
61.343(e)	Standards: Tanks; Fixed roof quarterly inspection	¥	
61.343(d)	Standards: Tanks; Fixed roof repairs	¥	
61.349(a)	Standards: Closed Vent Systems and Control Devices; Applicability	¥	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	¥	
(1.240(.)(1)	system requirements	3.7	
61.349(a)(1)	Standards: Closed vent systems and Control Devices Closed vent	¥	
(i)	system no detectable emission >/= 500 ppmv, annual inspection	**	
61.349(a)(1)	Car-sealed valves on bypass lines in closed-vent system	¥	
(ii)(B)		***	
61.349(a)(1)	Gauging/sampling devices are gas-tight	¥	
(1.240(-)(1)	0.64 1	3.7	
61.349(a)(1)	Safety valve provisions	¥	
(1 240(a)(2)	Chandandar Classed Want Syntama and Control Devices Control	¥	
61.349(a)(2)	Standards: Closed Vent Systems and Control Devices; Control	1	
(1.240(-)(2)	device requirements	3.7	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Enclosed	¥	
(i)	combustion device requirements		
61.349(a)(2)	Controlled by enclosed combustion device with greater than 95%	¥	
(i)(A)	control efficiency.		
61.349(b)	Operated at all times.	¥	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
	Device Performance Demonstration		
61.349(c)(2)	Performance tests	¥	
61.349(e)	Administrator may request performance tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(c)	¥	

IV. Source Specific Applicable Requirements

Table IV - T **Source-specific Applicable Requirements** S28, EFFLUENT WATER FEED TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.354(e)	Monitoring of Operations; Closed-vent systems and control devices-	¥	
	-Continuously monitor control device operation		
61.354(c)(1)	Monitor thermal vapor incinerator temperature	¥	
61.354(e)(4)	Monitoring for a boiler or process heater having a design heat input eapacity less than 44 MW	¥	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	¥	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	¥	
61.355(i)	Performance test procedures	¥	
61.356(a)	Recordkeeping and retention requirements	¥	
61.356(f)(3)	Records of performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	¥	
61.356(j)(3) (i)	Recordkeeping Requirements; Bypass Line Controls	¥	
61.356(j)(4)	Recordkeeping Requirements: Control device operation—Thermal	¥	
61.356(j)(6)	Recordkeeping Requirements: Control device operation-process	¥	
40 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	¥	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	¥	
63.647(c)	Operation consistent with minimum or maximum permitted	¥	
	concentrations or operating parameter values	_	
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357	¥	
BAAQMD			

IV. Source Specific Applicable Requirements

Table IV - T **Source-specific Applicable Requirements** S28, EFFLUENT WATER FEED TANK

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	¥	

107

IV. Source Specific Applicable Requirements

Table IV - W-P Source-specific Applicable Requirements S31, RAIL CAR GAS OIL AND ASPHALT LOADING RACK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible		
Regulation 6.	Emissions (12/19/9012/5/2007)		
Rule 1 6-1-301	Ringelmann #1 Limitation	N Y	
6-1-305	Visible Particles	<u>N</u> Y	
6- <u>1-</u> 303	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 310	Appearance of Emissions	<u>N</u> Y	
	**		
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>N</u>	
SIP	Particulate Matter and Visible Emissions (9/8/1998)		
Regulation 6	and reduced visited and a possible diministration (970) 1990)		
6-301	Ringelmann #1 Limitation	<u>Y</u>	
6-305	Visible Particles	<u>Y</u>	
6-310	Particulate Weight Limitation	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Organic Liquid Bulk Terminals And Bulk Plants (2/2/94)		
Regulation 8,			
Rule 6			
8-6-114	Exemption, Maintenance and Repair	Y	
8-6-301	Bulk Terminal Limitations	Y	
8-6-305	Delivery Vehicle Requirements	Y	
8-6-306	Equipment Maintenance	Y	
8-6-307	Operating Practices	Y	
8-6-501	Efficiency and Rate Determination	Y	
8-6-502	Portable Hydrocarbon Detector	Y	
8-6-601	Efficiency and Rate Determination	Y	
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Regulation 8,			
Rule 15			

IV. Source Specific Applicable Requirements

Table IV - Ψ _P Source-specific Applicable Requirements S31, RAIL CAR GAS OIL AND ASPHALT LOADING RACK

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	<u>Y</u>	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c), 40 CFR 61.354(c)(1), 61.354(c)(4), 2-6-409.2.2, 2-6-414)	Y	
Part II.66	Control Requirement (Cumulative Increase)		
Part II.69	Destruction Efficiency Requirement (Cumulative Increase, BACT)	,	
Part II.72	Vapor Pressure Requirement (Cumulative Increase, offsets, toxics)	Y	
Part II.72a	Monitoring for compliance with 8-6-306 for vapor tightness (2-6-503)	Y	
Part II.72b	Monitoring for compliance with 8-6-306 for leak-free equipment (2-6-503)	Y	
Part II.73	Vapor Pressure Requirement for Asphalt (Cumulative Increase, offsets, toxics)	Y	
Part II.74	Asphalt Throughput Requirement	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	<u>Y</u>	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - X-Q Source-specific Applicable Requirements S34, TANK HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible		
Regulation 6_{2}	Emissions (12/19/9012/50/2007)		
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> Y	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 310.3	Heat Transfer Operations	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
<u>SIP</u>	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	Visible Particles	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-310.3</u>	Heat Transfer Operations	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.1	Exemptions	Y	
BAAQMD			
Condition			
#1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative	Y	
	increase)		
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources	Y	

IV. Source Specific Applicable Requirements

Table IV - X-Q Source-specific Applicable Requirements S34, TANK HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Cumulative Increase)		
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	

Table IV - Y **Source-specific Applicable Requirements** S39, LUBE OIL TANK

		Federally .	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
4 0 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	¥	
	group determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	¥	
	method 18 to resolve disputes		
63.654(i)(1)	Reporting and Recordkeeping Requirements—Recordkeeping for	¥	
	storage vessels		
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	¥	
(iv)	storage vessels		
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping—	¥	
	Record retention		
BAAQMD			
Condition			

IV. Source Specific Applicable Requirements

Table IV - Y **Source-specific Applicable Requirements** S39, LUBE OIL TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	

Table IV - Z **Source-specific Applicable Requirements** S40, LATEX STORAGE TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	<u>N</u>	
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
40 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.646(b)(1)	Storage Vessel Provisions - Determine stored liquid % OHAP for	¥	
	group determination		
63.646(b)(2)	Storage Vessel Provisions - Determine stored liquid % OHAP-	¥	
	method 18 to resolve disputes		
63.654(i)(1)	Reporting and Recordkeeping Requirements—Recordkeeping for	¥	
	storage vessels		
63.654(i)(1)	Reporting and Recordkeeping Requirements Recordkeeping for	¥	
(iv)	storage vessels		
63.654(i)(4)	Reporting and Recordkeeping Requirements Recordkeeping	¥	
	Record retention		
BAAQMD			
Condition			

IV. Source Specific Applicable Requirements

Table IV - Z **Source-specific Applicable Requirements** S40, LATEX STORAGE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	

IV. Source Specific Applicable Requirements

Table IV - AA-R Source-specific Applicable Requirements S41, WEMCO HYDROCLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Wastewater Collection and Separation Systems (9/15/2004)		
Regulation 8,			
Rule 8			
8-8-303	Gauging and Sampling Devices	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-601	Wastewater Analysis for Critical OCs	<u>Y</u> N	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP	Wastewater (Oil-Water) Separators (8/29/1994)		
Regulation 8, Rule 8			
8-8-601	Wastewater Analysis for Critical Organic Compounds	¥	
8-8-602	Determination of Emissions	¥	
8-8-603	Inspection Procedures	Y	
40 CFR40	National Emission Standards for Benzene Waste Operations		
CFR, Part 61	(12/4/2003)		
Subpart FF	Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility		
61.340(a)	Applicability: Chemical Manufacturing, Coke by-product recovery, petroleum refineries	Y	
61.341	<u>Definitions</u>	<u>Y</u>	
61.342	Standards: General	<u>Y</u>	
61.342(b)	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	<u>Y</u>	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	<u>Y</u>	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	<u>Y</u>	
61.342(e)(2)(i	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).	<u>Y</u>	
61.342(e)(2) (ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	<u>Y</u>	
61.347(a)	Except as provided in 61.352 of this subpart, each oil water separator shall meet the following standards:	¥	
61.347(a)(1)	Install, operate, and maintain a fixed-roof and closed vent system	¥	

IV. Source Specific Applicable Requirements

Table IV - AA-R Source-specific Applicable Requirements S41, WEMCO HYDROCLEANER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
-	that routes all organic vapors vented from the oil-water separator to a	, ,	
	control device.		
61.347(a)(1)	Standards: Oil Water Separators	Y	
(i)(A)			
61.347(a)(1)	Standards: Oil-Water Separators; Fixed roof-No openings	¥	
(i)(B)	01 1 4 61240	37	
61.347(a)(1)	Closed-vent systems are subject to 61.349.	¥	
(ii) 61.347(b)	Cover seals, access hatches, and other openings shall be checked	¥	
01.347(0)	visually initially and quarterly thereafter to ensure no cracks, gaps	+	
	occur between the cover and wall and that access hatches are closed		
	and gasketted properly.		
61.347(e)	except for delay or repair, when a broken seal or gasket or other	¥	
	problem is identified, or when detectable emissions are measured,		
	first efforts repairs shall be made AS SOON AS POSSIBLE, but not		
	later than 15 calendar days after identification		
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	¥	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	¥	
	system requirements		
61.349(a)(1)	Standards: Closed vent systems and Control Devices Closed vent	¥	
(i)	system no detectable emission >/= 500 ppmv, annual inspection		
61.349(a)(1) (ii)(B) 61.349(a)(1)	Car-sealed valves on bypass lines in closed vent system	¥	
61.349(a)(1)	Gauging/sampling devices are gas-tight	¥	
(iii)			
61.349(a)(1)	Safety valve provisions	¥	
(iv)			
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
(1.240(-)(2)	device requirements	37	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Enclosed	¥	
(i) 61.349(a)(2)	combustion device requirements Controlled by enclosed combustion device with greater than 95%	¥	
(i)(A)	control efficiency.	T	
61.349(b)	Operated at all times.	¥	
61.349(c)	Standards: Closed Vent Systems and Control Devices; Control	¥	
01.0 15(0)	Device Performance Demonstration	-	
61.349(c)(2)	Performance tests	¥	
61.349(e)	Administrator may request performance tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(e)	¥	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices-	¥	
	-Continuously monitor control device operation		

IV. Source Specific Applicable Requirements

Table IV - AA-R Source-specific Applicable Requirements S41, WEMCO HYDROCLEANER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.354(e)(1)	Monitor thermal vapor incinerator temperature	¥	
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input	¥	
	capacity less than 44 MW		
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	¥	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	¥	
61.355(i)	Performance test procedures	¥	
61.356(f)	Recordkeeping Requirements: Closed vent system and control	¥	
	device per 61.349 retain for life of device		
61.356(f)(1)	Recordkeeping Requirements: certification of performance level	¥	
61.356(f)(3)	Requirements for performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: periods when closed vent system and	¥	
	control device are not operating		
61.356(j)(3)	Recordkeeping Requirements; Bypass Line Controls	¥	
61.356(j)(4)	Recordkeeping Requirements: Control device operation—Thermal vapor incinerator	¥	
61.356(j)(6)	Recordkeeping Requirements: Control device operation-process	¥	
40 CFR40 CFR, Part 63 Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) Requirements for Group 2 Wastewater Streams		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.641	<u>Definitions</u>	<u>Y</u>	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	¥	
63.647(c)	Operation consistent with minimum or maximum permitted	¥	
	concentrations or operating parameter values		
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR	¥	
	61, Subpart FF, Sections 356 and 357		
BAAQMD			
Condition			

Facility Name: Valero Benicia Asphalt Plant

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - AA-R Source-specific Applicable Requirements S41, WEMCO HYDROCLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	<u>Y</u>	
Part II.58b	Continuous Temperature Monitoring (40 CFR40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.92	Throughput Limit (Cumulative Increase)	Y	
Part II.92a	Recordkeeping (Cumulative Increase)	Y	
Part II.93	Contain Emissions in Closed Vent System (Cumulative Increase)	<u>Y</u>	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	

Table IV - AB Source-specific Applicable Requirements \$51, \$52, \$53, \$60, \$ALES TANKS-ASPHALT LIQUID

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	¥	
6-305	Visible Particles	¥	

IV. Source Specific Applicable Requirements

Table IV - AB **Source-specific Applicable Requirements** S51, S52, S53, S60, SALES TANKS-ASPHALT LIQUID

Requirement	Regulation Title or	1	
_	regulation Title of	Enforceable	Effective
(210	Description of Requirement	(Y/N)	Date
6-310	Particulate Weight Limitation	¥	
6-401	Appearance of Emissions	¥	
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Regulation 8,			
Rule 15			
8-15-305	Prohibition of Manufacture and Sale	¥	
8-15-501	Records	¥	
4 0 CFR 60,	Standards of Performance for Asphalt Processing and Asphalt		
Subpart UU	Roofing Manufacture (10/17/00)		
	Opacity standard	Y	
0.472(e)			
	Parametric monitoring	¥	
0.473(e)			
	Exemption from quarterly reports	¥	
0.473(d)			
	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.646(b)(1)	Storage Vessel Provisions - Determine stored liquid % OHAP for	¥	
	group determination		
63.646(b)(2)	Storage Vessel Provisions - Determine stored liquid % OHAP-	¥	
	method 18 to resolve disputes		
63.654(i)(1)	Reporting and Recordkeeping Requirements - Recordkeeping for	¥	
	storage vessels		
	Reporting and Recordkeeping Requirements—Recordkeeping for	¥	
	storage vessels		
1 1	Reporting and Recordkeeping Requirements—Recordkeeping	¥	
	Record retention		
BAAQMD			
Condition			
#1240			
INTO	Facility Limits (Cumulative Increase)	¥	

IV. Source Specific Applicable Requirements

Table IV - AB **Source-specific Applicable Requirements** S51, S52, S53, S60, SALES TANKS-ASPHALT LIQUID

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18e	Estimates of NMHC emissions from tanks (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	¥	
Part II.48	Throughput Limit (Cumulative Increase, Offsets)	¥	
Part II.49	Prohibition against cutback asphalt (Toxics)	¥	
Part II.50	Vapor Pressure Limit (Cumulative Increase, Offsets)	¥	
Part II.56	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	¥	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	¥	
art II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(e)(1)(ii) and 60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	¥	

Table IV - ACS Source-specific Applicable Requirements S54, ASPHALT LOADING RACK

Applicable Requirement BAAQMD Regulation 62	Regulation Title or Description of Requirement Particulate Matter, General Requirements and Visible Emissions (12/19/9012/5/2007)	Federally Enforceable (Y/N)	Future Effective Date
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> Y	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>N</u>	
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			

IV. Source Specific Applicable Requirements

Table IV - $\frac{AC}{S}$ Source-specific Applicable Requirements S54, ASPHALT LOADING RACK

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Regulation 8,			
Rule 15			
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18d	Estimates of NMHC emissions from loading racks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	<u>Y</u>	
Part II.58b	Continuous Temperature Monitoring (40 CFR40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR40 CFR, Part 60.473(c); 40 CFR 61.354(c)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	
Part II.67	Control Requirement (Cumulative Increase)	Y	
Part II.70	Destruction Efficiency Requirement (Cumulative Increase, BACT)	Y	
Part II.71	Vapor Pressure and Kerosene Throughput Requirement (Cumulative Increase, offsets)	Y	
Part II.74	Asphalt Throughput Requirement	Y	
Part II.75	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - $\frac{AC}{S}$ Source-specific Applicable Requirements S54, ASPHALT LOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	
Part IV.2	Asphalt truck inspections. (1-301)	N	
Part IV.3	Notification to trucking companies (1-301)	N	

Table IV - AD **Source-specific Applicable Requirements** S59, GAS OIL TANK #5

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	¥	
8-5-111.1	Notice to the APCO	¥	
8-5-111.2	Compliance before notification	¥	
8-5-111.4	Use of vapor recovery	¥	
8-5-111.5	Minimization of emissions	¥	
8-5-111.6	Written notice of completion not required	¥	
8-5-111.7	Compliance with Section 8-5-328	¥	
8-5-112	Limited Exemption, Tanks in Operation	¥	
8-5-112.1	Notice to the APCO	¥	
8-5-112.2	Compliance and certification before commencement of work	¥	
8-5-112.3	No product movement; minimization of emissions	¥	
8-5-112.4	Exemption does not exceed 7 days	¥	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	¥	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valve	¥	
8-5-306	Requirements for Approved Emission Control Systems	¥	
8-5-328	Tank Degassing Requirements	¥	

IV. Source Specific Applicable Requirements

Table IV - AD **Source-specific Applicable Requirements** S59, GAS OIL TANK #5

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-328.1	Tanks larger than 75 m ³	¥	
8-5-328.1.2	Concentration of organic compounds in tank of < 10,000 ppm as	¥	
	methane after degassing		
8-5-328.2	Tank degassing when ozone excess is predicted	¥	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	¥	
8-5-404	Certification	¥	
8-5-501	Records	¥	
8-5-501.1	Records of type and amount of liquids stored and true vapor	¥	
	pressures		
8-5-503	Portable hydrocarbon detector	¥	
8-5-603	Determination of emissions	¥	
8-5-603.1	Determination of Emissions; Organic compounds specified in	¥	
	8-5-306		
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	¥	
40 CFR 60	New Source Performance Standard for Storage Vessels for		
Subpart Kb	Petroleum Liquids for Which Construction, Reconstruction or		
	Modification Commenced After July 23, 1984. (10/15/03)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	¥	
	liquid storage vessels > or = to 75 cubic meter, after 7/23/1984		
60.112b(a)(3)	Closed vent system and control device	¥	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	¥	
(i)	system and control device no detectable emissions		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	¥	
(ii)	system and control device >= 95% inlet VOC emission reduction	-	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not	¥	
00.1130(0)	flare)	1	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	¥	
00.1130(0)(1)	flare) operating plan submission	Ŧ	
60.112b(a)(1)		37	
60.113b(e)(1)	Testing and Procedures; Closed vent system and control device (not	¥	
(i)	flare) operating plan-efficiency demonstration	37	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	¥	
(ii)	flare) operating plan-monitoring parameters		
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not	¥	

IV. Source Specific Applicable Requirements

Table IV - AD Source-specific Applicable Requirements \$59, Gas Oil Tank #5

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
_	flare) operate in accordance with operating plan		
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	¥	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system	¥	
	and control device (not flare) operating plan copy		
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system	¥	
	and control device (not flare) operating records		
60.116b(a)	Monitoring of Operations; Record retention	¥	
60.116b(b)	Monitoring of Operations; Permanent record requirements	¥	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	¥	
4 0 CFR 63	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refineries (6/23/03)		
63.640(c)(2)	Storage vessels associated with petroleum refining process units	¥	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	¥	
	Storage Vessels - Existing Group 1 or Group 2 also subject to Kb		
	only subject to Kb.		
63.640(n)(8)	Compliance with 40 CFR 60, Subpart Kb with some exceptions	¥	
BAAQMD			
Condition			
# 1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18e	Estimates of NMHC emissions from tanks (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥	
	(Cumulative Increase)		
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum	¥	
	Gas Oil, or Asphalt (Cumulative Increase, Toxics)		
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	¥	
Part II.31a	Monitoring for vapor pressure limit	¥	
Part II.32b	Control and Destruction Efficiency Requirement (Regulation	¥	
	8-5-306, NSPS, Cumulative Increase, Toxics)		
Part II.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	¥	
Part II.33a	Throughput Limit (Cumulative Increase, Toxics)	¥	

IV. Source Specific Applicable Requirements

Table IV - AD **Source-specific Applicable Requirements** S59, GAS OIL TANK #5

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part II.34	Recordkeeping (Cumulative Increase)	¥	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and	¥	
	60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1),		
	61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)		

Table IV - AE **Source-specific Applicable Requirements** S61, S62-ASPHALT STORAGE TANKS

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	¥	
6-305	Visible Particles	¥	
6-310	Particulate Weight Limitation	¥	
6-401	Appearance of Emissions	¥	
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
${\color{red} \textbf{Regulation 8,}}$			
Rule 15			
8-15-305	Prohibition of Manufacture and Sale	¥	
8-15-501	Records	¥	
40 CFR 60,	Standards of Performance for Asphalt Processing and Asphalt		
Subpart UU	Roofing Manufacture (10/17/00)		
	Opacity standard	Y	
0.472(e)			
	Parametric monitoring	¥	
0.473(e)			
	Exemption from quarterly reports	¥	

IV. Source Specific Applicable Requirements

Table IV - AE **Source-specific Applicable Requirements** S61, S62-ASPHALT STORAGE TANKS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
0.473(d)	N. C. I. I. C. I. I. C. I. I. D. II. A. C.		
40 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)	**	
63.646(b)(1)	Storage Vessel Provisions—Determine stored liquid % OHAP for	¥	
	group determination		
63.646(b)(2)	Storage Vessel Provisions—Determine stored liquid % OHAP-	¥	
	method 18 to resolve disputes		
63.654(i)(1)	Reporting and Recordkeeping Requirements—Recordkeeping for	¥	
	storage vessels		
63.654(i)(1)	Reporting and Recordkeeping Requirements - Recordkeeping for	¥	
(iv)	storage vessels		
63.654(i)(4)	Reporting and Recordkeeping Requirements - Recordkeeping -	¥	
	Record retention		
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥	
	(Cumulative Increase)		
Part II.48	Throughput Limit (Cumulative Increase, Offsets)	¥	
Part II.49	Prohibition against cutback asphalt (Toxics)	¥	
Part II.51	Vapor Pressure Limit (Cumulative Increase, Offsets, NSPS, BACT)	¥	
Part II.57	Control and Destruction Efficiency Requirements (Cumulative	¥	
1 410 11.0 /	Increase, Offsets)	-	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	¥	
	Continuous Temperature Monitoring (40 CFR 60.113b(e)(1)(ii) and	¥	
art II.58b	60.113b(e)(2); 40 CFR 60.473(e); 40 CFR 61.354(e)(1);	-r	
uit 11.500	61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)		

IV. Source Specific Applicable Requirements

Table IV - AF Source-specific Applicable Requirements \$63, TANK 31

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	¥	
8-5-111.1	Notice to the APCO	¥	
8-5-111.2	Compliance before notification	¥	
8-5-111.4	Use of vapor recovery	¥	
8-5-111.5	Minimization of emissions	¥	
8-5-111.6	Written notice of completion not required	¥	
8-5-111.7	Compliance with Section 8-5-328	¥	
8-5-112	Limited Exemption, Tanks in Operation	¥	
8-5-112.1	Notice to the APCO	¥	
8-5-112.2	Compliance and certification before commencement of work	¥	
8-5-112.3	No product movement; minimization of emissions	¥	
8-5-112.4	Exemption does not exceed 7 days	¥	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	¥	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valve	¥	
8-5-306	Requirements for Approved Emission Control Systems	¥	
8-5-328	Tank Degassing Requirements	¥	
8-5-328.1	Tanks larger than 75 m ³	¥	
8-5-328.1.2	Concentration of organic compounds in tank of < 10,000 ppm as	¥	
	methane after degassing		
8-5-328.2	Tank degassing when ozone excess is predicted	¥	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	¥	
8-5-404	Certification	¥	
8-5-501	Records	¥	
8-5-501.1	Records of type and amount of liquids stored and true vapor	¥	
	pressures		
8-5-503	Portable hydrocarbon detector	¥	
8-5-603	Determination of emissions	¥	
8-5-603.1	Determination of Emissions; Organic compounds specified in	¥	
	8-5-30 6		
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	¥	

IV. Source Specific Applicable Requirements

Table IV - AF **Source-specific Applicable Requirements** S63, TANK 31

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60	New Source Performance Standard for Storage Vessels for		
Subpart Kb	Petroleum Liquids for Which Construction, Reconstruction or		
	Modification Commenced After July 23, 1984. (10/15/03)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	¥	
	liquid storage vessels > or = to 75 cubic meter, after 7/23/1984		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	¥	
(i)	system and control device no detectable emissions		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	¥	
(ii)	system and control device >= 95% inlet VOC emission reduction		
60.113b(c)	Testing and Procedures; Closed vent system and control device (not	¥	
	flare)		
60.113b(e)(1)	Testing and Procedures; Closed vent system and control device (not	¥	
	flare) operating plan submission		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	¥	
(i)	flare) operating plan-efficiency demonstration		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	¥	
(ii)	flare) operating plan-monitoring parameters		
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not	¥	
	flare) operate in accordance with operating plan		
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks	¥	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system	¥	
	and control device (not flare) operating plan copy		
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system	¥	
	and control device (not flare) operating records		
60.116b(a)	Monitoring of Operations; Record retention	¥	
60.116b(b)	Monitoring of Operations; Permanent record requirements	¥	
60.116b(g)	Monitoring of Operations; Exemption from 116b(c) and 116b(d)	¥	
4 0 CFR 63	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refineries (6/23/03)		
63.640(c)(2)	Storage vessels associated with petroleum refining process units	¥	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	¥	
	Storage Vessels—Existing Group 1 or Group 2 also subject to Kb		
	only subject to Kb.		

IV. Source Specific Applicable Requirements

Table IV - AF **Source-specific Applicable Requirements S63, TANK 31**

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
63.640(n)(8)	Compliance with 40 CFR 60, Subpart Kb with some exceptions	¥	
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥	
	(Cumulative Increase)		
Part II.30	Storage of Materials other than Kerosene, Light or Heavy Vacuum	¥	
	Gas Oil, or Asphalt (Cumulative Increase, Toxics)		
Part II.31	Vapor Pressure Limit (Cumulative Increase, Toxics)	¥	
Part II.31a	Monitoring for vapor pressure limit	¥	
Part II.32c	Control and Destruction Efficiency Requirement (Regulation	¥	
	8-5-306, NSPS, Cumulative Increase, Toxics)		
Part II.32d	Fugitive emissions at vapor recovery equipment (BACT)	¥	
Part II.32e	Monitoring of fugitive emissions at closed vent system (2-6-503)	¥	
Part II.33a	Throughput Limit (Cumulative Increase, Toxics)	¥	
Part II.33b	Prohibition against cutback asphalt materials (Toxics)	¥	
Part II.34	Recordkeeping (Cumulative Increase)	¥	
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(e)(1)(ii) and	¥	
	60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(1),		
	61.354(c)(4), , Regulation 2-6-409.2.2, 2-6-414)		

Table IV - AG **Source-specific Applicable Requirements** S65-ASPHALT STORAGE TANK

IV. Source Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	¥	
6-305	Visible Particles	¥	
6-310	Particulate Weight Limitation	¥	
6-401	Appearance of Emissions	¥	
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	¥	
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Regulation 8,			
Rule 15			
8-15-305	Prohibition of Manufacture and Sale	¥	
8-15-501	Records	¥	
4 0 CFR 60,	Standards of Performance for Asphalt Processing and Asphalt		
Subpart UU	Roofing Manufacture (10/17/00)		
	Opacity standard	Y	
0.472(c)			
	Parametric monitoring	¥	
0.473(c)			
-	Exemption from quarterly reports	¥	
0.473(d)			
4 0 CFR 63	National Emission Standards for Hazardous Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	¥	
	group determination		
63.646(b)(2)	Storage Vessel Provisions - Determine stored liquid % OHAP-	¥	
	method 18 to resolve disputes		
63.654(i)(1)	Reporting and Recordkeeping Requirements—Recordkeeping for	¥	
	storage vessels		
63.654(i)(1)	Reporting and Recordkeeping Requirements Recordkeeping for	¥	
(iv)	storage vessels		
63.654(i)(4)	Reporting and Recordkeeping Requirements Recordkeeping	¥	
	Record retention		
BAAQMD	A COURT AND A COUR		
Condition			
# 1240			
Part I.14	Facility Limits (Cumulative Increase)	¥	
1 d1t 1.1/1	racinty Limits (Cumulative mercuse)	Ť	

IV. Source Specific Applicable Requirements

Table IV AG **Source-specific Applicable Requirements** S65-ASPHALT STORAGE TANK

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥	
Part I.18e	Estimates of NMHC emissions from tanks (Cumulative Increase)	¥	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	¥	
Part II.48	Throughput Limit (Cumulative Increase, Offsets)	¥	
Part II.49	Prohibition against cutback asphalt (Toxics)	¥	
Part II.52	Vapor Pressure Limit (Cumulative Increase, Offsets, BACT)	¥	
Part II.53	Fugitive Emission Requirement (BACT, Cumulative Increase)	¥	
Part II.56	Control and Destruction Efficiency Requirements (Cumulative Increase, Offsets)	¥	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	¥	
art II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)	¥	

Table IV - AHTSource-specific Applicable Requirements **S66, OIL WATER SEPARATOR**

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater Collection and Separation Systems (9/15/04)		
Regulation 8,			
Rule 8			
8-8-114	Exemption, Bypassed Oil-Water Separator or Air Flotation Influent	Y	
8-8-301	Wastewater separators designed rated capacity greater than 760	Y	
	liters per day (200 gal/day) and smaller than 18.9 liters per second		
	(300 gal/min)		
8-8-301.3	An organic compound vapor recovery system with a combined	N	
	collection and destruction efficiency of at least 95 percent by		

IV. Source Specific Applicable Requirements

Table IV - AHT Source-specific Applicable Requirements S66, OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Kequifement	weight.	(1/14)	Date
8-8-303	Gauging and Sampling Devices	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	N	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-601	1		
	Wastewater Analysis for Critical OCs	Y	
8-8-602	Determination of Emissions	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8,	Wastewater (Oil-Water) Separators (8/29/1994)		
Rule 8			
8-8-301.3	An organic compound vapor recovery system with a combined collection and destruction efficiency of at least 95 percent by weight.	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-601	Wastewater Analysis for Critical Organic Compounds	¥	
8-8-602	Determination of Emissions	Y	
8-8-603	Inspection Procedures	Y	
40-CFR40	National Emission Standards for Benzene Waste Operations		
CFR, Part 61	(12/4/03)		
Subpart FF	Requirements for Uncontrolled Aqueous Waste Streams in 6BQ Facility		
61.340(a)	Applicability	Y	
61.341	<u>Definitions</u>	<u>Y</u>	
61.342	Standards: General	<u>Y</u>	
<u>61.342(b)</u>	Standards: General; Compliance for facilities with TAB >= 10 Mg/year	<u>Y</u>	
61.342(e)	Standards: General; Compliance option – Treat to 6 or 6BQ Option	<u>Y</u>	
61.342(e)(2)	Standards: General; Requirements for treating aqueous wastes (greater than 10% water) for compliance with 61.342(e) compliance option;	<u>Y</u>	
61.342(e)(2)(i)	Standards: General; [Uncontrolled] 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene (target benzene quantity (TBQ).	<u>Y</u>	
61.342(e)(2) (ii)	Standards: General; Determine 61.342(e)(2) benzene quantity in each uncontrolled aqueous waste stream per 61.355(k).	<u>Y</u>	

IV. Source Specific Applicable Requirements

Table IV - AHT Source-specific Applicable Requirements S66, OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.347(a)	Except as provided in 61.352 of this subpart, each oil-water	¥	
. ,	separator shall meet the following standards:		
61.347(a)(1)	Install, operate, and maintain a fixed-roof and closed vent system	¥	
	that routes all organic vapors vented from the oil-water separator to		
	a control device.		
61.347(a)(1) (i)(A)	Standards: Oil Water Separators	Y	
61.347(a)(1)	Standards: Oil-Water Separators; Fixed roof No openings	¥	
(i)(B)			
61.347(a)(1)	Closed-vent systems are subject to 61.349.	¥	
(ii)			
61.347(b)	Cover seals, access hatches, and other openings shall be checked	¥	
	visually initially and quarterly thereafter to ensure no cracks, gaps		
	occur between the cover and wall and that access hatches are closed		
	and gasketted properly.		
61.347(e)	except for delay or repair, when a broken seal or gasket or other	¥	
	problem is identified, or when detectable emissions are measured,		
	first efforts repairs shall be made AS SOON AS POSSIBLE, but		
	not later than 15 calendar days after identification		
61.349(a)	Standards: Closed-Vent Systems and Control Devices;	¥	
	Applicability		
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	¥	
	system requirements		
61.349(a)(1)	Standards: Closed-vent systems and Control Devices Closed vent	¥	
(i)	system-no detectable emission >/= 500 ppmv, annual inspection		
61.349(a)(1)	Car-sealed valves on bypass lines in closed-vent system	¥	
(ii)(B)			
61.349(a)(1)	Gauging/sampling devices are gas-tight	¥	
(iii)			
61.349(a)(1)	Safety valve provisions	¥	
(iv)			
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
	device requirements		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Enclosed	¥	

IV. Source Specific Applicable Requirements

Table IV - AHT Source-specific Applicable Requirements S66, OIL WATER SEPARATOR

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
(i)	combustion device requirements		
61.349(a)(2)	Controlled by enclosed combustion device with greater than 95%	¥	
(i)(A)	control efficiency.		
61.349(b)	Operated at all times.	¥	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
	Device Performance Demonstration		
61.349(c)(2)	Performance tests	¥	
61.349(e)	Administrator may request tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(c)	¥	
61.354(e)	Monitoring of Operations; Closed-vent systems and control	¥	
	devices - Continuously monitor control device operation		
61.354(c)(1)	Monitor thermal vapor incinerator temperature	¥	
61.354(c)(4)	Monitoring for a boiler or process heater having a design heat input	¥	
	capacity less than 44 MW		
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	¥	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	¥	
61.355(i)	Performance test procedures	¥	
61.356(f)	Recordkeeping Requirements: Closed vent system and control	¥	
	device per 61.349 retain for life of device		
61.356(f)(1)	Recordkeeping Requirements: certification of performance level	¥	
61.356(f)(3)	Requirements for performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: periods when closed vent system	¥	
	and control device are not operating		
61.356(j)(3) (i)	Recordkeeping Requirements; Bypass Line Controls	¥	
61.356(j)(4)	Recordkeeping Requirements: Control device operation Thermal	¥	

IV. Source Specific Applicable Requirements

Table IV - AHTSource-specific Applicable Requirements S66, OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(j)(6)	vapor incinerator Recordkeeping Requirements: Control device operation-process	¥	
	heater		
4 0 CFR 40	National Emission Standards for Hazardous Pollutants for		
CFR, Part 63	Petroleum Refining (6/23/03)		
Subpart CC	Requirements for Group 2 Wastewater Streams		
63.640(c)(3)	Wastewater steams associated with petroleum refining process units	Y	
63.641	<u>Definitions</u>	<u>Y</u>	
63.640(o)(1)	Overlap: Sources subject to National Emission Standards for Hazardous Air Pollutants (MACT) Subpart CC and NSPS Subpart QQQ are only required to comply with Subpart CC provisions	¥	
63.647(a)	Compliance with 40 CFR 61, Subpart FF, Sections 340 to 355	¥	
63.647(c)	Operation consistent with minimum or maximum permitted concentrations or operating parameter values	¥	
63.654(a)	Compliance with recordkeeping and reporting provisions in 40 CFR 61, Subpart FF, Sections 356 and 357	¥	
BAAQMD Condition #1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306, NSPS, cumulative increase, BACT, toxics)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40 CFR 61.354(e)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-414)	Y	

IV. Source Specific Applicable Requirements

Table IV - AHT**Source-specific Applicable Requirements** S66, OIL WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.83	Throughput limit (Cumulative Increase)	Y	
Part II.84	Vapor tightness of cover and access opening (Regulation 8-8)	Y	
Part II.85	Vapor recovery and control requirement for S66 (BACT,	¥	
	eumulative increase, contemporaneous emission reductions)		
Part II.86	Negative pressure and fugitive emission requirement for S66	¥	
	(BACT, cumulative increase, contemporaneous emission		
	reductions)		
Part II.84	Equipped with a gasketted, vapor tight cover (as defined in	<u>Y</u>	
	Regulation 8, Rule 8		
Part II.87	Monitoring and recordkeeping (Cumulative increase)	Y	
Part II.88	Monitoring and recordkeeping (Cumulative increase)	Y	
Part II.93	Contain Emissions in Closed Vent System (Cumulative Increase)	<u>Y</u>	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative	<u>Y</u>	
	Increase)		
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	

Table IV - AI **Source-specific Applicable Requirements S67-RECOVERED OIL TANK**

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Storage of Organic Liquids (11/27/02)		
Regulation 8,			
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	¥	
8-5-111.1	Notice to the APCO	¥	
8-5-111.2	Compliance before notification	¥	
8-5-111.4	Use of vapor recovery	¥	
8-5-111.5	Minimization of emissions	¥	
8-5-111.6	Written notice of completion not required	¥	
8-5-111.7	Compliance with Section 8-5-328	¥	

IV. Source Specific Applicable Requirements

Table IV - AI **Source-specific Applicable Requirements** S67-Recovered Oil Tank

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-112	Limited Exemption, Tanks in Operation	¥	
8-5-112.1	Notice to the APCO	¥	
8-5-112.2	Compliance and certification before commencement of work	¥	
8-5-112.3	No product movement; minimization of emissions	¥	
8-5-112.4	Exemption does not exceed 7 days	¥	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	¥	
8-5-303	Requirements for Pressure Vacuum Valve	¥	
8-5-306	Requirements for Approved Emission Control Systems	¥	
8-5-328	Tank Degassing Requirements	¥	
8-5-328.2	Tank degassing when ozone excess is predicted	¥	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	¥	
8-5-404	Certification	¥	
8-5-501	Records	¥	
8-5-501.1	Records of type and amount of liquids stored and true vapor pressures	¥	
8-5-503	Portable hydrocarbon detector	¥	
8-5-603	Determination of emissions	¥	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	¥	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	¥	
40 CFR 61	National Emission Standards for Benzene Waste Operations (12/4/03)		
Subpart FF 61.340(a)	Applicability: Chemical Manufacturing, Coke by product recovery, petroleum refineries	¥	
61.343(a)	Standards: Tanks; Benzene containing wastes	¥	
61.343(a)(1)	Standards: Tanks; Fixed Roof-with closed vent system	¥	
61.343(a)(1) (i)(B)	Standards: Tanks; Fixed Roof-No openings	¥	
61.343(a)(1) (ii)	Standards: Tanks; Closed-vent systems are subject to 61.349	¥	
61.343(c)	Standards: Tanks; Fixed roof quarterly inspection	¥	
61.343(d)	Standards: Tanks; Fixed roof repairs	¥	
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	¥	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent system requirements	¥	
61.349(a)(1)	Standards: Closed vent systems and Control Devices Closed vent	¥	
(i)	system-no detectable emission >/= 500 ppmv, annual inspection		

IV. Source Specific Applicable Requirements

Table IV - AI **Source-specific Applicable Requirements** S67-Recovered Oil Tank

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.349(a)(1) (ii)(B)	Car-sealed valves on bypass lines in closed-vent system	¥	
61.349(a)(1) (iii)	Gauging/sampling devices are gas-tight	¥	
61.349(a)(1) (iv)	Safety valve provisions	¥	
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control device requirements	¥	
61.349(a)(2) (i)	Standards: Closed-Vent Systems and Control Devices; Enclosed combustion device requirements	¥	
61.349(a)(2) (i)(A)	Controlled by enclosed combustion device with greater than 95% control efficiency.	¥	
61.349(b)	Operated at all times.	¥	
61.349(e)	Standards: Closed-Vent Systems and Control Devices; Control Device Performance Demonstration	¥	
61.349(c)(2)	Performance tests	¥	
61.349(e)	Administrator may request performance tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(e)	¥	
61.354(c)	Monitoring of Operations; Closed vent systems and control devices— Continuously monitor control device operation	¥	
61.354(e)(4)	Monitoring for a boiler or process heater having a design heat input capacity less than 44 MW	¥	
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	¥	
61.354(f)(1)	Visually inspect carseal/valve positions monthly	¥	
61.355(i)	Performance test procedures	¥	
61.356(a)	Recordkeeping and retention requirements	¥	
61.356(f)(3)	Requirements for performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: Control device operational upsets	¥	
61.356(j)(3) (i)	Recordkeeping Requirements; Bypass Line Controls	¥	

IV. Source Specific Applicable Requirements

Table IV - AI **Source-specific Applicable Requirements S67-Recovered Oil Tank**

Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
61.356(j)(4)	Recordkeeping Requirements: Control device operationThermal vapor incinerator	¥		
61.356(j)(6)	Recordkeeping Requirements: Control device operation- process heater	¥		
BAAQMD				
Condition				
# 1240				
Part I.14	Facility Limits (Cumulative Increase)	¥		
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	¥		
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	¥		
Part I.18e	Estimates of NMHC emissions from wastewater sources (Cumulative	¥		
	Increase)			
Part I.18j	Summary of emissions estimates and reports of non-compliance	¥		
	(Cumulative Increase)			
Part II.58b	Continuous Temperature Monitoring (40 CFR 60.113b(c)(1)(ii) and	¥		
	60.113b(c)(2); 40 CFR 60.473(c); 40 CFR 61.354(c)(1), 61.354(c)(4),			
	Regulation 2-6-409.2.2, 2-6-414)			

Table IV - AJU Source-specific Applicable Requirements **S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP**

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible Emissions		
Regulation 6.	(12/19/90 <u>12/5/2007</u>)		
Rule 1			
6- <u>1-</u> 303	Ringelmann #2 Limitation	<u>N</u> ¥	
6- <u>1-</u> 303.1	Standby sources of power	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - AJU Source-specific Applicable Requirements S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

Applicable Requirement Regulation Title or Description of Requirement Enforceable (Y/N) Effective Date SIP Regulation 6 Particulate Matter and Visible Emissions (9/4/1998)			Federally	Future
Requirement Description of Requirement (Y/N) Date Appraisal of Visible Emissions Particulate Matter and Visible Emissions (9/4/1998) Regulation 6 6-303 Ringelmann #2 Limitation Y 6-303.1 Standby sources of power Y 6-305 Visible Particles Y 6-306 Particulate Weight Limitation Y 6-307 Particulate Weight Limitation Y 6-308 Particulate Weight Limitation Y 6-309 Particulate Weight Limitation Y 6-401 Appearance of Emissions Y 6-601 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions BAAQMD - Regulation 9 Results 10 9-1-304 Fuel Burning (Liquid and Solid fuels) Nitrogen Oxides And Carbon Monoxide From Stationary Internal Regulation 9 Results 10 9-8-330 Emergency Standby Engines, Hours of Operation N 9-8-330 Emergency Standby Engi	Applicable	Regulation Title or	-	
Appraisal of Visible Emissions SIP Regulation 6 6-303 Ringelmann #2 Limitation		_		
SIP Regulation 6 C-303 Ringelmann #2 Limitation Y C-303.1 Standby sources of power Y C-303.1 Standby sources of power Y C-304.1 Standby sources of power Y C-305.1 Standby sources of power Y C-305.1 Particulate Weight Limitation Y C-301.1 Appearance of Emissions Y Appearance of Emissions Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations Y Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations P Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations P Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations P Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations P Appearance of Seasous Pollutants, Sulfur Dioxide Emissions Limitations P Appearance of Seasous Pollutants, Sulfur Dioxide Emissions P Appearance of Seasous Pollutants, Sulfur Dioxide Emissions P	-		, ,	
6-303 Ringelmann #2 Limitation Y 6-303.1 Standby sources of power 7 Standby sources of power 8 Y 6-305 Visible Particles 9 Y 6-305 Visible Particles 9 Y 6-306 Particulate Weight Limitation 9 Y 6-401 Appearance of Emissions 9 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions BAAQMD Appraisal of Visible Emissions BAAQMD Regulation 9 Rule 1 9 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95) Rule 1 9 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95) Regulation 9, Rule 9 9-8-330 Emergency Standby Engines, Hours of Operation N Pass-330.1 Emergency Standby Engines, Hours of Operation N Pass-330.2 Emergency Standby Engines, Hours of Operation N Pass-330.3 Emergency Standby Engines, Hours of Operation N Pass-330.1 Hours of operation (total) N Pass-330.2 Hours of operation (total) N Pass-330.3 Nature of emergency condition N ATCM for Stationary Compression Ignition Engines CCR. Title 17. Section 93115.3 Exemptions N Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements Pass of Greater than 50 (> bhp)	SIP			
6-303.1 Standby sources of power 6-305 Visible Particles 6-310 Particulate Weight Limitation 6-401 Appearance of Emissions 6-601 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions BAAQMD Regulation 9 Rule 1 9-1-304 Fuel Burning (Liquid and Solid fuels) BAAQMD Regulation 9 8-8-330 Emergency Standby Engines, Hours of Operation 9-8-330.1 Emergency Standby Engines, Hours of Operation 9-8-330.2 Emergency Standby Engines, Hours of Operation 9-8-530 Emergency Standby Engines, Hours of Operation 9-8-530.1 Hours of operation (total) Hours of operation (total) 9-8-530.2 Hours of operation (total) 10-8-530.3 Nature of emergency condition CCR, Title 17, Section 23115.3 Exemptions 93115.4 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 ⟨> bhp⟩ 1	Regulation 6			
6-305 Visible Particles 6-310 Particulate Weight Limitation 7 Particulate Weight Limitation 7 Particulate Weight Limitation 8 Particulate Weight Limitation 9 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 1 Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95) 8 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 1 Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95) 8 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 1 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 1 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 1 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 2 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 2 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 2 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 2 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 2 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 3 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 3 Particulate Matter, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 3 Particulate Matter, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 3 Particulate Matter, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 3 Particulate Matter, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions 3 Particulate Matter, Sampling Facilities,	<u>6-303</u>	Ringelmann #2 Limitation	<u>Y</u>	
6-310 Particulate Weight Limitation Y 6-401 Appearance of Emissions 6-601 Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions BAAQMD Regulation 9 Regulation 9 Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Morganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95) BAAQMD Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions BAAQMD Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Particulate Matter Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Particulate Particulate Norganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/95) Particulate Matter, Sampling Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Particulate	<u>6-303.1</u>	Standby sources of power	<u>Y</u>	
6-401 Appearance of Emissions 6-601 Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions BAAQMD - Regulation 9 Rule 1 9-1-304 Fuel Burning (Liquid and Solid fuels) BAAQMD - Regulation 9, Nitrogen Oxides And Carbon Monoxide From Stationary Internal Regulation 9, Rule 9 9-8-330 Emergency Standby Engines, Hours of Operation 9-8-330.1 Emergency Standby Engines, Hours of Operation 9-8-330.2 Emergency Standby Engines, Hours of Operation 9-8-330.3 Emergency Standby Engines, Hours of Operation 9-8-530.1 Hours of operation (total) 9-8-530.1 Hours of operation (total) 9-8-530.2 Hours of operation (total) 9-8-530.3 Nature of emergency condition OCCR, Title 17, Section 93115.3 Exemptions 93115.3 Department of the Company of Comp	<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
BAAQMD Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions Nature of emergency condition Nature	<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
Appraisal of Visible Emissions BAAQMD · Regulation 9 Rule 1 9-1-304 Fuel Burning (Liquid and Solid fuels) Part of the Bound of Emission Stationary Internal Segulation 9, Segulation 9, Segulation 9, Segulation Stationary Internal Combustion Engines (8/1/0107/25/2007) Rule 9 9-8-330 Emergency Standby Engines, Hours of Operation Pessado Standby Engines, Hours of Operation Pessado Standby Engines, Hours of Operation Pessado Standby Engines, Hours of Operation Nous Stationary Compression Ignition Engines Nous Stationary Compression Ignitio	<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
BAAQMD · Regulation 9 Rule 1 9-1-304 Fuel Burning (Liquid and Solid fuels) Page 1-304 Fuel Burning (Liquid and Solid fuels) Page 1-305 Fuel Burning (Liquid and Solid fuels) Page 1-306 Fuel Burning (Liquid and Solid fuels) Page 1-307 Fuel Burning (Liquid and Solid fuels) Page 1-308 Fuel Burning (Liquid and Solid fuels) Page 1-309 Fuel Burn	<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>Y</u>	
Regulation 9 Rule 1 9-1-304 Fuel Burning (Liquid and Solid fuels) Pell Burning (Liquid and Solid fuels) Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/04/07/25/2007) Rule 9 9-8-330 Emergency Standby Engines, Hours of Operation N 9-8-330.1 Emergency Standby Engines, Hours of Operation N 9-8-330.2 Emergency Standby Engines, Hours of Operation N 9-8-330.3 Emergency Standby Engines, Hours of Operation N 9-8-530 Emergency Standby Engines, Hours of Operation N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (total) N 9-8-530.3 Nature of emergency condition CCR, Title 17. Section 93115.3 Exemptions N 93115.3 Exemptions N 93115.3 Exemptions N 93115.3 Exemptions Puel and Fuel Additive Requirements Puel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
Rule 1 9-1-304 Fuel Burning (Liquid and Solid fuels) Y BAAQMD · Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/0107/25/2007) Rule 9 9-8-330 Emergency Standby Engines, Hours of Operation N 9-8-330.1 Emergency Standby Engines, Hours of Operation N 9-8-330.2 Emergency Standby Engines, Hours of Operation N 9-8-330.3 Emergency Standby Engines, Hours of Operation N 9-8-530.1 Emergency Standby Engines, Hours of Operation N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (total) N 9-8-530.3 Nature of emergency condition CCR, Title 17. Section 93115.3 Exemptions N 93115.3 Exemptions Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	BAAQMD ·			
Pull Burning (Liquid and Solid fuels) Y	_	(3/15/95)		
BAAQMD · Nitrogen Oxides And Carbon Monoxide From Stationary Internal Combustion Engines (8/1/0107/25/2007) Rule 9 9-8-330	Rule 1			
Regulation 9, Rule 9 9-8-330 Emergency Standby Engines, Hours of Operation N 9-8-330.1 Emergency Standby Engines, Hours of Operation N 9-8-330.2 Emergency Standby Engines, Hours of Operation N 9-8-330.3 Emergency Standby Engines, Hours of Operation N 9-8-330.3 Emergency Standby Engines, Hours of Operation N 9-8-330.1 Emergency Standby Engines, Hours of Operation N 9-8-530 Emergency Standby Engines, monitoring and recordkeeping N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (emergency) N 9-8-530.3 Nature of emergency condition N CCR, Title 17, Section 93115.3 Exemptions N 93115.3 Exemptions N 93115.3 Exemptions N 93115.4 Fuel and Fuel Additive Requirements For New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
Rule 9 Beargency Standby Engines, Hours of Operation N 9-8-330.1 Emergency Standby Engines, Hours of Operation N 9-8-330.2 Emergency Standby Engines, Hours of Operation N 9-8-330.3 Emergency Standby Engines, Hours of Operation N 9-8-530 Emergency Standby Engines, Hours of Operation N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (emergency) N 9-8-530.3 Nature of emergency condition N CCR, Title ATCM for Stationary Compression Ignition Engines 17, Section ATCM for Stationary Compression Ignition Engines 93115.3 Exemptions N 93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	_	•		
9-8-330 Emergency Standby Engines, Hours of Operation N 9-8-330.1 Emergency Standby Engines, Hours of Operation N 9-8-330.2 Emergency Standby Engines, Hours of Operation N 9-8-330.3 Emergency Standby Engines, Hours of Operation N 9-8-530 Emergency standby engines, monitoring and recordkeeping N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (emergency) N 9-8-530.3 Nature of emergency condition N CCR, Title 17, Section 17, Section 17, Section 17, Section 17, Section 18, Section 18, Section 19,		Combustion Engines (8/1/01 <u>07/25/2007</u>)		
9-8-330.1 Emergency Standby Engines, Hours of Operation 9-8-330.2 Emergency Standby Engines, Hours of Operation 9-8-330.3 Emergency Standby Engines, Hours of Operation 9-8-530 Emergency Standby Engines, Hours of Operation 9-8-530.1 Hours of operation (total) 9-8-530.2 Hours of operation (emergency) 9-8-530.3 Nature of emergency condition CCR, Title 17, Section 93115.3 Exemptions 93115.3 Exemptions N 93115.3 Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)		Emarganay Standby Engines Hours of Operation	N	
Section Parameter Parame		*	·	
9-8-330.3 Emergency Standby Engines, Hours of Operation N 1/1/2012 9-8-530 Emergency standby engines, monitoring and recordkeeping N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (emergency) N 9-8-530.3 Nature of emergency condition N CCR, Title ATCM for Stationary Compression Ignition Engines N 93115. Exemptions N 93115.3 Exemptions N 93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements N 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp) N				
9-8-530 Emergency standby engines, monitoring and recordkeeping N 9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (emergency) N 9-8-530.3 Nature of emergency condition N CCR, Title 17, Section 93115 93115.3 Exemptions N 93115.3 Exemptions N 93115.3 Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
9-8-530.1 Hours of operation (total) N 9-8-530.2 Hours of operation (emergency) N 9-8-530.3 Nature of emergency condition N CCR, Title 17, Section 23115 93115.3 Exemptions N 93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements N 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp) N				<u>1/1/2012</u>
9-8-530.2 Hours of operation (emergency) 9-8-530.3 Nature of emergency condition CCR, Title 17, Section 93115 93115.3 Exemptions Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
9-8-530.3 Nature of emergency condition CCR, Title 17, Section 93115 BEXEMPTIONS Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
CCR, Title ATCM for Stationary Compression Ignition Engines 17, Section 93115 93115.3 Exemptions N 93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements N 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
17, Section 93115			<u>N</u>	
93115.3 Exemptions N 93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements N 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp) N		A 1 CW 101 Stationary Compression Ignition Engines		
93115.3 Exemptions N 93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements N 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
93115.3(n) Operating limits in 93115.6(b)(3) do not apply to fire pumps driven by stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)		Exemptions	N	
stationary CI engines and are only operated the number of hours necessary to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
to comply with NFPA 25 testing requirements 93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)		1111	<u>-1</u>	
93115.5 Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)				
Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	93115.5		N	
	20110.0		21	
	93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - AJU Source-specific Applicable Requirements S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	CI engines	, ,	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD		_	
Condition			
#1240			
Part I.6	Prohibition against combustion of fuel oil or diesel fuel except at S68 (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative	Y	
D . 7.10	Increase)		
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative	Y	
D . 7.10	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
DA LONED	(Cumulative Increase)		
BAAQMD Condition			
#18796			
Part 1	Sulfur content of fuel (Cumulative Increase)	Y	
BAAQMD	Surface Content of face (Cumulative increase)	1	
Condition			
22851			
Part 1	Emergency standby engine operations ("Stationary Diesel Engine ATCM",	<u>Y</u>	
	CA Code of Regulations, Title 17, Section 93115.3(n))		
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330)	<u>Y</u>	
Part 3	Emergency standby engine non-resettable totalizing meter requirements	<u>Y</u>	
	(BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA		
	Code of Regulations, Title 17, Section 93115.10(e)(1))		
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530,	<u>Y</u>	
	2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations,		
	<u>Title 17, Section 93115.10(g))</u>		

IV. Source Specific Applicable Requirements

Table IV - AKV Source-specific Applicable Requirements S69-ASPHALT ADDITIVE LOADING BIN

Amuliankla	December 1741 on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirementsand Visible Emissions	(1/11)	Date
Regulation 6	(12/19/9012/5/2007)		
Rule 1	(2-12-17-0		
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> Y	
6- <u>1-</u> 311	General Operations	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> Y	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>N</u>	
	Appraisal of Visible Emissions		
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-311</u>	General Operations	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>Y</u>	
	Appraisal of Visible Emissions		
BAAQMD			
Condition #20278			
Part 2	Throughput limit (2-2-212, Cumulative Increase)	Y	
Part 4	Public nuisance (1-301)	N	
Part 6	Recordkeeping (2-6-501)	Y	
Part 7	Visible Emissions checks (2-6-409.2)	Y	

IV. Source Specific Applicable Requirements

Table IV - ALW Source-specific Applicable Requirements S70-ASPHALT ADDITIVE MIXING TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible Emissions		
Regulation 6.	(12/19/90 12/5/2007)		
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>N</u>	
	Appraisal of Visible Emissions		
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-311</u>	General Operations	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>Y</u>	
	Appraisal of Visible Emissions		
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,			
Rule 5			
8-5-117	<u>Limited Exemption, Low Vapor Pressure</u>	<u>N</u>	
SIP	Organic Compounds, Storage of Organic Liquids (06/05/200311/27/02)		
BAAQMD			
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD	Organic Compounds, Emulsified and Liquid Asphalts (6/1/94)		
Regulation 8,			
Rule 15			
8-15-305	Prohibition of Manufacture and Sale	Y	
8-15-501	Records	Y	
BAAQMD	New Source Performance Standards		

IV. Source Specific Applicable Requirements

Table IV - ALWSource-specific Applicable Requirements S70-ASPHALT ADDITIVE MIXING TANK

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation	Incorporation by Reference (2/16/00)		
<u>10</u>			
10-51	40 CFR40 CFR, Part 60 Subpart UU	<u>Y</u>	
40-CFR40	Standards of Performance for Asphalt Processing and Asphalt		
CFR, Part 60	Roofing Manufacture (10/17/00)		
Subpart UU			
60.470(a)	Applicability and designation of affected facilities; asphalt storage tanks	<u>Y</u>	
60.470(b)	Applicability and designation of affected facilities; asphalt storage tanks	<u>Y</u>	
60.472(c)	Asphalt storage tank o Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine	<u>Y</u>	
	<u>opacity</u>		
BAAQMD			
Condition			
#1240			
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18c	Estimates of NMHC emissions from tanks (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
	(Cumulative Increase)		
Part II.32a	Control and Destruction Efficiency Requirement (Regulation 8-5-306,	<u>Y</u>	
	NSPS, cumulative increase, BACT, toxics)		
Part II.49	Prohibition against cutback asphalt (Toxics)	Y	
Part II.50	Vapor Pressure Limit (Cumulative Increase, Offsets)	Y	
Part II.55	Control and Destruction Efficiency Requirements (Cumulative	¥	
	Increase, Offsets)	<u> </u>	
Part II.58	Recordkeeping Requirement (Cumulative Increase)	Y	
Part II.58b	Continuous Temperature Monitoring (40 CFR, Part	Y	
	60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c); 40		
	CFR 61.354(c)(1), 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)		
Part II.94	Contain Emissions in Closed Vent System (Cumulative Increase)	Y	
Part II.95	Closed Vent System Recordkeeping Requirements (Cumulative Increase)	<u>Y</u>	

Facility Name: Valero Benicia Asphalt Plant

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - ALW Source-specific Applicable Requirements S70-ASPHALT ADDITIVE MIXING TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.96	Closed Vent System P/V Valve VOC limit (Cumulative Increase)	<u>Y</u>	Dute
BAAQMD Condition			
#20278			
Part 1	Throughput limit (2-2-212, Cumulative Increase)	Y	
Part 3	Control requirement (2-2-212, Cumulative Increase)	¥	
Part 4	Public nuisance (1-301)	N	
Part 6	Recordkeeping (2-6-501)	Y	

Table IV- <u>AMX0</u> Fugitive Sources: Applicable Requirements

(This table is a cross-reference between the asphalt plant equipment and the various fugitive applicable requirements. The actual requirements are in the next table.)

			NSPS Part			
			60,			
			Subpart			
			QQQ;	NSPS Part		
			BAAQMD	60,		
			Regulation	Subpart		
			10-69	VV;		NESHAP
			40 CFR40	BAAQMD	NESHAP	Part 63,
			CFR, Part	Regulation	Part 61,	40-CFR40
			60 Subparts	10-52	Subpart FF;	CFR, Part 63
			GGG/VV	40 CFR40	BAAQMD	Subpart CC:
	BAAQMD	BAAQMD	BAAQMD	CFR, Part	Regulation	40-CFR40
	<u>& SIP</u>	& SIP	Regulations	60 Subparts	11, Rule 12	CFR, Part 60
	Regulation	Regulation	10-59/10-52	GGGa/VVa	Note 2	Subpart VV
Process Unit	8, Rule 18	8, Rule 28	Note 7	Note 8	Note 3	Note 1
S1, S2, S4, and S23 Crude	X	X				
Tankage receipt piping. (4)						
S1, S2, S4, and S23 Crude	X	X		X(1)		X <u>(1)</u>

IV. Source Specific Applicable Requirements

Table IV- <u>AMX0</u> Fugitive Sources: Applicable Requirements

(This table is a cross-reference between the asphalt plant equipment and the various fugitive applicable requirements. The actual requirements are in the next table.)

	Process Unit Tankage feed piping to S18	BAAQMD & SIP Regulation 8, Rule 18	BAAQMD & SIP Regulation 8, Rule 28	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	NESHAP Part 63, 40 CFR 40 CFR, Part 63 Subpart CC; 40 CFR 40 CFR, Part 60 Subpart VV Note 1
	Crude Unit. (4) Wastewater Treatment Plant. (Note 2) \$12, \$25, \$28, Wastewater sources, \$41 WEMCO Hydrocleaner, \$66 Oil-Water Separator (Note 4), Recovered Oil Equipment, \$27 & \$67, Recovered Oil Tanks and associated closed vent systems and Closed Vent Systems at Wastewater Treatment Plant.	X	×	X (3)		X (2)	<u>X (1,2)</u>
- -	S9 Naphtha Tank fill line and naphtha transfer line from S9 to Refinery S14 Naphtha Loading Rack, including vapor recovery system and fill line from S9 Naphtha Tank. S15, Loading Racks - Gas Oil S16, Truck Loading Rack -	X X X	* * *			<u>X (3)</u>	<u>X (1)</u>

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV- <u>AMX0</u> Fugitive Sources: Applicable Requirements

(This table is a cross-reference between the asphalt plant equipment and the various fugitive applicable requirements. The actual requirements are in the next table.)

Process Unit Heavy Vacuum Gas Oil S17, Loading Racks – Asphalt S18 Crude Unit, including Atmospheric Tower (T-1), KD stripped tower (T-2), crude charge circuit, overhead off-gas system, caustic scrubbers (delete upon startup of atmosshperic PRD removal project), and excluding vacuum tower (T-3) and booster compressor (booster	BAAQMD & SIP Regulation 8, Rule 18 X X	BAAQMD & SIP Regulation 8, Rule 28 X X	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52 Note 7	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa Note 8	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2 Note 3	NESHAP Part 63, 40 CFR 40 CFR, Part 63 Subpart CC; 40 CFR 40 CFR, Part 60 Subpart VV Note 1
and booster compressor (booster compressor exclusion only applies upon startup of atmospheric PRD removal						
project). S18 Vacuum Tower (T-32) overhead gas system	X	X				<u>X (1)</u>
S18 Booster Compressor (upon startup of atmospheric PRD removal project)	X		X	X		
S31, Rail Car Asphalt Loading	X					

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV- AMX0

Fugitive Sources: Applicable Requirements

(This table is a cross-reference between the asphalt plant equipment and the various fugitive applicable requirements. The actual requirements are in the next table.)

	BAAQMD & SIP Regulation	BAAQMD & SIP Regulation	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10-69 40-CFR40 CFR, Part 60 Subparts GGG/VV BAAQMD Regulations 10-59/10-52	NSPS Part 60, Subpart VV; BAAQMD Regulation 10-52 40-CFR40 CFR, Part 60 Subparts GGGa/VVa	NESHAP Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12 Note 2	NESHAP Part 63, 40 CFR 40 CFR, Part 63 Subpart CC; 40 CFR 40 CFR, Part 60 Subpart VV
Process Unit	8, Rule 18	8, Rule 28	Note 7	Note 8	Note 3	Note 1
Rack						
S54, Asphalt Loading Rack	X					
Fuel gas system, including natural	X	X				<u>Exempt</u>
gas piping.						
All Other Piping, including	X	X				<u>X (1)</u>
natural gas piping						

Notes:

(3) The naphtha stream generated at the Asphalt Plant and transferred by pipeline to the Refinery (B2626) is a benzene waste subject to 40 CFR40 CFR, Part 61 Subpart FF. It complies with the provisions of 61.342(e)(1) for controlled non-aqueous wastes. Tank 4607 (S9), the tank fill line, and the transfer line from the tank to the Refinery are all subject to 40 CFR40 CFR, Part 61 Subpart FF. S9 complies with the requirements of 61.351 for internal floating roof tanks. The fill and transfer lines are individual drain systems subject to 61.346(b)(3).

(4) S66, Oil Water Separator was installed after the effective date of 40 CFR40 CFR, Part 60 Subpart QQQ, but was not a new source at the time it was installed. The OWS was purchased from Pacific Refining Company and was previously located at that company's refinery in Rodeo, CA that has since been shut down and dismantled. Valero's records show that the work done to the source at the time of its acquisition and installation did not meet the criteria for modification under NSPS (40 CFR40 CFR, Part 60 Subpart A; 60.14). In addition, in accordance with 40 CFR40 CFR, Part 60 Subpart A; 60.14(e)(6) - the relocation or change in ownership of an existing facility is not by itself considered to be a modification. Therefore, because S66 was not newly constructed, reconstructed, or modified as defined in 40 CFR40 CFR, Part 60 Subpart A when it was installed at the Asphalt Plant, it is not subject to 40 CFR40 CFR, Part 60 Subpart QQQ.

_(3) Per 40 CFR Part 63 Section 63.640 (o)(1), the wastewater oil water separator (S66), which is also subject to 40 CFR Part 60 Subpart QQQ, shall comply only with the wastewater provisions of 40 CFR Part 63 Subpart CC (Part 61 Subpart FF).

(45) Sources S1, S2, S4, and S23 Crude Storage Tanks are part of Facility B5574. Piping is part of facility A0901 as shown in Table IV-AM.

(56) Sources subject to BAAQMD Regulation 8-18 and 8-28 are also subject to any applicable requirements of SIP BAAQMD Regulation 8-18

⁽¹⁾ Fugitive components which that are subject to the equipment leak standards of 40 CFR40 CFR, Part Part 63 Subpart CC shall must comply with the equipment leak standards set forth in 40 CFR40 CFR, Part Part 60 Subpart VV.

⁽²⁾ The benzene waste streams generated at the Asphalt Plant and routed to the Wastewater Tereatment Pplant equipment. Equipment via the API sewer are which is subject to 40 CFR Part 63 Subpart CC and comply shall comply with the provisions of 40 CFR Part 61 Subpart FF in 61.342(e)(2) for uncontrolled aqueous wastes. The Wastewater Treatment Plant Equipment is not subject to the control standards for 40 CFR Part 61 Subpart FF waste management units.

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

and 8 28 when the SIP and BAAQMD versions of these two rules this rule are not the same.

(7) Fugitive components that are subject to the equipment leak standards of 40 CFR, Part 60 Subpart GGG must comply with the equipment leak standards set forth in 40 CFR40 CFR, Part 60 Subpart VV.

(8) Fugitive components that are subject to the equipment leak standards of 40 CFR40 CFR, Part 60 Subpart GGGa must comply with the equipment leak standards set forth in 40 CFR40 CFR, Part 60 Subpart VVa.

Table IV – <u>ANX1</u> Applicable Requirements COMPONENTS

			Feder	•	Future
Applicable	Regulation Title or		Enforce		Effective
Requirement	Description of Requirement		(Y/N	N)	Date
BAAQMD	Organic Compounds-Equipment Leaks (9/5/ <u>20</u> 04)				
Regulation 8, Rule 18					
			3.1		
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices		N		
8-18-113	Limited Exemption, Initial Boiling Point		Y		
8-18-115	Limited Exemption, Storage Tanks		Y		
8-18-116	Limited Exemption, Vacuum Service		Y		
8-18-301	General Standard		Y		
8-18-302	Valves		N		
8-18-303	Pumps and compressors		N		
8-18-304	Connections		N		,
8-18-304.1	Connection leak discovered by Valero		¥		
8-18-304.2	Connections subject to District approved inspection program		N		
8-18-304.3	Connections subject to 8-18-306	;	N		
8-18-305	Pressure relief devices		Y		
8-18-306	Non-repairable equipment		N		
8-18-306.1	Repair at next scheduled turnaround or five years		N		
8-18-306.2	Percentage of equipment awaiting repair		N		
8-18-306.3	Non-repairable connections count as two valves		N		
8-18-306.4	Requirements for valves with major leaks (>=10,000 ppm)		N		
8-18-307	Liquid Leaks		Y		
<u>8-18-308</u>	Alternate compliance		<u>Y</u>		
8-18-401	Inspection		N		
8-18-402	Identification		Y		
8-18-403	Visual inspection schedule	j	Y		
8-18-404	Alternate inspection schedule		Y		
8-18-501	Portable Hydrocarbon Detector		Y		
8-18-502	Records		N		

IV. Source Specific Applicable Requirements

COMPONENTS

		Fede	-	Future
Applicable	Regulation Title or	Enfor		Effective
Requirement	Description of Requirement	(Y/	·	Date
8-18-503	Reports	N		
8-18-601	Analysis of Samples		7	
8-18-602	Inspection Procedure		7	
8-18-603	Determination of Control Efficiency	N	1	
8-18-604	Determination of Mass Emissions	N	1	
SIP Regulation 8,	Organic Compounds-Equipment Leaks (6/5/2003)			
Rule 18				
8-18-110	Exemption, Controlled Seal Systems and Pressure Relief Devices	Ŋ	<i>I</i>	
8-18-302	Valves	Y	I	
8-18-303	Pumps and compressors	Ŋ	ľ	
8-18-304	Connections	Ŋ	<i>I</i>	
8-18-304.2	Connections subject to District-approved inspection program	Ŋ	I	
8-18-306	Non-repairable equipment	Y	<i>l</i>	
8-18-306.1	Repair at next scheduled turnaround or five years	Y	<i>I</i>	
8-18-306.2	Percentage of equipment awaiting repair	Ŋ	I	
8-18-401	Inspection	Ŋ	I	
8-18-502	Records	Ŋ	I	
8-18-603	Determination of Control Efficiency	Ŋ	I	
8-18-604	Determination of Mass Emissions	7	<i>I</i>	
Regulation 8,	Episodic Releases From Pressure Relief Devices at Petroleum			
Rule 28	Refineries and Chemical Plants (12/21/05)			
8-28-111	Exemption, Evaporation Point	N		
8-28-112	Exemption, Storage Tanks	¥		
8-28-115	Exemption, Thermal Relief Valves	N		
8-28-303	Existing Pressure Relief Devices at Petroleum Refineries	N		
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum	N		
	Refineries			
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	N		
8-28-402	Inspection	N		
8-28-404	Identification	N		
8-28-405	Process Safety Requirements	N		
8-28-405.1	Establish training, equipment, inspection, maintenance and	N		
	monitoring requirement			
8-28-405.2	Implement at least 3 redundant Prevention Measures using a	N	7/1/()7

IV. Source Specific Applicable Requirements

$Table\ IV- \underline{AN}\underline{X1}$ **Applicable Requirements COMPONENTS**

Applicable	Regulation Title or		Federally Enforceable		Future Effective
Requirement	Description of Requirement		(Y /I	N)	Date
	Process Hazards Analysis				
8-28-405.3	The Process Safety Requirments must be approved and signed	1	4		
8-28-405.4	The Process Safety Requirments must be submitted for review to the APCO				
8-28-406	Monitoring System Demonstration Report	1		6/1/	07
8-28-407	Process Unit Identification Report		\	9, 2,	-
8-28-502	Records		1		
8-28-503	Monitoring	1	1		
8-28-602	Determination of Control Efficiency	1	V		
SIP BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum				
Regulation 8,	Refineries and Chemical Plnts (5/24/04)				
Rule 28					
8-28-111	Exemption, Evaporation Point	2	¥		
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum	2	¥		
	Refineries				
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum	2	¥		
	Refineries				
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	2	¥		
8-28-402	Inspection	2	¥		
8-28-403	Records	2	¥		
8-28-404	Identification	2	¥		
8-28-405	Prevention Measures Procedures	2	¥		
8-28-602	Determination of Control Efficiency	3	¥		
BAAQMD	New Source Performance Standards				
Regulation 10	Incorporation by Reference (2/16/00XXXXX)				
<u>10-52</u>	40 CFR, Part 60 Subpart VV		<u>Y</u>		
<u>10-59</u>	40 CFR, Part 60 Subpart GGG		<u>Y</u>		
4 0 CFR 40 CFR,	Standards of Performance for Equipment Leaks (Fugitive				
Part 60 Subpart	Emission Sources) (12/14/00)				
VV ; BAAQMD	Applicability determined by 40 CFR40 CFR, Part 60 Subpart				
Regulation 10-52	GGG and 40 CFR40 CFR, Part 63 Subpart CC;				
	BAAQMD Standards of Performance for New Stationary Sou (12/20/95)	rees			
60.480	Applicability and Designation of Affected Facility		¥		

IV. Source Specific Applicable Requirements

$\begin{array}{c} Table~IV-\frac{ANX1}{}\\ Applicable~Requirements \end{array}$ **COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-1	General-Standards: General	Y	
60.482-2	Pump Standards: Pumps in light liquid service	Y	
60.482-3	Compressor-Standards: Compressor	Y	
60.482-4	Requirements for Standards: Pressure rRelief Ddevices in gas/vapor service	Y	
60.482-5	Requirements for Standards: Sampling connecting systems	Y	
60.482-6	Requirements for Standards: Open-ended valves or lines	Y	
60.482-7	<u>Standards</u> : Valves <u>Standards</u> in gas/vapor service and in light liquid service:	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, them-then monitor first month of each quarter ly. If leak >10,000 ppm is detected, resume monthly monitoring	Y	
60.482-7(h)	Exemption for valves designated difficult to monitor – must be monitoring annually	<u>Y</u>	
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7(f)	Designated no-emissions (< 500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator	Y	
60.482-7(h)	Exemption for valves designated difficult to monitor – must be monitored annually	Y	
60.482-8	Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors Pumps & Valyues in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors	Y	
60.482-9	Standards: Delay of repairs	<u>Y</u>	
60.482-9(a)	Delay of repairs	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9(d)	Delay of repairs for pumps	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-9(f)	Leaking pumps or valves in service during delay of repair are considered repaired and no longer subject to delay of repair	<u>Y</u>	

IV. Source Specific Applicable Requirements

$Table\ IV- \underline{AN}\underline{X1}$ **Applicable Requirements COMPONENTS**

Requirement Description of Requirement requirements if two consecutive monthly monitoring less than the leadefinition. Requirements for closed-vent systems and		(Y/N)	
60.482-10 Requirements for closed-vent systems and			
control devices			
60.483-1 Alternative standards for valves-allowable percentage of valves leaking		Y	
60.483-2 Alternative standards for valves-skip period leak detection and repar	ir	Y	
60.484 Equivalence of means of emission limitation		<u>Y</u>	
60.485 Test Methods and Procedures		Y	
60.486 Record keeping		Y	
60.487 Reporting Requirements		Y	_
40 CFR40 CFR. Standards of Performance for Equipment Leaks (Fugitive			
Part 60 Subpart Emission Sources) (12/14/00)			
<u>VVa</u> <u>Applicability determined by 40 CFR, Part 60 Subpart</u>			
GGG a			
60.482-1a General Standards		<u>Y</u>	
60.482-2a Pump Standards:		<u>Y</u>	
60.482-3a Compressor Standards		<u>Y</u>	
60.482-4a Requirements for Pressure Relief Devices in gas/vapor service		<u>Y</u>	
60.482-5a Requirements for Sampling connecting systems		<u>Y</u>	
60.482-6a Requirements for Open-ended valves or lines		<u>Y</u>	
60.482-7a Valve Standards:		<u>Y</u>	
60.482-7a(a)-(c) Monitor monthly unless 2 successive months <10,000 ppm, then monitor first month of each quarter. If leak >10,000 ppm is detected resume monthly monitoring	<u>d.</u>	Y	
60.482-7a(e) Methods for first attempts or minimizing valve leaks		<u>Y</u>	
60.482-7a(f) Designated no-emissions (< 500 ppm) valves with no external actuating mechanisms in contact with process fluid, may revert to annual monitoring, or that requested by the Administrator		<u>Y</u>	
60.482-8a Standards: Pumps & Valves in Heavy Liquid Service, Pressure Reli Devices in Light Liquid or Heavy Liquid Service, and Flanges & Other Connectors	<u>ef</u>	<u>Y</u>	
60.482-9a(a) Delay of repairs		<u>Y</u>	
60.482-9a(b) Repair may be delayed for isolated equipment		<u>Y</u>	

IV. Source Specific Applicable Requirements

COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-9a(c)	Delay of repair for valves is only allowed under certain circumstances	<u>Y</u>	
60.482-9a(d)	Delay of repairs for pumps	<u>Y</u>	
60.482-9a(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	<u>Y</u>	
60.482-9a(d)(2)	Pump leaks must be repaired within 6 months	<u>Y</u>	
60.482-10a	Requirements for closed-vent systems and control devices	<u>Y</u>	
<u>60.483-1a</u>	Alternative standards for valves-allowable percentage of valves leaking	<u>Y</u>	
<u>60.483-2a</u>	Alternative standards for valves-skip period leak detection and repair	<u>Y</u>	
<u>60.485a</u>	Test Methods and Procedures	<u>Y</u>	
<u>60.486a</u>	Record keeping	<u>Y</u>	
<u>60.487a</u>	Reporting	<u>Y</u>	
40 CFR40 CFR,	Standards of Performance for Equipment Leaks at Petroleum		
Part 60 Subpart	Refineries After January 4, 1983 and on or before November 7,		
<u>GGG</u>	2006 (6/2/2008)		
60.590	Applicability and désignation of affected facility	<u>Y</u>	
60.590(a)(1)	Applicability: Affected facilities in petroleum refineries	<u>Y</u>	
60.590(a)(2)	Applicability: A compressor is an affected facility	<u>Y</u>	
60 590(a)(3)	Applicability: Group of all equpment (60.591 definition) within a procès unit is an affected facility	<u>Y</u>	
60.590(b)	Applicability: Dates of construction, reconstruction, and modification	<u>Y</u>	
60.590(c)	Applicability: Limitation of modifications	<u>Y</u>	
<u>60.590(e)</u>	Stay of standards [procèss unit définition in 60.591] and effective définition of procèss unit	<u>Y</u>	
60.591	<u>Definitions</u>	<u>Y</u>	
60.592	<u>Standards</u>	<u>Y</u>	
60.592(a)	Comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.482-1 through 60.482-10 no later than 180 days after initial startup of affected facility	<u>Y</u>	
60.592(b)	Alternatives to 40 CFR40 CFR, Part 60 Subpart VV; 60.482-7 (valve standards)	<u>Y</u>	
60.592(b)(1)	OPTION 1 : May elect to comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.483-1	<u>Y</u>	
60.592(b)(2)	OPTION 2: May elect to comply with 40 CFR40 CFR, Part 60	<u>Y</u>	

IV. Source Specific Applicable Requirements

$Table\ IV- \underline{AN}\underline{X1}$ **Applicable Requirements COMPONENTS**

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	<u>Subpart VV, 60.483-2</u>		
60.592(c)	Equivalency application	<u>Y</u>	
60.592(d)	Comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.485 except as	<u>Y</u>	
	provided in 60.593		
60.592(e)	Comply with 40 CFR40 CFR, Part 60 Subpart VV, 60.486 and 60.487	<u>Y</u>	
60.593	Exceptions	<u>Y</u>	
60.593(a)	Allowable exceptions to 40 CFR40 CFR, Part 60 Subpart VV	<u>Y</u>	
60.593(b)(1)	Exception for compressors in hydrogen service	<u>Y</u>	
60.593(b)(2)	Compressors in hydrogen service - Determination requirements	<u>Y</u>	
60.593(b)(3)(i)	<u>Compressors in hydrogen service – Engineering judgement. Method</u> <u>for dispute résolution</u>	<u>Y</u>	
60.593(b)(3)(ii)	Compressors in hydrogen service – procédure for modifying service détermination	<u>Y</u>	
60.593(c)	Allowable exceptions for existing reciprocating compressors	<u>Y</u>	
60.593(d)	Allowable methods for determining ligut liquid service	<u>Y</u>	
60.593(f)	Exceptions for open-ended valves or lines containing asphalt	<u>Y</u>	
40 CFR40 CFR,	Standards of Performance for Equipment Leaks at Petroleum		
Part 60 Subpart	Refineries After November 7, 2006 (6/2/2008)		
GGGa		37	
60.590a	Applicability and désignation of affected facility	<u>Y</u>	
60.590a(a)(1)	Applicability: Affected facilities in petroleum refineries	<u>Y</u>	
60.590a(a)(2)	Applicability: A compressor is an affected facility	<u>Y</u>	
60 590a(a)(3)	Applicability: Group of all equpment (60.591 definition) within a procès unit is an affected facility	Y	
60.590a(b)	Applicability: Dates of construction, reconstruction, and modification	<u>Y</u>	
60.590a(c)	Applicability: Limitation of modifications	<u>Y</u>	
60.590a(e)	Stay of standards [procèss unit définition in 60.591] and effective définition of procèss unit	Y	
<u>60.591a</u>	Definitions Definitions	<u>Y</u>	
60.592a	<u>Standards</u>	<u>Y</u>	
60.592a(a)	Comply with 40 CFR40 CFR, Part 60 Subpart VVa, 60.482-1a through 60.482-10a no later than 180 days after initial startup of affected facility	<u>Y</u>	
60.592a(b)	Alternatives to 40 CFR40 CFR, Part 60 Subpart VVa; 60.482-7a	<u>Y</u>	

IV. Source Specific Applicable Requirements

$\begin{array}{c} Table~IV-\frac{ANX1}{}\\ Applicable~Requirements \end{array}$ **COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(valve standards)		
60.592a(b)(1)	OPTION 1 : May elect to comply with 40 CFR40 CFR, Part 60 Subpart VVa, 60.483-1a	<u>Y</u>	
60.592a(b)(2)	OPTION 2 : May elect to comply with 40 CFR40 CFR, Part 60 Subpart VVa, 60.483-2a	<u>Y</u>	
60.592a(c)	Equivalency application	<u>Y</u>	
60.592a(d)	Comply with 40 CFR40 CFR, Part 60 Subpart VVa, 60.485a except as provided in 60.593	<u>Y</u>	
60.592a(e)	Comply with 40 CFR40 CFR, Part 60 Subpart VVa, 60.486a and 60.487a	<u>Y</u>	
60.593a	Exceptions	<u>Y</u>	
60.593a(a)	Allowable exceptions to 40 CFR40 CFR, Part 60 Subpart VVa	<u>Y</u>	
60.593a(b)(1)	Exception for compressors in hydrogen service	<u>Y</u>	
60.593a(b)(2)	Compressors in hydrogen service - Determination requirements	<u>Y</u>	
60.593a(b)(3)(i)	Compressors in hydrogen service – Engineering judgement. Method for dispute résolution	<u>Y</u>	
60.593a(b)(3)(ii)	Compressors in hydrogen service – procédure for modifying service détermination	<u>Y</u>	
60.593a(c)	Allowable exceptions for existing reciprocating compressors	<u>Y</u>	
60.593a(d)	Allowable methods for determining ligut liquid service	<u>Y</u>	
60.593a(f)	Exceptions for open-ended valves or lines containing asphalt	<u>Y</u>	
60.593a(g)	Exceptions for connectors in gas/vapor or light liquid service	<u>Y</u>	
40 CFR40 CFR,	NESHAP, Benzene Waste Operations (12/4/03)		
Part 61 Subpart FF	Requirements for Equipment Leaks		
61.343(a)(1)	Standards: Tanks; Fixed Roof Fugitive emissions less than 500	¥	
(i)(A)	ppmv		
61.345(a)(1)	Standards: Containers—, Covers and Openings, no detectable	Y	
(i)	emissions (< 500 ppmv); annual inspection		
61.345(b)	Standards: Containers, Covers and Openings, quarterly visible inspection for leaks	<u>Y</u>	
61.345(c)	Standards: Containers, Covers and Openings, repair requirements if detectable emissions measured or leak detected	<u>Y</u>	
61.347(a)(1)	Standards: Oil Water Separators, cover and openings, no detectable	Y	

IV. Source Specific Applicable Requirements

$Table\ IV- \underline{AN}\underline{X1}$ **Applicable Requirements COMPONENTS**

Applicable Requirement	Regulation Title or Description of Requirement	Enfor	Federally Enforceable (Y/N)	
(i)(A)	emissions (< 500 ppmv); annual inspection		i	
61.349(a)(1)(i)	Standards: Closed-vent systems and Control Devices — Closed vent system-no detectable emission >/= 500 ppmv, annual inspection	¥		
61.349(f)	Visually inspect for leaks quarterly	¥		
<u>61.350</u>	Delay of repair	<u>7</u>	<u> </u>	
61.355(h)	Compliance Test methods for no detectible detectable emissions	Υ	I	
61.356(h)	Records of tests for no detectable emissions	Y	I	
61.357(d)(8)	Reports of inspections where detectable emissions measured	7	<u> </u>	
BAAQMD Regulation 10- 52	Incorporates by reference 40 CFR 60 Subpart VV	N		
4 0 CFR 40 CFR,	National Emission Standards for Hazardous Air Pollutants from	n		
<u>Part</u> 63	Petroleum Refineries (6/23/03)			
Subpart CC				
63.640(a)	Applicability	Y	<i>I</i>	
63.640(p)	Overlap of subpart CC with other regulations for equipment leaks.	Y	<i>Y</i>	
63.642(e)	Keep records for 5 years	Y	I	
63.648(a)	Equipment Leak StandardsExisting source comply with 40 CFR 41 CFR, Part 60 Subpart VV. and 63.648(b). New source comply with 40 CFR 63 Subpart H		<i>T</i>	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less stringent monitoring frequency	¥		
63.648(g)	Equipment Leak Standards—Exemption – certain reciprocating pumps	7	<u>.</u>	
63.648(h)	Equipment Leak Standards—Record retention; 5 years	<u> </u>	<u> </u>	
63.648(i)	Equipment Leak Standards—Exemption – certain reciprocating compressors	7	<u> </u>	
63.654(d)	Recordkeeping and reporting – Equipment leaks	Y	<i>I</i>	
BAAQMD				
Condition #1240				
Part I.14	Facility Limits (cumulative increase)	Ŋ	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	Z .	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	7	<i>Y</i>	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV – <u>ANX1</u> Applicable Requirements COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Feder Enforc	eable	Effe	ture ective ate
Part I.18b	Fugitive NMHC Emission Calculations (cumulative increase)	V	1)	D	aic
Part I.18j	Summary of Emissions Estimates (cumulative increase)	Y			
Part II.32d	Fugitive emissions at vapor recovery equipment for S63 (BACT)	¥			
Part II.53	Fugitive emissions at vapor recovery equipment for S65 (BACT)	¥			
Part II.86	Fugitive emissions at vapor recovery equipment for S66 (BACT)	¥			

<u>Table IV – X2</u>
<u>Applicable Requirements</u>
PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum		
Regulation 8,	Refineries and Chemical Plants (12/21/2005)		
<u>Rule 28</u>			
<u>8-28-111</u>	Exemption, Evaporation Point	<u>N</u>	
<u>8-28-112</u>	Exemption, Storage Tanks	<u>Y</u>	
<u>8-28-115</u>	Exemption, Thermal Relief Valves	<u>N</u>	
<u>8-28-303</u>	Existing Pressure Relief Devices at Petroleum Refineries	<u>N</u>	
<u>8-28-304</u>	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	<u>N</u>	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	<u>N</u>	
<u>8-28-402</u>	Inspection	<u>N</u>	
8-28-404	<u>Identification</u>	<u>N</u>	
<u>8-28-405</u>	Process Safety Requirements	<u>N</u>	
<u>8-28-405.1</u>	Establish training, equipment, inspection, maintenance and monitoring requirement	<u>N</u>	
8-28-405.2	Implement at least 3 redundant Prevention Measures using a Process Hazards Analysis	<u>N</u>	
8-28-405.3	The Process Safety Requirments must be approved and signed	<u>N</u>	
8-28-405.4	The Process Safety Requirments must be submitted for review to the APCO		
<u>8-28-502</u>	Records	<u>N</u>	
<u>8-28-503</u>	Monitoring	<u>N</u>	
<u>8-28-602</u>	<u>Determination of Control Efficiency</u>	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV – X2 **Applicable Requirements** PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP BAAQMD Regulation 8, Rule 28	<u>Episodic Releases From Pressure Relief Devices at Petroleum</u> <u>Refineries and Chemical Plnts (5/24/2004)</u>		
8-28-111	Exemption, Evaporation Point	<u>Y</u>	
<u>8-28-303</u>	Pressure Relief Devices at Existing Sources at Petroleum Refineries	<u>Y</u>	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	<u>Y</u>	
<u>8-28-401</u>	Reporting at Petroleum Refineries and Chemical Plants	<u>Y</u>	
<u>8-28-402</u>	Inspection	<u>Y</u>	
<u>8-28-403</u>	Records	<u>Y</u>	
<u>8-28-404</u>	Identification	<u>Y</u>	
<u>8-28-405</u>	Prevention Measures Procedures	<u>Y</u>	
8-28-602	Determination of Control Efficiency	<u>Y</u>	

Table IV - AO-Y **Source-specific Applicable Requirements** A4- Thermal Oxidizer

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/017/19/2006)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/ <u>19</u> 99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	¥¹ <u>Y</u>	
1-523.3	Reports of Violations	$\mathbf{Y}^{1}\underline{\mathbf{Y}}$	
BAAQMD	Particulate Matter, General Requirements and Visible		

IV. Source Specific Applicable Requirements

Table IV - AO-YSource-specific Applicable Requirements A4- Thermal Oxidizer

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 6.	Emissions (12/19/90 12/5/2007)		
Rule 1			
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
<u>6-1-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>N</u>	
	Instruments and Appraisal of Visible Emissions		
SIP	Particulate Matter and Visible Emissions (9/4/1998)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	Visible Particles	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity	<u>Y</u>	
	Instruments and Appraisal of Visible Emissions		
BAAQMD	Organic Compounds-Organic Liquid Bulk Terminals and Bulk		
Regulation 8,	Plants (2/2/ <u>19</u> 94)		
Rule 6			
8-6-301	Bulk Terminal Limitations	Y	
40 CFR 60	Standards of Performance for Equipment Leaks (Fugitive		
Subpart VV	Emissions Sources) (12/14/2000)		
60.480	Applicability and Designation of Affected Facility	¥	
60.482-1	Standards: General	¥	
60.482-10	Standards: Closed vent systems and control devices	¥	
60.482-10(a)	Standards: Closed vent systems and control devices; comply with	¥	
, ,	section 60.482-10		
60.482-10(c)	Standards: Closed vent systems and control devices; enclosed	¥	
	combustion device requirements		
60.482-10(e)	Standards : Closed vent systems and control devices ; monitoring	¥	
	requirements		
l	-	N/	
60.482-10(f)	Standards: Closed vent systems and control devices: inspection	-Y-	
60.482-10(f)	Standards: Closed vent systems and control devices; inspection requirements	¥	

IV. Source Specific Applicable Requirements

Table IV - AO-YSource-specific Applicable Requirements A4- Thermal Oxidizer

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
10(f)(1)	requirements; inspection requirements for hard-piped closed vent		
	systems		
60.482-10(g)	Standards: Closed vent systems and control devices; leak repair	¥	
	requirements		
60.482-10(h)	Standards: Closed vent systems and control devices; delay of repair	¥	
60.482-10(j)	Standards: Closed vent systems and control devices; exemptions	¥	
	for unsafe to repair		
60.482-10(k)	Standards: Closed vent systems and control devices; exemptions	¥	
	for difficult to repair		
60.482-10(1)	Standards: Closed vent systems and control devices; recordkeeping	¥	
	requirements		
60.482-10(m)	Standards: Closed vent systems and control devices; operate at all	¥	
	times when emissions are vented to them		
BAAQMD			
Condition			
#1240			
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative	Y	
	increase)		
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources	Y	
	(Cumulative Increase)		
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative	Y	
	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
	(Cumulative Increase)		
Part I.19	1400F Minimum Operating Temperature and monitoring (2-6-503)	Y	
Part I.19a	Allowable temperature excursions (2-1-403)	Y	
Part I.19b	Recordkeeping for allowable temperature excursions (2-1-403)	Y	
Part I.19c	Temperatures above the limit (2-1-403)	Y	
Part II.6	Safety Relief System for S18(Cumulative Increase)	Y	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

$\begin{array}{c} \textbf{Table IV - } \textbf{AO-}\underline{\textbf{Y}} \\ \textbf{Source-specific Applicable Requirements} \\ \textbf{A4- Thermal Oxidizer} \end{array}$

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.59	Submerged fill pipe and abatement requirements for S14 (cumulative increase, offsets, BACT, toxics)	Y	
Part II.60	Destruction efficiency requirements for S14 (cumulative increase, offsets, BACT, toxics)	Y	
Part II.62	Submerged fill pipe and abatement requirement for S15 (BACT, Cumulative Increase, offsets, toxics)	Y	
Part II.63	Destruction efficiency requirements for S-15 (BACT, Cumulative Increase, offsets)	Y	
Part II.65	Control Requirement for S17 (Cumulative Increase)	Y	
Part II.68	Destruction Efficiency Requirement for S17 (Cumulative Increase, BACT)	Y	

^{*}This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV - AP-Z Source-specific Applicable Requirements A31, THERMAL OXIDIZER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/017/19/2006)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/ <u>19</u> 99)		
Regulation 1			

IV. Source Specific Applicable Requirements

Table IV - $\frac{AP}{Z}$ Source-specific Applicable Requirements A31, THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523	Parametric Monitoring and Recordkeeping Procedures	¥ ⁴ Y	
1-523.3	Reports of Violations	<u>-</u> Y ¹ Y	
BAAQMD	Particulate Matter, General Requirements and Visible		
Regulation 6 ₂ Rule 1	Emissions (12/19/9012/5/2007)		
6- <u>1-</u> 301	Ringelmann #1 Limitation	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>Y</u>	
BAAOMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
8-5-118	Limited exemption, gas tight requirement	N	
8-5-306	Requirements for Approved Emission Control Systems	<u>N</u> <u>N</u>	
8-5-306.1	Requirements for Approved Emission Control Systemsp; Abatement efficiency >= 95%	<u>N</u>	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	<u>N</u>	
8-5-502	Source test requirements; Approved Emission Control Systems	<u>N</u>	
<u>8-5-502.1</u>	Source test requirements; Approved Emission Control Systems for	<u>N</u>	
0.5.602	8-5-306.1; Annual source tests	NT	
8-5-603 BAAQMD	Determination of abatement efficiency Storage of Organic Liquids (06/05/200311/27/02)	<u>N</u>	
SIP			

IV. Source Specific Applicable Requirements

Table IV - $\frac{AP}{Z}$ Source-specific Applicable Requirements A31, THERMAL OXIDIZER

Annliachla	Pagulatian Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	Emorceable (Y/N)	Date
Regulation 8,	Description of Requirement	(1/N)	Date
Rule 5			
8-5-306	Requirements for Approved Emission Control Systems; gas tight	Y	
0-3-300	and >= 95% abatement	1	
8-5-503	Portable hydrocarbon detector for 8-5-306	<u>Y</u>	
<u>8-5-603</u>	Determination of Emissions	<u>Y</u>	
8-5-603.1	Determination of Emissions for 8-5-306	<u> </u>	
<u>8-5-605</u>	Gas tight determination for 8-5-306	<u> </u>	
BAAQMD	Organic Liquid Bulk Terminals And Bulk Plants (2/2/1994)	<u> </u>	
Regulation 8,	Organic Educa Bank Terminals And Bank Fants (2121 52)4)		
Rule 6			
8-6-301	Bulk Terminal Limitations	Y	
BAAQMD	Wastewater Collection and Separation Systems (9/15/2004)		
Regulation 8,			
Rule 8			
8-8-301	Wastewater separators designed rated capacity greater than 760 liters	Y	
	per day (200 gal/day) and smaller than 18.9 liters per second (300		
	gal/min)		
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic	N	
	compound vapor recovery system with a combined collection and		
	destruction efficiency of at least 95 percent by weight.		
<u>8-8-305</u>	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	<u>Y</u>	
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An	<u>N</u>	
	organic compound vapor recovery system with a combined		
	collection and destruction efficiency of at least 70 percent by weight		
8-8-602	Determination of Emissions	N	
SIP	Wastewater (Oil-Water) Separators (8/29/1994)		
Regulation 8,			
Rule 8			
8-8-301.3	Wastewater separators > 200 gpd and < 300 gpm: An organic	Y	
	compound vapor recovery system with a combined collection and		
	destruction efficiency of at least 95 percent by weight.		
8-8-305.2	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels; An	<u>Y</u>	
	organic compound vapor recovery system with a combined		

IV. Source Specific Applicable Requirements

$\begin{array}{c} \textbf{Table IV - } \textcolor{red}{\textbf{AP-}\underline{\textbf{Z}}} \\ \textbf{Source-specific Applicable Requirements} \\ \textbf{A31, THERMAL OXIDIZER} \end{array}$

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	collection and destruction efficiency of at least 70 percent by weight		
8-8-602	Determination of Emissions	Y	
BAAQMD	New Source Performance Standards		
Regulation	Incorporation by Reference (2/16/00)		
<u>10</u>			
<u>10-17</u>	40 CFR40 CFR, Part 60 Subpart Kb	<u>Y</u>	
<u>10-51</u>	40 CFR40 CFR, Part 60 Subpart UU	<u>Y</u>	
4 0 CFR 60	General Provisions (6/1/06)		
Subpart A			
60.11	Compliance with Standards and Maintenance Requirements	¥	
60.11(a)	Compliance determined by performance tests	¥	
60.11(d)	Control devices operated using good air pollution control practice	¥	
40-CFR40	New Source Performance Standard for Storage Vessels for		
CFR, Part	Petroleum Liquids for Which Construction, Reconstruction or		
60, Subpart	Modification Commenced After July 23, 1984. (10/15/03)		
Kb	Requirements for Control Devices		
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent	Y	
(ii)	system and control device >= 95% inlet VOC emission reduction		
60.113b(c)	Testing and Procedures; Closed vent system and control device (not	Y	
	flare)		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	Y	
	flare) operating plan submission		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	Y	
(i)	flare) operating planefficiency demonstration		
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not	Y	
(ii)	flare) operating planmonitoring parameters		
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not	Y	
	flare) operate in accordance with operating plan		
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system	Y	
	and control device (not flare) operating plan copy		
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system	Y	
	and control device (not flare) operating records		
60.116b(a)	Monitoring of Operations; Record retention	Y	

IV. Source Specific Applicable Requirements

Table IV - $\frac{AP}{Z}$ Source-specific Applicable Requirements A31, THERMAL OXIDIZER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
40-CFR40	Standards of Performance for Asphalt Processing and Asphalt		
CFR, Part	Roofing Manufacture (10/17/00)		
60, Subpart			
UU			
<u>60.470(a)</u>	Applicability and designation of affected facilities; asphalt storage	<u>Y</u>	
	<u>tanks</u>		
60.470(b)	Applicability and designation of affected facilities; asphalt storage	<u>Y</u>	
	<u>tanks</u>		
60.472(c)	Asphalt plant tank o Opacity standard	Y	
60.473(c)	Parametric monitoring	Y	
60.473(d)	Exemption from quarterly reports	Y	
60.474(c)(5)	Test methods and procedures; use Method 9 and 60.11 to determine	<u>Y</u>	
	<u>opacity</u>		
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/4/03)		
61.340(a)	Applicability: Chemical Manufacturing, Coke by product recovery, petroleum refineries	¥	
61.343(a)(1)	Standards: Tanks; Closed-vent systems are subject to 61.349	¥	
(ii)			
61.349(a)	Standards: Closed-Vent Systems and Control Devices; Applicability	¥	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	¥	
	system requirements		
61.349(a)(1)	Standards: Closed-vent systems and Control Devices Closed vent	¥	
(i)	system-no detectable emission >/= 500 ppmv, annual inspection		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
	device requirements		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Enclosed	¥	
(i)	combustion device requirements		
61.349(a)(2)	Controlled by enclosed combustion device with greater than 95%	¥	
(i)(A)	control efficiency.		
61.349(b)	Operated at all times.	¥	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control	¥	
	Device Performance Demonstration		
61.349(c)(2)	Performance tests	¥	

IV. Source Specific Applicable Requirements

Table IV - $\frac{AP}{Z}$ Source-specific Applicable Requirements A31, THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.349(e)	Administrator may request performance tests	¥	
61.349(f)	Visually inspect for leaks quarterly	¥	
61.349(g)	Repair leaks: 5 days for first attempt; 15 days for complete repair	¥	
61.349(h)	Monitor per 61.354(e)	¥	
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices- Continuously monitor control device operation	¥	
61.354(c)(1)	Monitor thermal vapor incinerator temperature	¥	
61.355(i)	Performance test procedures	¥	
61.356(a)	Recordkeeping and retention requirements	¥	
61.356(d)	Engineering design documentation for all control equipment	¥	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349 retain for life of device	¥	
61.356(f)(1)	Recordkeeping Requirements: certification of performance level	¥	
61.356(f)(3)	Requirements for performance tests	¥	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	¥	
61.356(j)	Recordkeeping Requirements: Control device operation	¥	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	¥	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	¥	
61.356(j)(3)	Recordkeeping Requirements: periods when closed vent system and control device are not operating	¥	
61.356(j)(3) (i)	Recordkeeping Requirements; Bypass Line Controls	¥	
61.356(j)(4)	Recordkeeping Requirements: Control device operation—Thermal vapor incinerator	¥	
61.357(d)(7)	Reporting Requirements: Quarterly report requirements	¥	
61.357(d)(7) (iv)	Reporting Requirements: Quarterly report—Control device monitored per 61.354(e)	¥	
61.357(d)(7) (iv)(A)	Reporting Requirements: Quarterly report—Thermal vapor incinerator	¥	
BAAQMD Condition #1240			

IV. Source Specific Applicable Requirements

Table IV - $\frac{AP}{Z}$ Source-specific Applicable Requirements A31, THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part I.5	Asphalt plant Heat Input Limit (Cumulative Increase)	Y	
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative increase)	Y	
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative Increase)	Y	
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative Increase)	Y	
Part I.18j	Summary of emissions estimates and reports of non-compliance (Cumulative Increase)	Y	
Part II.10	Control Requirement for S25 (Cumulative Increase)	¥	
Part II.32a	Control and Destruction Efficiency Requirement for <u>S3</u> , <u>S5</u> , <u>S6</u> , <u>S7</u> , <u>S8</u> , <u>S13</u> , <u>S31</u> , <u>S37</u> , <u>S38</u> , <u>S41</u> , <u>S51</u> , <u>S52</u> , <u>S53</u> , <u>S54</u> , <u>S59</u> , <u>S60</u> , <u>S61</u> , <u>S62</u> , <u>S63</u> , <u>S65</u> , <u>S66</u> , <u>S70</u> (Regulation 8-5-306, NSPS, Cumulative Increase, <u>BACT</u> , Toxics)	Y	
Part II.32b	Requirement for control of S59 (8-5-306, NSPS, cumulative increase, toxics)	¥	
Part II.32c	Requirement for control of S63 (8-5-306, NSPS, cumulative increase, offsets, BACT)	¥	
Part II.32d	Fugitive emissions at vapor recovery equipment for S63 (BACT)	¥	
Part II.43	Control and Destruction Efficiency Requirement for S3 (BACT, Cumulative Increase, offsets)	¥	
Part II.44	Vapor recovery and fugitive emission requirement for S3 (BACT, Cumulative Increase, offsets)	¥	
Part II.53	Fugitive emissions at vapor recovery equipment for S65 (BACT)	¥	
Part II.55	Control and Destruction Efficiency Requirements for S5-S8, S37, S38, and S70 (Cumulative Increase, Offsets)	¥	
Part II.56	Control and Destruction Efficiency Requirements for S51-S53, S60, and S65 (Cumulative Increase, Offsets)	¥	
Part II.57	Control and Destruction Efficiency Requirements for S61 and S62 (Cumulative Increase, Offsets)	¥	

Permit for Facility #: A0901

IV. Source Specific Applicable Requirements

Table IV - AP-Z Source-specific Applicable Requirements A31, THERMAL OXIDIZER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part II.58b	Continuous Temperature Monitoring (40 CFR 40 CFR, Part	Y	
	60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR 40 CFR, Part 60.473(c);		
	40 CFR 61.354(e)(1), 61.354(e)(4), Regulation 2-6-409.2.2, 2-6-		
	414)		
Part II.58c	Allowable temperature excursions (2-1-403)	<u>Y</u>	
Part II.58d	Recordkeeping for allowable temperature excursions (2-1-403)	<u>Y</u>	
Part II.58e	Temperature excursion only applies when below limit (2-1-403)	<u>Y</u>	
Part II.58f	Operational conditions for temperature excursions (2-1-403)	<u>Y</u>	
Part II.66	Control Requirement for S31 (Cumulative Increase)	Y	
art II.67	Control requirement for S54 (Cumulative Increase)	¥	
Part II.69	Destruction Efficiency Requirement for S31 (Cumulative Increase, BACT)	¥	
Part II.70	Destruction Efficiency Requirement for S54 (Cumulative Increase, BACT)	¥	
Part II.85	Vapor recovery and control requirement for S66 (BACT, cumulative increase, contemporaneous emission reductions)	¥	
Part II.86	Fugitive emissions at vapor recovery equipment for S66 (BACT)	¥	

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

168

IV. Source Specific Applicable Requirements

Table IV - AQAA **Source-specific Applicable Requirements** S71 EMERGENCY DIESEL POWERED AIR COMPRESSOR

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements and Visible Emissions		
Regulation 62	(12/19/90 <u>12/5/2007</u>)		
Rule 1			
6- <u>1-</u> 303	Ringelmann #2 Limitation	<u>N</u> Y	
6- <u>1-</u> 303.1	Standby sources of power	<u>N</u> ¥	
6- <u>1-</u> 305	Visible Particles	<u>N</u> ¥	
6- <u>1-</u> 310	Particulate Weight Limitation	<u>N</u> ¥	
6- <u>1-</u> 401	Appearance of Emissions	<u>N</u> ¥	
6- <u>1-</u> 601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	<u>N</u> ¥	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/1998)		
<u>6-303</u>	Ringelmann #2 Limitation	<u>Y</u>	
<u>6-303.1</u>	Standby sources of power	<u>Y</u>	
6-305	<u>Visible Particles</u>	<u>Y</u>	
6-310	Particulate Weight Limitation	<u>Y</u>	
6-401	Appearance of Emissions	<u>Y</u>	
<u>6-601</u>	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and	<u>Y</u>	
	Appraisal of Visible Emissions		
BAAQMD · Regulation 9 Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD · Regulation 9 Rule 8 ·	Inorganic Gaseous Pollutants, $\frac{NOXNOx}{NOx}$ and CO from Stationary IC Engines ($\frac{08}{01}$ /2001 $\frac{07}{25}$ /2007)		
9-8-110.4	Exemptions: Emergency Standby Engines	Y	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-330.2	Emergency Standby Engines, Hours of Operation	<u>N</u>	
9-8-330.3	Emergency Standby Engines, Hours of Operation	<u>N</u>	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	<u>N</u>	
9-8-530.2	Hours of operation (emergency)	<u>N</u>	

IV. Source Specific Applicable Requirements

Table IV - AQAA Source-specific Applicable Requirements S71 EMERGENCY DIESEL POWERED AIR COMPRESSOR

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-8-530.3	Nature of emergency condition	<u>N</u>	2400
CCR, Title	ATCM for Stationary Compression Ignition Engines		
17, Section			
93115			
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI	<u>N</u>	
	Engines That Have a Rated Brake Horsepower of Greater than 50 bhp		
93115.5(b)	Fuel requirements for in-sue emergency standby stationary diesel-fueled	<u>N</u>	
	<u>CI engines</u>		
93115.5(b)(1)	Must use CARB Diesel Fuel	<u>N</u>	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI	<u>N</u>	
	Engine (>50 bhp) Operating Requirements and Emission Standards		
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating	<u>N</u>	
	Requirements and Emission Standards		
93115.6(b)(3)	Emission and operation standards	<u>N</u>	
93115.6(b)(3)	Diesel PM Standard and Hours of Operation Limitations	<u>N</u>	
<u>(A)</u>			
93115.6(b)(3)	General Requirements	<u>N</u>	
(A)(1)			
93115.6(b)(3)	Operating for maintenance and testing limited to 50 hrs/year when PM	<u>N</u>	
(A)(2)(b)	emitted at a rate < 0.15 g/bhp-hr, except as provided in		
	93115.6(b)(3)(A)(2), excluding operating for emergency use and emissions		
	testing		
93115.6(b)(3)	Operation for maintenance and testing allowed to be 50 hrs/year when PM	<u>N</u>	
(A)(2)(b)	emitted at a rate < 0.15 g/bhp-hr		
BAAQMD			
Condition			
#1240			
Part I.6	Prohibition against combustion of fuel oil or diesel fuel (cumulative	Y	
	increase)		
Part I.14	Facility Limits (Cumulative Increase)	Y	
Part I.18	Cumulative Increase Monitoring (Cumulative Increase)	Y	
Part I.18a	NMHC and NOx estimates (Cumulative Increase)	Y	
Part I.18g	Estimates of NMHC emissions from combustion sources (Cumulative	Y	
	Increase)		

IV. Source Specific Applicable Requirements

Table IV - AQAA Source-specific Applicable Requirements S71 EMERGENCY DIESEL POWERED AIR COMPRESSOR

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part I.18i	Estimates of NOx emissions from combustion sources (Cumulative	Y	
	Increase)		
Part I.18j	Summary of emissions estimates and reports of non-compliance	Y	
	(Cumulative Increase)		
BAAQMD			
Condition			
#18796			
Part 1	Sulfur content of fuel (Cumulative Increase)	Y	
BAAQMD			
Condition			
#22928			
Part 1	Operating for reliability-related activities is limited to 50 hours per year.	Y	
	(Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title		
	17, Section 93115.6(b)(3)(A)(2)(b)"Stationary Diesel Engine ATCM"		
	section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)		
Part 2	Equipment Requirements (Basis: BAAQMD Regulation 9-8-530,	Y	
	"Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17,		
	Section 93115.10(e)(1)"Stationary Diesel Engine ATCM" section 93115,		
	title 17, CA Code of Regulations)		
Part 3	Recordkeeping ((Basis: BAAQMD Regulation 9-8-530, 2-6-501, and	Y	
	"Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17,		
	Section 93115.10(g) "Stationary Diesel Engine ATCM" section 93115,		
	title 17, CA Code of Regulations, Regulation 1-441))		

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

Permit for Facility #: A0901

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition #1240 For All Sources

Permit Conditions II. 1, 11, 12, and 13; and IV. 1, 2, and 3 were modified or added as part of App. No. 14513.

Pursuant to permit application #17515, permit condition I.8 was modified, conditions I.9 and I.10 were added, and what had been conditions I.9 and I.10 were renumbered as I.11 and I.12, respectively.

Pursuant to permit application #17687 the total asphalt plant wide heat input has been corrected from 42 to 66.17 MMBTU/HR, S13 and S59 were permitted, and S12 was exempted from permitting.

Pursuant to permit application #1261 (May, 2000) the total asphalt plantwide heat input has been corrected from 76.06 to 86.6 MMBTU/HR, and the allowable heat input for S19 was increased from 22.4 to 33 MMbtu/hr.

Pursuant to permit application #1819 (October, 2000), the crude oil throughput to the crude unit, S18, was raised to 5,292,000 barrels/yr.

Pursuant to permit application #7123 (March, 2003) the total asphalt plant-wide heat input has been corrected from 86.6 to 93.6 MMBTU/HR, and the allowable heat input for S19 was increased from 33 to 40 MMBtu/hr.

Pursuant to permit application # 19193 (February, 2009), process offgas from S18 Crude Unit will be routed from the S19 Vacuum Heater to the refinery fuel gas recovery system, S9, Facility B2626.

Pursuant to permit application #19384 (February 2009), if A31 and the vapor recovery blowers are inoperative, emissions from sources abated by A31 will be contained in a closed vent system, or vented to S24 as a backup until A31 is operating. Temperature excursion language is defined as occurring only when on or more vapor recovery system blower is operating in organic vapor service. Pressure monitoring of the vapor recovery system is required whenever a blower is not operating to verify compliance with closed vent system requirements.

I. ASPHALT PLANT CONDITIONS

S18 Crude Unit with or without Vacuum Distillation Column vented to and abated by S19 Vacuum H-1

Permit for Facility #: A0901

VI. Permit Conditions

1. The total throughput of feed oil to S18 Crude Unit shall not exceed 5,292,000 barrels in any consecutive 12-month period. (cumulative increase, toxics, offsets)

- 2. The total throughput of feed oil to S18 Crude Unit shall not exceed 18,000 barrels in any calendar day. (cumulative increase, toxics)
- 3.a At all times, the vacuum exhaust from the vacuum distillation column at S18 Crude Unit shall be vented to and abated by S19 Vacuum Heater with a destruction efficiency for VOC of at least 98.5%, by weight, as measured across S19. (cumulative increase, toxics). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193).
- 3.b Upon startup of the atmospheric PRD removal project (A/N 19193), the owner/operator of S-18 Crude Unit shall vent its emissions to the refinery fuel gas recovery system S-9 at all times. (Cumulative increase, toxics)
- 4. Each day, the permittee shall record, by material name, in a District approved log, the total volume of each and every liquid material throughput to S18 during the preceding calendar day, in gallon units or barrel units. At the conclusion of each month, the permittee shall total the daily log records and record the sum as the monthly throughput of all liquid materials to S18, in a District approved log. Additionally, the permittee shall record in the District approved log the throughput of all liquid materials to S18 for each rolling 12 consecutive month period. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)
- 5. The maximum heat input to all asphalt plant combustion units except S68, Emergency Diesel-Powered Firewater Pump, shall not exceed a total of 93.6 MM BTU/Hr. Compliance will be determined from the daily reading of the PG&E natural gas flow meter and/or the asphalt plant refinery fuel gas meter. These meter readings shall be logged and initialed by the operations coordinator on a daily basis. These readings and the monthly PG&E bills shall be made available to the District upon request. Only refinery fuel gas that is produced at the asphalt plant may be burned at the facility. (cumulative increase)
- 5a. The maximum heat input to S19, Vacuum Heater, shall not exceed 40

Permit for Facility #: A0901

VI. Permit Conditions

MMbtu/hr. (cumulative increase)

5b. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 50 ppmdv at 3% oxygen over any one-hour period. (cumulative increase, BACT)

5c. CO emissions in the exhaust of S19, Vacuum Heater, shall not exceed 1.47 lb/hr over any one-hour period. (cumulative increase, BACT)

- 6. Fuel oil and/or diesel fuel shall not be combusted in the asphalt plant's heaters or boilers or other combustion sources except for S68, Emergency Diesel-powered Firewater Pump and S71, Energency Diesel-powered Air Compressor. (cumulative increase) (modified 8/12/99, 4/24/02, 4/19/06)
- 7. Mechanical seals will be installed on all new rotary pumps and compressors. Mechanical packing of best available design will be installed in new reciprocating pumps. All compressor seals will be vented to an operating firebox or the vapors will otherwise be eliminated by a method, which is satisfactory to the District. (cumulative increase)
- 8. Vacuum Heater (S19) shall be equipped with a John Zink LoNOx Burner. Average NOx emissions from S19 shall not exceed 25 ppm corrected to 3% oxygen on a dry basis (one hour averaging period). (cumulative increase, BACT)
- 9. Deleted 06/02/98.
- 10. Boilers S20 and S21 and heater S19 shall be equipped with individual continuous recording oxygen analyzers. (2-1-403)
- 11.a The H2S content in the asphalt plant's refinery process gas prior to mixing with another gaseous fluid shall not exceed the H2S concentration limitation specified in NSPS 40 CFR40 CFR, Part 60 Subpart J. (NSPS) (Compliance with this condition will not necessarily ensure compliance with part I.12 of this condition.). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193).
- 11.b Upon startup of the atmospheric PRD removal project (A/N 19193), contingent on EPA's approval of 40 CFR40 CFR, Part 60, Subpart Ja Standards of Performance for Petroleum Refineries, the owner/operator shall submit a permit application the District for NOx and flaring applicability and revise the Title V permit if necessary. (Regulation 2-1-403).
- 12. The H2S content in the asphalt plant's refinery process gas prior to

Permit for Facility #: A0901

VI. Permit Conditions

mixing with another gaseous fluid shall not exceed 10 ppmv, dry, averaged over any consecutive 24-hour period. (BACT). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193) because the vacuum exhaust (asphalt plant refinery process gas) will be routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626.

13. The permittee shall operate District approved H2S monitoring and recording instruments which, as set forth in 40 CFR40 CFR, Part 60 Subpart J, measure and record the content of H2S in the asphalt plant's refinery process gas prior to mixing with another gaseous fluid and which allow the District to determine compliance of the process gas H2S content with both the applicable standard in 40 CFR40 CFR, Part 60 Subpart J and parts I.11, and I.12 of this condition. These records shall be retained in a District approved log, retained for at least 5 years from date of record, shall be kept on site, and shall be made available to the District staff upon request. (NSPS, BACT). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193) because vacuum exhaust (asphalt plant refinery process gas) will be routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626.

14. Total asphalt plant emissions shall not exceed the limits listed below:

a. Non-Methane Hydrocarbons..... 42.705 tons/yr b. Sulfur Dioxide, SO2....... 28.049 tons/yr c. Nitrogen Oxides, as NO2...... 40.047 tons/yr (Cumulative Increase)

15. Asphalt plant wastewater and refinery wastewater shall not be used for dust control at this facility. (Cumulative Increase)

16a. The permit holder shall perform a source test at S19, Vacuum Heater, every 6 months to determine compliance the NOx limit in part I.8 of this condition, and the CO limit in parts I.5b and I.5c of this condition. The source test shall be performed at the highest duty possible for the prevailing process conditions. All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 45 days from the date of the source test. (Cumulative Increase, BACT)

16b.<u>1</u> The permit holder shall perform a source test at S19, Vacuum Heater, every 24 months to determine compliance with the requirement for

Permit for Facility #: A0901

VI. Permit Conditions

98.5% POC destruction efficiency requirement in part I.3. The source test shall be performed at a minimum of 85% of the maximum capacity of 40 MMbtu/hr (34 to 40 MMbtu/hr). All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 45 days from the date of the source test. (Cumulative Increase, Toxics). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193) because vacuum exhaust (asphalt plant refinery process gas) will be routed from S19, Vacuum Heater to refinery fuel gas recovery system, S9, Facility B2626.

16b.2 Upon startup of the atmospheric PRD removal project (A/N 19193), the owner/operator of S19 shall perform the initial source test to demonstrate compliance with Condition 1240.I.5 and 1240.I.8. The initial source test shall be performed at a minimum of 85% of the maximum capacity of 40 MMbtu/hr (34 to 40 MMbtu/hr). The owner/operator shall also perform subsequent tests to re-establish the NOx emission factor of Condition # 21233, Part 5A following the test procedures specified in Condition # 21233, Part 4. All source testing shall be done in accordance with the District's Manual of Procedures. The facility shall receive approval from the District's Source Test Manager for installation of test ports and source testing procedures. The results shall be delivered to the District no later than 45 days from the date of the source test. (Cumulative Increase, Toxics, ACP)

17. A/C source test condition, deleted.

18. To assure compliance with part I.14 of Condition 1240, the permit holder shall perform the following monitoring on a semi-annual basis, starting on January 1 of each year.

18a. The permit holder shall estimate emissions of Non-methane hydrocarbons (NMHC) and nitrogen oxides for each quarter.
18b. The permit holder shall estimate fugitive NMHC emissions from valves, flanges, pumps, and compressors using the draft "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities" dated February 1999, or later version.

18c. The permit holder shall estimate tank NMHC emissions from the following tanks using the most recent version of EPA's "Tanks" program or EPA publication AP-42: S3, S5-S9, S13, S37, S38, S51-S53, S59-S63, S65, S70.

VI. Permit Conditions

18d. The permit holder shall estimate NMHC emissions from the following loading racks using EPA publication AP-42: \$14, \$15, \$16, \$17, \$31, \$54.

18e. The permit holder shall estimate NMHC emissions from the following wastewater sources using the most recent version of EPA's "Water" program: \$12, \$25-\$28\$27, \$41, \$66, \$67. The permit holder may use maximum potential to emit in place of measured throughput. 18f. The permit holder shall estimate NMHC emissions from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates. 18g. The permit holder shall estimate NMHC emissions from the following combustion sources: S24, S34, A4, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NMHC emissions from S68 and S71. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA publication AP-42.

18h. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S19-S21. The permit holder shall use fuel measurements for each fuel, the F-factor method in EPA Method 19, and the average concentration in the last source test for these estimates.

18i. The permit holder shall estimate emissions of nitrogen oxides (NOx) from the following combustion sources: S24, S34, A4, A31. The permit holder shall use the maximum capacity as an estimate of the fuel usage, and the appropriate emission factor from EPA publication AP-42. The permit holder shall estimate NOXNOx emissions from S68 and S71. The permit holder shall use the maximum capacity as an estimate of the fuel usage, the actual hours of operation, and the appropriate emission factor from EPA publication AP-42.

18j. Within 30 days after the end of each semi-annual period, the permit holder shall calculate the emission estimates required by parts I.18b through 18i for the quarter, summarize the emission estimates for the period, and for the previous period. If the emission estimates exceed the limits in part I.14 of Condition 1240, the permit holder shall report non-compliance with part I.14 of this condition in accordance with Standard Condition I.F of the Title V permit. The emissions estimates shall be kept on-site for a minimum of five years and be made available to District staff upon request. (Cumulative Increase)

19. Within 90 days of issuance of the Title V permit, the Owner/Operator

Permit for Facility #: A0901

VI. Permit Conditions

shall install continuous temperature monitoring and recording device for A4, Thermal Oxidizer. The Owner/Operator shall operate A4 Thermal Oxidizer at a minimum temperature of 1400F. (Source Test requirement completed May 20, 2004 and minimum operating temperature added per Application 11815.) (2-6-503)

19a. The temperature limit in part I.19 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:

- a. A temperature excursion not exceeding 20 degrees F; or
- b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
- c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
 - i. the excursion does not exceed 50 degrees F;
 - ii. the duration of the excursion does not exceed 24 hours; and
 - iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit. (basis: Regulation 2-1-403)

19b. For each Allowable Temperature Excursion that exceeds 20 degrees F. and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

- a. Temperature controller setpoint;
- b. Starting date and time, and duration of each Allowable Temperature Excursion;
- c. Measured temperature during each Allowable Temperature Excursion;
- d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
- e. All strip charts or other temperature records.

(basis: Regulation 2-1-403)

19c. For the purposes of parts I.19a and I.19b, a temperature excursion refers only to temperatures below the limit. (basis: Regulation 2-1-403)

Permit for Facility #: A0901

VI. Permit Conditions

- 20. Deleted Application 9297
- II. TANKAGE AND LOADING RACK CONDITIONS:
- 1. Deleted in Revision 2. Ownership of S2 transferred to Facility B5574 by Application No. 7980/8915.
- 2. Deleted 5/01. Redundant with condition 1240 II.26.
- 3. Deleted 07/20/99. Redundant with condition 1240 II.27.
- 4. Deleted 07/20/99. Redundant with condition 1240 II.54.
- 5. Deleted 07/20/99. Redundant with condition 1240 II.60.
- 6. The safety relief system for the crude unit, S18 shall vent to the thermal oxidizer (A4). (Cumulative Increase). This condition will be deleted upon startup of the atmospheric PRD removal project (A/N 19193). The POC destruction efficiency requirement is no longer applicable since exhaust from S18 Crude Unit will be routed from the S19, Vacuum Heater to the refinery fuel gas recovery system, S9, Facility B2626.
- 7. Deleted 07/20/99. Redundant with condition 1240 II.51.
- 8. Asphalt loading at S17 shall be immediately terminated if the blowdown system is venting to the thermal oxidizer (A4). (Cumulative Increase)
- 9. Deleted 08/12/99.
- 10. <u>Deleted. [Basis: S25 is permanently removed from service]</u> <u>Source S25 shall be vented to A1 or A3, Mist Eliminator F-8 or F-10 and A31, Thermal Oxidizer, at all times of operation. If A31 is inoperative, this source shall be vented to source S24, Hot Oil Heater, as a backup until A31 is operating. (cumulative increase) (Added 10/27/93)</u>
- S1 Crude Oil Storage Tank 1A, External Floating Roof, Capacity: 3,419,000 Gallons
- S2 Crude Oil Storage Tank, External Floating TK-1B, Capacity: 3,419,000 Gallons
- S4 Crude Oil Storage Tank, External Floating Roof, TK-10A, Capacity: 1,382,000 Gallons

Permit for Facility #: A0901

VI. Permit Conditions

S23 Crude Oil Storage Tank, External Floating Roof, TK-10B, Capacity: 1,382,000 Gallons

Conditions 11-24 Deleted in Revision 2. Ownership of S1, S2, S4, and S23 transferred to Facility B5574 by Application No. 7980/8915. S9 Internal Floating Roof Tank, TK-7; Capacity: 571,200 Gallons, White, Storing: Naphtha equipped with a mechanical shoe primary seal, rim mounted secondary seal, and welded deck

- 25. Material other than Naphtha may be throughput to or stored in S9, if all of the following are satisfied:
- a. the storage of each material complies with all other conditions applicable to this source
- b. the storage of each material complies with all other applicable regulatory requirements
- c. the permittee keeps District approved records that demonstrate to the District's satisfaction that no toxin listed in Table 2-5-1 2-1-316 is emitted from S9 in an amount in excess of the toxin's respective trigger level set forth in Table 2-5-12-1-316. (cumulative increase, toxics)
- 26. The true vapor pressure of each and all material stored in S9 shall not exceed 11 psia. (cumulative increase, toxics)
- 27a. S9 shall not be operated unless it is equipped with a District approved internal floating roof with a mechanical shoe primary seal, a rim mounted secondary seal, and a welded deck. (cumulative increase, NSPS)
- 28. The total throughput of all liquid materials to S9 shall not exceed 24,019,000 gallons (571,880 barrels) in any rolling 12 consecutive month period. (cumulative increase, toxics)
- 29. On a monthly basis, the permittee shall record in a District approved log the total volume of each and all liquid materials throughput to S9 each month and each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)
- S13 Fixed Roof Storage Tank (TK-8); Capacity: 88,000 Gallons, Storing: Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603. If A31 and the vapor recovery blower are inoperative, S13 emissions shall be contained in a District approved

VI. Permit Conditions

closed vent system as specified in Parts 94 and 96. Alternately, S13 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S59 Fixed Roof Storage Tank (TK-5); Capacity: 1,050,000 Gallons, Storing: Kerosene, Light or Heavy Vacuum Gas Oil and Asphalt, abated by A1 or A3 Mist Eliminator F-8 (or) F-10 and A31 Thermal Oxidizer H-4607 or (either) S24 Hot Oil Heater H-4603. If A31 and the vapor recovery blower are inoperative, S59 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S59 emissions shall be vented to S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S63 Kerosene/Light Vacuum Gas Oil/Heavy Vacuum Gas Oil/Asphalt Storage Tank, Fixed Roof, TK-31, Capacity: 1,218,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Furnace H-4603. If A31 and the vapor recovery blower are inoperative, S69 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S63 emissions shall be vented to S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

- 30. Petroleum materials other than Kerosene, Light or Heavy Vacuum Gas Oil, and Asphalt may be stored in S13, S59, and S63 if all of the following are satisfied:
- a. the storage of each petroleum material complies with all other conditions applicable to S13, S59, or S63.
- b. the storage of each petroleum material complies with all other applicable regulatory requirements
- c. the permittee keeps District approved records which demonstrate to the District's satisfaction that no toxin listed in Table 2-5-1 2-1-316 is emitted from S13, S59, or S63 in an amount in excess of the toxin's respective trigger level set forth in Table 2-5-12-1-316. (cumulative increase, toxics)
- 31. The true vapor pressure of each material stored in S13, S59, or S63 shall not exceed 1.5 psia. (cumulative increase, toxics)
- 31a. To assure compliance with the limit in part II.31, the permit holder shall take a sample from each tank on an annual basis and determine the true vapor pressure of the sample. Records of these analyses shall be retained for at least 5 years from the date of the analysis, shall be kept on site, and shall be made available to the District staff on request.

Permit for Facility #: A0901

VI. Permit Conditions

(cumulative increase, toxics)

32a. At all times that S13 stores petroleum materials, S13 shall be operated with a District approved vapor recovery system and S13 emissions shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and The owner/operator shall maintain and operate A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with an overall collection and destruction efficiency of at least 98.5%, by weight whenever petroleum and VOC materials are stored and/or transferred at S3, S5, S6, S7, S8, S13, S31, S37, S38, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66 and S70. (Regulation 8-5-306, NSPS, and cumulative increase, BACT, toxics)

32b. Deleted. Combined with Condition 1240.II.Part 32a
At all times that S59 stores organic materials, S59 shall be operated with a District approved vapor recovery system and S59 organic emissions shall be abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and S24 Hot Oil Heater H-4603 or A31 Thermal Oxidizer-H-4607; with an overall collection and destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31).

(Regulation 8-5-306, NSPS, and cumulative increase, toxics)

32c. Deleted. Combined with Condition 1240.II.Part 32aAt all times that S63 stores organic materials with vapor pressure greater than 0.5 psiaFor S63, at all times that petroleum materials/VOC are in this equipment, S63 shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). Alternately, emissions shall be contained in a District approved vapor recovery system when the vapor recovery blower is not operating. (cumulative increase, NSPS, Regulation 8-5-306, offsets, BACT)

32d. <u>Deleted.</u> Redundant with Regulation 8-18. For S63, the District approved vapor recovery system operated in conjunction with S63 shall operate such that it has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. Total organic compounds is as defined in Regulation 8, Rule 18. (BACT)

32e. To monitor compliance with the standard in 40 CFR40 CFR, Part 60.112b(a)(3)(i) for fugitive emissions at closed vent systems, the owner/operator shall inspect the closed vent systems that control S13, S59,

Permit for Facility #: A0901

VI. Permit Conditions

and S63 using EPA Method 21 on a semi-annual basis. (Regulation 2-6-503)

- 33a. The total combined throughput of all materials to S13, S59, and S63 shall not exceed 68,208,000 gallons (1,624,600 barrels) in any rolling 12 consecutive month period. (cumulative increase, toxics)
- 33b. Cutback asphalt materials including but not limited to SC Cutback Asphalt, MC Cutback Asphalt, and FM-1 Cutback Asphalt and other cutback asphalt materials shall NOT be stored in or transferred to S63. (toxics)
- 34. On a monthly basis, the permittee shall record in a District approved log the total volume of each liquid material throughput to S13, S59, or S63 by material name (e.g., kerosene, light vacuum gas oil, heavy vacuum gas oil, asphalt) each month and each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)
- 35. Deleted May, 2001
- 36. Deleted May, 2001
- 37. Deleted May, 2001
- 38. Deleted May, 2001
- 39. Deleted May, 2001
- S3 Fixed Roof Storage Tank, TK-1C, Storing: Heavy Vacuum Gas Oil, Capacity: 3,415,000 Gallons operated with a District approved vapor recovery system and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and S24 Hot Oil Heater H-4603 or A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S3 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S3 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)
- 40. Materials other than Heavy Gas Oil may be stored in S3, if -all of the following are satisfied:
- a. the storage of each petroleum material complies with all other

Permit for Facility #: A0901

VI. Permit Conditions

conditions applicable to S3

- b. the storage of each petroleum material complies with all other applicable regulatory requirements
- c. the permittee keeps District approved records that demonstrate to the District's satisfaction that no toxin listed in Table 2-5-1 2-1-316 is emitted from S3 in an amount in excess of the toxin's respective trigger level set forth in Table 2-5-1 2-1-316. (cumulative increase, toxics)
- 41. The permittee shall ensure that at least 38,300,000 gallons (the 1996 calendar year baseline throughput to S3) of gas oil is throughput exclusively to S3 for storage during every rolling 12 consecutive month period, prior to transferring/storing gas oil material into another vessel for which VOC emissions are not abated with a destruction efficiency of at least 98.5%, by weight. (offsets)
- 42. The true vapor pressure of each and all material stored in S3 shall not exceed 0.5 psia. (cumulative increase, NSPS)
- 43. Deleted. Combined with Part 32a. At all times that S3 stores organic materials VOC, S3 shall be operated with a District approved vapor recovery system and S3 volatile organic compound emissions shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer-H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets, BACT)
- 44. <u>Deleted. Redundant with Regulation 8-18.</u> The District approved vapor recovery system operated in conjunction with S3 shall operate under negative pressure_and ensure that S3, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (BACT, cumulative increase, offsets)
- 45. All tank fittings present at S3 shall be gasketted. (BACT)
- 46. At the conclusion of each month, the permittee shall record in a District approved log the total volume of each and all liquid materials throughput to S3 during that month and for each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

185

Permit for Facility #: A0901

VI. Permit Conditions

47. Deleted 11/29/99. Start-up condition

S5 Asphalt Storage Tank, Fixed Roof, TK-2A, Capacity: 3,415,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S5 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S5 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S6 Asphalt Storage Tank, Fixed Roof, TK-2B, Capacity: 3,415,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S6 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S6 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) -or S24 Hot Oil Furnace H-4603

S7 Asphalt Storage Tank, Fixed Roof, TK-3, Capacity: 1,050,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S7 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S7 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S8 Asphalt Storage Tank, Fixed Roof, TK-4, Capacity: 1,050,000 Gallons abated by either A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S8 emissions shall be contained in a District approved closed vent system as specified in Parts 9493 and 96. Alternately, S8 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S37 Asphalt Storage Tank, Fixed Roof, TK 54, Capacity: 100,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S37 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S37 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

Permit for Facility #: A0901

VI. Permit Conditions

S38 Asphalt Storage Tank, Fixed Roof, TK-55, Capacity: 100,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S38 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S38 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S51 Asphalt Storage Tank TK-506; Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S51 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S51 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S52 Asphalt Storage Tank TK 507, Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S52 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S52 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S53 Asphalt Storage Tank TK 508, Fixed Roof Tank, Capacity: 152,880 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S53 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S53 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S60 Asphalt Storage Tank TK-505; Fixed Roof, Capacity: 15,000 Gallons abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and S24 Hot Oil Heater H-4603 or A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S60 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S60 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase)

S61 Asphalt Storage Tank, Fixed Roof, TK-30A, Capacity:

VI. Permit Conditions

995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S61 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S61 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4693

S62 Asphalt Storage Tank, Fixed Roof, TK-30B, Capacity: 995,400 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S62 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S62 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S65 Asphalt Storage Tank, Fixed Roof, TK-32 Tank Capacity: 6,920,000 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S65 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S65 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

S70 Asphalt Additive Mixing Tank, Fixed Roof, Tank Capacity: 2,200 Gallons abated by A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S70 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S70 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

- 48. The sum total asphalt throughput to S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, and S65 shall not exceed 6,738,349 barrels (283,010,658 gallons) in any 12 consecutive month period. (cumulative increase, offsets)
- 49. For S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65, S70: Cutback asphalt materials including but not limited to SC Cutback Asphalt, MC Cutback Asphalt, and FM-1 Cutback Asphalt and other cutback asphalt materials shall not be stored in or transferred to any of the above tanks. (toxics)

Permit for Facility #: A0901

VI. Permit Conditions

50. For S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, and S70: the true vapor pressure of each and all materials stored in each tank shall not exceed 0.5 psia. (cumulative increase, offsets)

- 51. For S61 and S62, the true vapor pressure of each and all materials stored in each tank shall not exceed 0.49 psia. (cumulative increase, offsets, NSPS, BACT)
- 52. For S65, the true vapor pressure of each and all materials stored in S65 shall not exceed 0.49 psia. (cumulative increase, offsets, BACT)
- 53. Deleted. Redundant with Regulation 8-18 The District approved vapor recovery system operated in conjunction with S65 shall operate under negative pressure and ensure that S65, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (BACT, cumulative increase)
- 54. Deleted May, 2001.
- 55. Deleted. Combined with Part 32a. Whenever petroleum materials or VOC are stored at S5, S6, S7, or S8, S37, S38, and S70, each source shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A1 or A3 or A20 Mist Eliminator F-8 or F-10 or F-500 and S24 Hot Oil Heater H-4603 or A31 Thermal Oxidizer H-4607; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets)
- 56. Deleted. Combined with Part 32a. Whenever petroleum materials or VOC are stored at S37, S38, S51, S52, S53, S60, and S65 and S70, each source shall be operated with a District approved vapor recovery system with emissions ducted to and abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets)
- 57. <u>Deleted. Combined with Part 32a.</u> Whenever petroleum materials or VOC are stored in S61 and/or S62, each source shall be operated with a District approved vapor recovery system with emissions ducted to and

VI. Permit Conditions

abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (cumulative increase, offsets, BACT)

58. Separately, for each of S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65, and S70, at the conclusion of each month, the permittee shall record, by material name, in a District approved log, the total volume of each liquid material throughput to each tank during that month and during each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)

58a. Deleted Application 17468.

58b. The Owner/Operator shall install and properly maintain continuous temperature monitoring and recording devices for A31 (H-4607), Thermal Oxidizer and S24 (H-4603), Hot Oil Heater. The Owner/Operator shall operate A-31 with a minimum combustion zone temperature of 1400°F to maintain a 98.5% destruction efficiency, whenever emissions are vented to it by one or more operational vapor recovery blowers in organic vapor service. The Owner/Operator shall operate S-24 at a minimum operating temperature of 1115°F to maintain a 98.5% destruction efficiency when S-24 is operated in abatement service whenever emissions are vented to it by one or more vapor recovery blowers in organic vapor service. (Source Test Requirements demonstrating compliance with the 98.5% abatement destruction efficiency and the Regulation 6-1-310 grain loading requirements were completed February 28 and 29, 2004.) (Applications 12704 for A-31 and Application 12236 for S-24 have been submitted for the Title V permit revisions established minimum operating temperature limits) (Application 19631/19643 (2009) removed 40 CFR40 CFR, Part 61 Subpart FF citations from basis. Facility has no sources controlled by A31 or S24 for compliance with 40 CFR40 CFR, Part 61 Subpart FF.) (Basis: 40 CFR40 CFR, Part 60.113b(c)(1)(ii) and 60.113b(c)(2); 40 CFR40 CFR, Part 60.473c; 40 CFR 61.354(c)(1); 40 CFR 61.354(c)(4), Regulation 2-6-409.2.2, 2-6-414)

58c. The temperature limit in Part II.58b for A-31 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint remains at a minimum of 1,400°F. An Allowable Temperature Excursion is one of the following:

a. A temperature excursion not exceeding 20-°degrees-F; or

Permit for Facility #: A0901

VI. Permit Conditions

b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or

- c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
 - i. the excursion does not exceed 50-\(^{0}\)degrees F;
 - ii. the duration of the excursion does not exceed 24 hours; and
 - iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit. (basis: Regulation 2-1-403)

58d. For each Allowable Temperature Excursion that exceeds 20-°degrees F. and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

- a. Temperature controller setpoint;
- b. Starting date and time, and duration of each Allowable Temperature Excursion;
- c. Measured temperature during each Allowable Temperature Excursion;
- d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
- e. All strip charts or other temperature records. (basis: Regulation 2-1-403)

58e. For the purposes of Parts II.58c and II.58d, a temperature excursion refers only to temperatures below the limit (basis: Regulation 2-1-403)

58f. For the purposes of parts II.58c and II.58d, a temperature excursion occurs only when one or more vapor recovery system blowers is operating in organic vapor service, and is vented to A-31 (H-4607). When a blower is used to start up A-31, the blower is in "fresh air" service and not in organic vapor service. (basis: Regulation 2-1-403)

S14 Naphtha Loading Racks abated by A4 Thermal Oxidizer H-6

59. S14 shall be operated with a submerged fill pipe and be abated by A4 Thermal Oxidizer H 6 at all times that materials are transferred at S14. (cumulative increase, offsets, BACT, toxics)

Permit for Facility #: A0901

VI. Permit Conditions

59a. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for vapor tightness of equipment associated with organic liquid delivery and loading operations at S14, the owner/operator shall inspect the equipment using EPA Method 21 on a quarterly basis. (Regulation 2-6-503)

59b. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for leak-free equipment associated with organic liquid delivery and loading operations at S14, the owner/operator shall inspect the equipment on a quarterly basis. This condition shall be effective on April 1, 2004. (Regulation 2-6-503)

60. S14 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 Thermal Oxidizer H-6 with a destruction efficiency of at least 98.5%, by weight, as measured across A4. (cumulative increase, offsets, BACT, toxics)

61a. The true vapor pressure of the materials transferred at S14 shall not exceed 11 psia. (cumulative increase, offsets, toxics)

61b. The total throughput of naphtha to S14 shall not exceed 25,749,000 gallons (613,000 barrels) during any consecutive 12-months. (cumulative increase)

S15 Kerosene and Light Vacuum Gas Oil Loading Rack abated by A4 Thermal Oxidizer H-4606

62. S15 shall be operated with a submerged fill pipe and be abated by A4 Thermal Oxidizer H-4606 at all times that materials are transferred at S15. (cumulative increase, offsets, BACT, toxics)

62a. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for vapor tightness of equipment associated with organic liquid delivery and loading operations at S15, the owner/operator shall inspect the equipment using EPA Method 21 on a quarterly basis. (Regulation 2-6-503)

62b. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for leak-free equipment associated with organic liquid delivery and loading operations at S15, the owner/operator shall inspect the equipment on a quarterly basis. (Regulation 2-6-503)

Permit for Facility #: A0901

VI. Permit Conditions

63. S15 emissions shall be captured by a District approved vapor recovery system and shall be abated by A4 Thermal Oxidizer H-4606 with a destruction efficiency of at least 98.5%, by weight, as measured across A4.

(cumulative increase, offsets, BACT, toxics)

64a. The true vapor pressure of the materials transferred at and/or sampled from S15 shall not exceed 1.5 psia. All materials loaded at S15 must be transferred from Tanks S13, S59, or S63. (cumulative increase, offsets, toxics)

64b. The total combined throughput of Kerosene and Light Vacuum Gas Oil to S15, shall not exceed 283,011,000 gallons (1,483,000 barrels) during any consecutive 12-months. (cumulative increase, offsets, toxics)

S17 Asphalt Loading Racks abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-4606

S31 Rail Car Loading Rack; 5 Loading Arms, Loading: Asphalt and Light Vacuum Gas Oil abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S31 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S31 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Heater H-4603

S54 Asphalt Loading Rack abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S54 emissions shall be contained in a District approved closed vent system as specified in Parts 94 and 96. Alternately, S54 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Heater H-4603

- 65. S17 shall be abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-4606 at all times that materials are transferred at S17. (cumulative increase)
- 66. [Deleted. Combined with part 32a]S31 shall be abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3 at all times that materials are transferred at S31. (cumulative increase)
- 67. [Deleted. Combined with part 32a] S54 shall be abated by (either) A3

Permit for Facility #: A0901

VI. Permit Conditions

or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-7 or S24 Hot Oil Heater H-3 at all times that materials are transferred at S54. (cumulative increase)

- 68. Emissions from S17 shall be captured by a District approved vapor recovery system and shall be abated by A2 Mist Eliminator F-9 and A4 Thermal Oxidizer H-4606 with a destruction efficiency of at least 98.5%, by weight, as measured across A4. (cumulative increase, BACT)
- 69. <u>Deleted.</u> Combined with Part 32a. <u>Emissions from S31 shall be</u> captured by a District approved vapor recovery system and shall be abated by A6 Mist Eliminator F-3 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603 with a destruction efficiency of at least 98.5%, by weight, as measured across A31 or S24. (cumulative increase, BACT)
- 70. <u>Deleted. Combined with Part 32a.</u> <u>Emissions from S54 shall be</u> captured by a District approved vapor recovery system and shall be abated by (either) A3 or A20 Mist Eliminator F-10 or F-500 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603 with a destruction efficiency of at least 98.5%, by weight, as measured across that combustion device(s) abating S54 (A31 and/or S24). (cumulative increase, BACT)
- 71. The true vapor pressure of the materials transferred at or sampled from S17 and/or S 54 shall not exceed 0.5 psia except for 5,500 Barrels per year of kerosene when required to produce medium-cure cutback asphalt products. (cumulative increase, offsets)
- 72. The true vapor pressure of the materials transferred at or sampled from S31 shall not exceed 1.5 psia, unless the material contains asphalt. (cumulative increase, toxics, offsets)
- 72a. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for vapor tightness of equipment associated with organic liquid delivery and loading operations at S31, the owner/operator shall inspect the equipment using EPA Method 21 on a quarterly basis. (Regulation 2-6-503)
- 72b. To monitor compliance with the standard in BAAQMD Regulation 8-6-306 for leak-free equipment associated with organic liquid delivery and loading operations at S31, the owner/operator shall inspect the equipment on a quarterly basis. (Regulation 2-6-503)

Permit for Facility #: A0901

VI. Permit Conditions

73. If asphalt or any asphalt containing material or any material blended with asphalt is transferred at or sampled from S31, the true vapor of the material may not exceed 0.5 psia. (cumulative increase, toxics, offsets)

- 74. The total combined throughput of asphalt and all asphalt containing materials to S17, S31, and S54 shall not exceed 283,011,000 gallons during any consecutive 12-months. (cumulative increase, offsets)
- 75. The permittee shall maintain a District approved log of the monthly throughput of asphalt and all asphalt containing materials to S17, S31, and S54 in gallon units or barrel units during each month and during each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)
- 76. Deleted May, 2001.
- 77. Deleted May, 2001.
- 78. Deleted May, 2001.
- 79. Deleted May, 2001.
- 80. Deleted May, 2001.
- 81. Deleted May, 2001.
- 82. Deleted May, 2001.

S66 Oil Water Separator, Physical Capacity: 830 GPM, Permitted Capacity: 210 GPM abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607. If A31 and the vapor recovery blower are inoperative, S66 emissions shall be contained in a District approved closed vent system as specified in Parts 93 and 96. Alternately, S66 emissions shall be vented to source S24, Hot Oil Heater (H-4603), as a backup until A31 is operating. (cumulative increase) or S24 Hot Oil Furnace H-4603

83. The permittee shall ensure that the throughput of liquid material to S66 shall not exceed 110,376,000 gallons per year (210 gallons per minute). (basis: cumulative increase)

195

Permit for Facility #: A0901

VI. Permit Conditions

84. The cover and each access opening at S66 shall be equipped with a gasketted, vapor tight cover (as defined in Regulation 8, Rule 8). Each cover and access opening shall be kept closed and sealed except when the opening is being used for inspection, maintenance, or wastewater sampling. (basis: Reg. 8, Rule 8)

- 85. <u>Deleted.</u> Combined with Part 32a. <u>S66 shall be operated with a District approved vapor recovery system with S66 emissions ducted to and abated by (either) A1 or A3 Mist Eliminator F-8 or F-10 and A31 Thermal Oxidizer H-4607 or S24 Hot Oil Heater H-4603; with a destruction efficiency of at least 98.5%, by weight, as measured across the combustion device (S24 or A31). (basis: BACT, cumulative increase, contemporaneous emission reductions)</u>
- 86. Deleted. Redundant with Regulation 8-18. The District approved vapor recovery system operated in conjunction with S66 shall operate under negative pressure. Deleted remainder of condition. Equipment operating under negative pressure is exempt from Regulation 8, Rule 18. and ensure that S66, including the District approved vapor recovery system, has no detectable fugitive organic emissions in excess of 100 ppmv, measured as total organic compounds. The vapor recovery system shall be monitored in accordance with BAAQMD Regulation 8, Rule 18. (basis: BACT, cumulative increase, contemporaneous emission reductions)
- 87. Not less frequently than on a monthly basis, the permittee shall measure and record the volume (in gallons) of oil (slop oil) product recovered at S66 and not less frequently than on a monthly basis, the permittee shall measure and record the volume (in gallons) of waste water product recovered at S66 (waste water discharge to City of Benicia). The sum of the volume of slop oil product and the volume of wastewater product shall recorded in a District approved log as the throughput of liquid material to S66. (basis: cumulative increase)
- 88. On a monthly basis, the permittee shall record in a District approved log the total volume of all liquid materials throughput to S66 each month, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (basis: cumulative increase)
- 89. Deleted 2001.

S16 Truck Loading Rack-Heavy Vacuum Gas Oil

Permit for Facility #: A0901

VI. Permit Conditions

90. The true vapor pressure of the materials transferred at and/or sampled from S16 shall not exceed 0.49 psia. (cumulative increase)

- 91. The total throughput of materials transferred through S16 shall not exceed 25,749,000 gallons (613,000 barrels) during any consecutive 12-months. (cumulative increase)
- 91a. The permittee shall maintain a District approved log of the monthly throughput of materials transferred at S16 in gallon units or barrel units during each month and during each rolling 12 consecutive month period, in gallon units or barrel units. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)
- S41, Wemco Hydrocleaner Induced Air Floatation Machine, abated by A1 or A3 Mist Eliminator F-8 or F-10 and S24 Hot Oil Furnace H-3 or A31 Thermal Oxidizer
- 92. The permittee shall ensure that the throughput of liquid material to S41 shall not exceed 77,263,200 gallons per year (147 gallons per minute). (basis: cumulative increase)
- 92a. The permittee shall maintain a District approved log of the monthly throughput of liquid material transferred to S41 in gallon units during each month and during each rolling 12 consecutive month period. This log shall be retained for at least 5 years from date of entry, shall be kept on site, and shall be made available to the District staff on request. (cumulative increase)
- 93. The following sources, which shall be operated with a District approved closed vent system, are connected to vapor recovery collection header #1 and vapor recovery blower B-4608 or spare blower B-46501: S5, S6, S7, S8, S41, S25, S59, and S66. Emissions are contained in the closed vent collection header when the blower is not operating, as long as no P/V valve in the header is lifting. The pressure of each of the three headers at a representative location shall be monitored at least once every 8 hours, whenever the vapor recovery blower is not operating. If the manometer pressure of any header exceeds 0.5 ounces (0.87 inches of water column), A-31 or S-24 shall be restarted and emissions conveyed to it by the blower. (basis: cumulative increase)

Permit for Facility #: A0901

VI. Permit Conditions

94. The following sources, which shall be operated with a District approved closed vent system, are connected to vapor recovery collection header #2 and vapor recovery blower B-46500 or spare blower B-46501: S3, S13, S31, S37, S38, S51, S52, S53, S54, S60, S61, S62, S63, S65, and S70. Emissions are contained in the closed vent collection header whenever a blower is not operating, as long as no P/V valve in the header is lifting. The pressure of the each of the three headers at a representative location shall be monitored at least once every 8 hours, whenever the vapor recovery blower is not operating. If the manometer pressure of any header exceeds 0.5 ounces (0.87 inches of water column), A-31 or S-24 shall be restarted and emissions conveyed to it by the blower. (basis: cumulative increase)

- 95. To determine compliance with Parts 93 and 94, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
- a. All manometer pressures of each of the three headers abated by A-31 or S-24
- <u>b.</u> Date and time when the blower is down and which abating equipment (A-31, closed vent system or S-24) is in operation
- c. Reason why the blower is down

All records shall be retained on-site for at least five years, from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (basis: cumulative Increase)

96. The owner/operator of S3, S5, S6, S7, S8, S12, S13, S25, S26, S27, S28, S31, S37, S38, S-39, S40, S41, S51, S52, S53, S54, S59, S60, S61, S62, S63, S65, S66, S67 and S70 shall not use any P/V valve that leaks total organic compounds in excess of 500 ppmv when the vapor recovery blower is not operating. Any exceedance of this limit will result in a violation, except for P/V valve that is subject to Regulation 8-18 and is already on the non-repairable list. (basis: to allow the use of closed vent system in lieu of A-31 or S-24)

III. MARINE OPERATIONS CONDITIONS-S30, Part 1 through 9, deleted because S30 was not in service since April 5, 2005 (Cumulative Increase)

IV. ODOR REDUCTION MEASURES (Added per AN 14513, 9/95)

Permit for Facility #: A0901

VI. Permit Conditions

*1. The permit holder will maintain water seals, P-traps, caps, covers or equivalent on all process water drains. (1-301)

- *2. The permit holder will implement an Asphalt Tank Truck Dome Inspection Program for all asphalt tank trucks that they load. If a truck enters the facility -with a leaking or malfunctioning dome lid, the permit holder will take the following action.
- *a. First occurrence in rolling twelve month period: the permit holder will orally notify the truck driver and dispatcher of the faulty dome lid, and request that the lid be repaired prior to the truck re-entering the facility.
- *b. Second occurrence in a rolling twelve month period: the permit holder will notify the driver and the trucking company in writing that if the truck enters the facility again with a malfunctioning dome hatch, the permit holder will not load the truck until the hatch has been repaired.
- *c. Third occurrence in a rolling twelve-month period: the permit holder will not load the truck. The permit holder will also notify the driver and dispatcher, verbally and in writing, that the truck will not be loaded until the hatch has been repaired, and the repair has been inspected or repair documentation has been received by the permit holder to ensure that the hatch is in proper working order.
- *The permit holder shall keep records of all inspections and notifications. These records shall be made available to the District upon request. (1-301)
- *3. The permit holder shall provide written notification of the Asphalt Tank Truck Dome Inspection Program to any additional trucking company that may do business with the permit holder in the future, within two weeks of the first asphalt receipt. (1-301)

V. OTHER SOURCES

S24 Hot Oil Heater H-<u>460</u>3; Max Firing Rate 9 MM BTU/hr 1. Respective emissions of nitrogen oxides, and carbon monoxide (CO) from S24 shall not exceed 30 ppm and 50 ppm at 3% O2. (Cumulative Increase)

Permit for Facility #: A0901

VI. Permit Conditions

Condition #18796

For S68 and S71, Emergency Diesel-powered Firewater Pump and Air Compressor

*1. The engine for emergency firewater pump S-68 and the engine for emergency air compressor S71 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. (Basis: Cumulative Increase)

Condition# 19329

For Sources S19, Vacuum Heater; S20, S21, Steam Boilers

Conditions will be imposed on all of the sources in the NOx Compliance Plan to limit the maximum firing rates to the numbers presented in the Plan. For those sources in Phase I, the added condition will read as follows:

*1. The affected sources making up this Alternative Compliance Plan shall not exceed the following maximum hourly firing rates: (Basis: Regulation 2-9-303.4.19, Rule 10, Cumulative Increase)

Valero Refining Company (Plant # 12626)

S-7 Pipestill Hydrofiner Furnace: F-103, 53 MMBtu/Hr

S-20 Naphtha Hydrofiner Furnace: F-104, 62 MMBtu/Hr

S-21 Hydrogen Reforming Furnace: F-301, 614 MMBtu/Hr

S-22 Hydrogen Reforming Furnace: F-351, 614 MMBtu/Hr

S-23 HCU Recycle Gas Furnace: F-401, 200 MMBtu/Hr

S-24 Cat Feed Hydrofiner Treat Gas Furnace: F-601, 33 MMBtu/Hr

S-25 Fluid Catalytic Cracker Unit: F-701, 230 MMBtu/Hr

S-26 Cat Naphtha Hydrofiner Furnace: F-801, 33 MMBtu/Hr

S-30- S-S33 Power former Furnace: F-2901 thru 2904, 463 MMBtu/Hr

S-34 Powerformer Regenerator Furnace: F-2905, 74 MMBtu/Hr

S-35 Powerformer Reactivation Furnace: F-2906, 14 MMBtu/Hr

S-40 Utility Package Boiler: SG-2301, 218 MMBtu/Hr

S-41 Utility Package Boiler: SG-2301, 218 MMBtu/Hr

S-173 Coker Steam Superheat Furnace: F-902, 20 MMBtu/Hr

S-220 MRU Hot Oil Furnace: F-4460, 351 MMBtu/Hr

Valero Asphalt Plant (Plant # <u>4A0901</u>)

S-19 Vacuum Heater: H-1, 40 MMBtu/Hr (from 33 MMBtu/Hr 4/03, AN 7023)

S-20 Steam Boiler: H-2A, 14.7 MMBtu/Hr S-21 Steam Boiler: H-2B, 14.7 MMBtu/Hr

Permit for Facility #: A0901

VI. Permit Conditions

*2. The applicant shall submit quarterly reports and an annual report (July 1 to June 30) of their ACP activity no later than 30 days after the close of the specified period. (Basis: Regulation 2-9-303.3)

- *3. The applicant shall submit all necessary documents to the District to review and approve (or deny) the Alternative Compliance Plan. These documents in support of continuing the ACP shall be submitted no later than 30 days after the close of the calendar year. (Basis: Regulation 2-9-303.3)
- *4. The applicant shall maintain all records required in parts #2 and #3 for a period of at least 5 years from the date of such record. These records shall be made available to District staff upon request. (Basis: Regulation 2-9-303.3)

Condition 20278

For Sources S69, Asphalt Additive Loading Bin, and S70, Asphalt Additive Mixing Tank

- 1. The annual throughput of asphalt (excluding additives) at S-70 shall not exceed 400,000 tons during any consecutive 12-month period. (Basis: Regulation 2-2-212, Cumulative Increase)
- 2. The annual throughput of additives at S-69 shall not exceed 20,000 tons during any consecutive 12-month period. (Basis: Regulation 2-2-212, Cumulative Increase)
- 3. <u>Deleted. Combined with Condition 1240, Part II.32a. Hot Oil Heater (S-24) or the Thermal Oxidizer (A-31) shall abate emissions from S-70 at all times that S-70 is in operation. (Basis: Regulation 2-6-503)</u>
- *4. Visible dust and smoke emissions from S-69 and S-70 shall not result in fallout on adjacent property in such quantities so as to cause a public nuisance as described in Regulation 1-301 (Basis: Regulation 1)
- 5. Deleted 2004 reopening.
- 6. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least 5 years from the date on which a record is made.
 - a. Total daily throughput of modified asphalt at S-70 and additives at S-69
 - b. Deleted 2004 reopening.
 - c. The daily throughput of product shall be totaled on a monthly basis.

201

Permit for Facility #: A0901

VI. Permit Conditions

d. Results of all visible emissions checks and any corrective action (Basis: Regulation 2-6-501)

7. A visible emissions check shall be performed on S69 on an annual basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions the next time that the equipment is operated. If no visible emissions are detected, the operator shall continue to check for visible emissions on an annual basis.

(basis: 2-6-409.2)

Condition 20762

For Refinery and Asphalt Plant:

This condition applies to tanks that are exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to the exemption in Regulation 8-5-117 for storage of organic liquids with a true vapor pressure of less than or equal to 25.8 mm Hg (0.5 psia).

- 1. Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8 Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible. (Basis: Regulation 8-5-117)
- 2. Whenever the type of organic liquid in the tank is changed to a liquid with the true vapor pressure at the storage temperature greater than 25.8 mm Hg (0.5 psia), the owner/operator shall comply with all the requirements of Regulation 8-5 prior to making the change. (Basis: Regulation 8, Rule 5)
- 3. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request. (Basis: 8-5-117)

202

Permit for Facility #: A0901

VI. Permit Conditions

Condition 21233

Valero Refining Company – California 3400 E. Second Street Benicia, Ca 94510 Application 11307 (B2626) Application 11356 (A0901, 13193) S-20 (B2626) Modified by Application 12701 S-19 (A0901) Modified by Application 13011 and 15805 Plant B2626 and A0901 Regulation 9-10 Refinery-Wide Compliance

*1. The following sources are subject to the refinery-wide NOx emission rate and CO concentration limits in Regulation 9-10: (Basis: Regulation 9-10-301 & 305)

Facility No. B2626, Valero Refining Company

<u>S#</u>	<u>Description</u>	NOx CEM
7	F-103 Jet Fuel HF, 53 MMBtu/hr	No
20	F-104 Naphtha HF, 62 MMBtu/hr	No
21	F-301 Hydrogen, 614 MMBtu/hr	Yes
22	F-351 Hydrogen, 614 MMBtu/hr	Yes
23	F-401 Gas Oil HC, 200 MMBtu/hr	Yes
24	F-601 Cat Feed HF, 33 MMBtu/hr	No
25	F-701 Cat Feed, 230 MMBtu/hr	Yes
26	F-801 HCN HF, 33 MMBtu/hr	No
30	F-2901 PFR Preheat, 463 MMBtu/hr total	Yes
31	F-2902 PFR Preheat, 463 MMBtu/hr total	Yes
32	F-2903 PFR Preheat, 463 MMBtu/hr total	Yes
33	F-2904 PFR Preheat, 463 MMBtu/hr total	Yes
34	F-2905 PFR Regen Gas, 74 MMBtu/hr	No
35	F-2906 PFR React Gas, 14 MMBtu/hr	No
40	SG-2301 Steam Gen, 218 MMBtu/hr	Yes
41	SG-2302 Steam Gen, 218 MMBtu/hr	Yes
173	F-902 Coker Steam Superheat, 20 MMBtu/hr	No
220	F-4460 MRU Hot Oil, 351 MMBtu/hr	Yes

Facility No. A0901 (13193), Valero Benicia Asphalt Plant

<u>S#</u>	<u>Description</u>	NOx CEM
19	Vacuum Heater, 40 MMBtu/hr	No
20	Steam Boiler, 14.7 MMBtu/hr	No
21	Steam Boiler H-2B, 14.7 MMBtu/hr	No

A. Compliance with the daily refinery wide average NOx emission limit, 0.033 lb

Permit for Facility #: A0901

VI. Permit Conditions

NOx/MMBtu fired duty is achieved through the use of an approved Alternate Compliance Plan using NOx IERCs in accordance with the provisions in Regulation 2-9-303.

- B. The owner/operator of each source listed in Part 1 above shall determine compliance with Regulation 9-10 as follows:
 - 1) Calculate NOx emissions from each furnace using measured fuel gas rates, and either:
 - a. CEM data or
 - b. NOx emission factors from Part 5A
 - 2) The daily refinery wide average emission rate shall be determined by dividing the combined total emissions from sources listed in Part 1 above by the combined total heat input.
 - 3) Sufficient NOx IERC's will be provided in accordance with the provisions of Regulation 2-9-303 to ensure compliance with the refinery wide average NOx emission limit of 0.033 lb NOx/MMBtu fired duty.
 - *2. The Owner/Operator of each source with a maximum firing rate greater than 25 MMBtu/hr listed in Part 1 shall properly install, properly maintain, and properly operate an O2 monitor and recorder. (Basis: Regulation 9-10-502)
 - *3. The Owner/Operator shall operate each source listed in Part 1, which does not have a NOx CEM, within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 5. The ranges shall be established by utilizing data from District-approved source tests. (Basis: Regulation 9-10-502)
 - A. The NOx Box for units with a maximum firing rate of 25 MMBtu/hr or more shall be established using the procedures in Part 4.
 - B. The NOx Box for units with a maximum firing rate less than 25MMBtu/hr shall be established as follows: High-fire shall be the maximum rated capacity. Low-fire shall be 20% of the maximum rated capacity (except for S-35, for which the low-fire shall be 8% of the maximum rated capacity). There shall be no maximum or minimum O2.
 - *4. The Owner/Operator shall establish the initial NOx box for each source subject to

Permit for Facility #: A0901

VI. Permit Conditions

Part 3 by December 1, 2005. The NOx Box may consist of two operating ranges in order to allow for operating flexibility and to encourage emission minimization during standard operation. (Basis: Regulation 9-10-502) The procedure for establishing the NOx box is

- A. Conduct District approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating ranges for the furnace;
- B. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating ranges (Note that the minimum O_2 at low-fire may be different than the minimum O_2 at high-fire. The same is true for the maximum O_2). The Owner/Operator shall also verify the accuracy of the O2 monitor on an annual basis.
- C. Determine the highest NOx emission factor (lb/MMBtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the Owner/Operator may choose to use a higher NOx emission factor than tested.
- D. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) are the NOx Box, which represents the allowable operating range(s) for the furnace under which the NOx emission factor from part 5a is deemed to be valid.
 - 1). The NOx Box can represent/utilize either one or two emission factors.
 - 2) The NOx Box for each emission factor can be represented either as a 4- or 5-sided polygon The NOx box is the area within the 4- or 5-sided polygon formed by connecting the source test parameters that lie about the perimeter of successful approved source tests. The source test parameters forming the corners of the NOx box are listed in Part 5.
 - E. Upon establishment of each NOx Box, the Owner/Operator shall prepare a graphical representation of the box. The representation shall be made available on-site for APCO review upon request. The box shall also be submitted to the BAAQMD with permit amendments.
- *5. Except as provided in part 5B & C, the Owner/Operator shall operate each source within the NOx Box ranges listed below at all times of operation. This part shall not apply to any source that has a properly operated and properly installed NOx CEM. (Basis: Regulation 9-10-502)
 - A. NOx Box ranges. The limits listed below are based on a calendar day

Permit for Facility #: A0901

VI. Permit Conditions

averaging period for both firing rate and O2%.

Source No.	Emission Factor (lb/MMBt u)	Min O ₂ at Low Firing (O2%, MMBtu/hr)	Max O ₂ at Low Firing (O2%, MMBtu/hr)	Min O ₂ at High Firing (O2%, MMBtu/hr)	Mid O ₂ at Mid/High Firing (polygon) (O2%, MMBtu/hr)	Max O ₂ at High Firing (O2%, MMBtu/hr)
			Plant 12	2626		<u> </u>
7	0.35	3, 16	17, 10	6, 30	N/A	11, 38
20	0.28	2, 19	12, 23	2, 37	2, 50	5, 47
24	0.757	11,7	14, 8	3, 27	6, 12	7, 29
26	0.194	13, 9	17, 7	6, 21	8, 17	12, 24
34	0.250	17, 2	20, 2	4, 26	N/A	7, 38
35	0.200	(Note 1), 1	(Note 1), 1	(Note 1), 14	N/A	(Note 1), 14
173	0.050	(Note 1), 4	(Note 1), 4	(Note 1), 20	N/A	(Note 1), 20
			Plant A0901	(13193)		
S-19	0.030	5.0, 14.29	7.6, 13.5	2.8, 38.5	7.7, 16.6	6.2, 38.8
S-20	0.055	(Note 1), 2.9	(Note 1), 2.9	(Note 1), 14.7	N/A	(Note 1), 14.7
S-21	0.055	(Note 1), 2.9	(Note 1), 2.9	(Note 1), 14.7	N/A	(Note 1), 14.7
		D 4D 0 1			num fining rotes loss th	

Note 1: Per Part 3B, Oxygen limits do not apply to sources with maximum firing rates less than 25 MMBtu/hr.

- B. Part 5A does not apply to low firing rate conditions (i.e., firing rate less than or equal to 20% of the unit's rated capacity), during startup or shutdown periods, or periods of curtailed operation (ex. during heater idling, refractory dry out, etc.) lasting 5 days or less. During these conditions the means for determining compliance with the refinery wide limit shall be accomplished using the method described in 9-10-301.2 (i.e. units out of service & 30-day averaging data).
- C. Part 5A does not apply during any source test required or permitted by this condition. See Part 7 for the consequences of source test results that exceed the emission factors in Part 5.
- *6. NOx Box Deviations (Basis: Regulation 9-10-502).

Permit for Facility #: A0901

VI. Permit Conditions

A. The Owner/Operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the Owner/Operator conducts a District approved source test that reasonably represents the past operation outside of the established ranges. The source test representing the new conditions shall be conducted no later than the next regularly scheduled source test period, or within eight months, whichever is sooner. The source test results will establish whether the source was operating outside of the emission factor utilized for the source. The source test results shall be submitted to the District Source Test Manager within 45 days of the test. The Owner/Operator may request, and the APCO may grant, an extension of 15 days for submittal of results. As necessary, a permit amendment shall be submitted.

1. Source Test ≤ Emission Factor

If the results of this source test do not exceed the higher NOx emission factor in Part 5, or the CO limit in Part 9, the unit will not be considered to be in violation during this period for operating out of the "box."

The facility may submit an accelerated permit program permit application to request an administrative change of the permit condition to adjust the NOx Box operating range(s), based on the new test data.

2. Source Test > Emission Factor

If the results of this source test exceed the permitted emission concentrations or emission rates then the actions described below must be followed:

- a. Utilizing the measured emission concentration or rate, the Owner/Operator shall perform an assessment of compliance with Regulation 9-10-301 as follows:
 - 1. "Out of Box" Condition for the day(s) in which the "out of box" condition(s) occurred, the Owner/Operator shall ensure sufficient NOx IERCs are provided to ensure the facility is in compliance with the refinery wide limit. The Owner/Operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301.
 - 2. Within the Box for the case when the source is operated within the "box" but source test results indicate a higher emission factor, the Owner/Operator shall apply the higher

Permit for Facility #: A0901

VI. Permit Conditions

emission factor retroactively to the date of the previous source test and provide sufficient NOx IERCs for that time period to ensure the facility is in compliance with the refinery wide limit specified in Regulation 9-10-301. The Owner/Operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301.

- b. The facility may submit a permit application to request an alteration of the permit condition to change the NOx emission factor and/or adjust the operating range, based on the new test data.
- B. Reporting. The Owner/Operator must report conditions outside of box within 96 hours of occurrence.
- *7. For each source subject to Part 3, the Owner/Operator shall conduct source tests on the schedule listed below. The source tests are performed in order to measure NOx, CO, and O2 at the as-found firing rate, or at conditions reasonably specified by the APCO. The source test results shall be submitted to the District Source Test Manager within 45 days of the test. The Owner/Operator may request, and the APCO may grant, an extension of 15 days for submittal of results. (Basis: Regulation 9-10-502)

A. Source Testing Schedule

1) Heater < 25 MMBtu/hr

Annual source test. The time interval between source tests shall not exceed 16 months. The source test results shall be submitted to the District Source Test Manager within 45 days of the test.

2) Heaters \geq 25 MMBtu/hr

Two source tests per consecutive 12 month period. The time interval between source tests shall not exceed 8 months and not be less than 5 months apart. The source test results shall be submitted to the District Source Test Manager within 45 days of the test.

Permit for Facility #: A0901

VI. Permit Conditions

3) If a source has been shutdown longer than the period allowed between source testing periods (e.g. <25 MMBtu/hr -> 16 mos or > 25 MMBtu/hr -> 8 mos), the owner/operator shall conduct the required source test within 30 days of start up of the source.

B. Source Test Results > NOx Box Emission Factor

If the results of any source test under this part exceed the permitted concentrations or emission rates the Owner/Operator shall follow the requirements of Part 6A2. If the Owner/Operator chooses not to submit an application to revise the emission factor, the Owner/Operator shall conduct another Part 7 source test, at the same conditions, within 90 days of the initial test.

- *8. For each source listed in Part 1 with a NOx CEM installed that does not have a CO CEM installed pursuant to Part 9, the Owner/Operator shall conduct semi-annual District approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District-conducted NOx CEM field accuracy tests may be substituted for the CO semi-annual source tests. (Basis: Regulation 9-10-502)
- *9. For any source listed in Part 1 with a maximum firing limit greater than 25 MMBtu/hr for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the Owner/Operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO and O2. The Owner/Operator shall install the CEM within the time period allowed in the District's Manual of Procedures. (Basis: Regulation 9-10-502, 1-522)
- *10.In addition to records required by Regulation 9-10-504, the Owner/Operator must maintain records of all source tests conducted to demonstrate compliance with Parts 1 and 5. These records shall be kept on site for at least five years from the date of entry in a District approved log and be made available to District staff upon request. (Basis: Regulation 9-10-504)

209

Condition 22851

S-68, Diesel Firewater Pump Engine

Permit for Facility #: A0901

VI. Permit Conditions

Operating for reliability-related activities is limited to no more than 34 hours per year which
is the number of hours necessary to comply with the testing requirements of the National
Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current
National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and
Maintenance of Water-Based Fire Protection Systems."

[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.3(n)]

- 2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.
 [Basis: BAAQMD Regulation 9-8-330]
- 3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

 [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]
- 4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).

[Basis: BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]

Condition 22928

The following permit condition will apply to S-71:

Valero Benicia Asphalt Plant Plant 13193 S-71, Diesel Emergency Air Compressor, Caterpillar 3054C, 108 BHP,

Permit for Facility #: A0901

VI. Permit Conditions

abated by A-71, Catalyzed Diesel Particulate Filter, CleanAIR Systems

1. The owner or operator shall operate S-71, stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability-related activities is limited to 50 hours per year.

(Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(2)(b) "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)

- 2. The owner/operator shall equip S-71 emergency standby engine(s) with:
- a. a non-resettable totalizing meter, with a minimum display capability of 9,999 hours, that measures the hours of operation for the engine; and
- b. a Diesel particulate filter backpressure monitor that notifies the owner/operator that the backpressure limit of the engine is approached.

(Basis: <u>BAAQMD Regulation 9-8-530</u>, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1) "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations)

- 3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's locations, and made immediately available to the District staff upon request.
- a. Hours of operation (emergency).
- b. Hours of operation (maintenance and testing).
- c. Hours of operation for emission testing to show compliance with emission limits.
- d. Initial Startup hours.
- e. For each emergency, the nature of the emergency condition.
- f. Hours of operation for any use other than those specified in 3a through 3d above.
- g. CARB Certification Executive Order for the engine.

(Basis: <u>BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM"</u>, CA Code of Regulations, Title 17, Section 93115.10(g) "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Regulation 1-441)

211

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), semi-annual (SA), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
ASPHALT PLANT-WIDE APPLICABILITY

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency	Type
NOXNOx	BAAQMD	Y		Emissions of NOX NOx <	BAAQMD	P/SA	Calculations
	Condition			40.047 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a and		
					I.18j		
Ambient	BAAQMD	Y		Ground level SO ₂	BAAQMD	C	SO ₂ GLM
SO_2	9-1-301			concentrations (0.5 ppm for	9-1-501, and		
				3 min; 0.25 ppm for 60	9-1-110		
				min; 0.05 ppm for 24 hr)	BAAQMD		
					Manual of		
					Procedures,		
					Volume VI		
					and SIP		
					Manual of		
					Procedures,		
					Volume VI		
Ambient	BAAQMD	N		Limitations on H ₂ S ground	BAAQMD	С	H ₂ S GLM
H_2S	9-2-301			level concentrations	9-2-501		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A **Applicable Limits and Compliance Monitoring Requirements** ASPHALT PLANT-WIDE APPLICABILITY

			Future		Monitoring		
Type of	Citation of	FE	Effective		Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency	Type
					BAAQMD		
					Manual of		
Ambient					Procedures,		
H2S					Volume VI		
					and SIP		
					Manual of		
					Procedures,		
					Volume VI		
		¥		Refinery MACT Startup,	40-CFR	P/SA	Report
				Shutdown, Malfunction	63.654(h)(1)		
				Report			
		¥		Refinery MACT Periodic	40 CFR	P/SA	Report
				Report	63.654(g)		
Benzene		¥		Benzene Waste NESHAP	40 CFR	P/A	Report
				Annual Report	61.357(d)(2)		
Benzene		¥		Benzene Waste NESHAP	40 CFR	P/Q	Report
				Quarterly Report	61.357(d)(7)		
Benzene	40 CFR	¥		Benzene Waste NESHAP	4 0 CFR	P/Q	Visual
	61.346(b)			quarterly visual inspection	61.346(b)(4)		Inspection
	(1)			of water seals on drains	(i)		
Benzene	40 CFR	¥		Benzene Waste NESHAP	40 CFR	P/Q	Visual
	61.346(b)			quarterly visual inspection	61.346(b)(4)		Inspection
	(2)(i)			of tight seals on junction	(iii)		
				boxes			
Benzene	40 CFR	¥		Benzene Waste NESHAP	4 0 CFR	P/Q	Visual
	61.346(b)			quarterly visual inspection	61.346(b)(4)		Inspection
	(3)			for cracks in exposed sewer	(iv)		
				lines			
SO2	BAAQMD	Y		Emissions of SO2 < 28.049	None	N	N/A
	Condition			tons per year			
	1240, part						
	I.14						
H2S	BAAQMD	N		Recovery of 95% of H2S in	BAAQMD	С	H2S CEM
	9-1-313.2			refinery fuel gas	Condition		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A **Applicable Limits and Compliance Monitoring Requirements** ASPHALT PLANT-WIDE APPLICABILITY

			Future		Monitoring		
Type of	Citation of	FE	Effective		Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency	Туре
					1240, part		
					I.13		
<u>H2S</u>	SIP	Y		Recovery of 95% of H2S in	BAAQMD	C	H2S CEM
	9-1-313.2			refinery fuel gas	Condition		
					1240, part		
					I.13		
Benzene	4 0 CFR 40	Y		Uncontrolled benzene < 6	4 0 CFR 40	P/A	Report
in Waste	CFR, Part			megagrams/year	CFR, Part		
	61.342(e)				61.357(d)(5)		
	(2)(i)						
Benzene	40 CFR40	Y		Visual inspection of	40 CFR <u>40</u>	P/Q	Visual
in Waste	CFR, Part			container covers	CFR, Part		Inspection
	61.345(b)				61.345(b)		
<u>Benzene</u>	40 CFR40	<u>Y</u>		Benzene Waste NESHAP	40 CFR40	P/Q	<u>Visual</u>
	CFR, Part			quarterly visual inspection	CFR, Part		Inspection
	61.346(b)			for cracks in exposed sewer	61.346(b)(4)		
	<u>(3)</u>			lines (applies to naphtha	<u>(iv)</u>		
				tank (S9) fill line and			
				naphtha transfer line to			
				<u>Refinery</u>			
Vapor	BAAQMD	Y		True vapor pressure not	BAAQMD	P/E	Record
Pressure	Regulation			greater than 0.5 psia if tank	Regulation		
	8-5-117			operating in exempt service	8-5-501.1		
	<u>SIP 8-5-117</u>						
Vapor	BAAQMD	Y		True vapor pressure not	BAAQMD	P/E	Record or
Pressure	Condition			greater than 0.5 psia if tank	Condition		Laboratory
	20762, part			operating in exempt service	20762, parts		Sample Test
	1				1 and 3		
Vapor	40 CFR <u>40</u>	Y		True vapor pressure not	None	N	N/A
Pressure	CFR, Part			greater than 0.5 psia if tank			
	60.110b(b)			operating in exempt service			
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A Applicable Limits and Compliance Monitoring Requirements ASPHALT PLANT-WIDE APPLICABILITY

			Future		Monitoring		
Type of	Citation of	FE	Effective		Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency	Туре
	I.14				I.18a, and	1 0	
					I.18j		
VOC	BAAQMD	Y		Tank degassing control	BAAQMD	P/A	Source test
	8-5-328			device standard; includes	8-5-502.2		
	SIP			90% abatement efficiency	SIP		
	8-5-328.1.2			requirement.	8-5-502		
VOC	BAAQMD	N		Controlled WW collection	BAAQMD	P/SA	Method 21
	8-8-312			system components: vapor	8-8-402.4		
				tight	8-8-504		
					8-8-603		
VOC	BAAQMD	N		WW collection system	BAAQMD	Initial	Method 21
	8-8-402.2			components; vapor tight	8-8-402.2	Inspection	
					8-8-504		
					8-8-603		
VOC	BAAQMD	N		Uncontrolled WW	BAAQMD	P/SA	Method 21
	8-8-313.2			collection system	8-8-313.2		
				components; vapor tight	8-8-402.3		
					8-8-504		
					8-8-603		
VOC	BAAQMD	N		Uncontrolled WW	BAAQMD	P/ Reinspect	Method 21
	8-8-313.2			collection system	8-8-313.2	within 30	
				components; not vapor tight		days of	
				on regular semi-annual	8-8-504	discovery	
				inspection	8-8-603	and every 30	
						days until	
						controlled or	
						returned to	
						semi-annual	
						inspection	
MOC	DAAOME	N.T.		What should be a	DAAOMB	schedule	D 1
VOC	BAAQMD	N		Wastewater Inspection and Maintenance Plan Records	BAAQMD	P/E	Records
	8-8-312			iviaintenance Plan Records	8-8-505	Each	
	8-8-313.2					inspection	
	8-8-402.1					and repair	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A **Applicable Limits and Compliance Monitoring Requirements** ASPHALT PLANT-WIDE APPLICABILITY

			Future		Monitoring		
Type of	Citation of	FE	Effective		Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency	Type
<u>VOC</u>	BAAQMD	<u>N</u>		Abatement of emissions	BAAQMD	P/E (prior to	Method 21
	<u>8-10-301</u>			from process vessel	8-10-501 and	opening	and records
				depressurization is required	<u>8-10-503</u>	vessel and	of measured
				until pressure is reduced to		daily during	<u>hydrocarbon</u>
				less than 1000 mm Hg		time vessel	concentratio
						is open to	<u>n emissions</u>
						atmosphere)	and mass
							<u>emission</u>
							calculations.
<u>VOC</u>	SIP	<u>Y</u>		Abatement of emissions	SIP	<u>P/E</u>	Records of
	<u>8-10-301</u>			from process vessel	<u>8-10-401</u>		<u>hydrocarbon</u>
				depressurization is required			concen-
				until pressure is reduced to			tration and
				less than 1000 mm Hg			<u>emissions</u>
<u>VOC</u>	BAAQMD	<u>N</u>		No process vessel may be	<u>BAAQMD</u>	P/E (prior to	Method 21
	<u>8-10-302</u>			opened to atmosphere	8-10-501 and	opening	and records
				unless organic compounds	<u>8-10-503</u>	vessel and	of measured
				have been reduced to less		daily during	<u>hydrocarbon</u>
				than 10,000 ppm (methane).		time vessel	concentratio
				A refinery vessel may		is open to	<u>n emissions</u>
				exceed this limit provided		atmosphere)	and mass
				total number of such vessels			<u>emission</u>
				does not exceed 10% of			<u>calculations.</u>
				total vessel population over			
				5-consecutive year period			
				and total mass organic			
				compound emissions are			
				less than 15 lb/day.			

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII — B
Applicable Limits and Compliance Monitoring Requirements
S1, S2, S4, S23- Crude Storage Tanks
(Deleted in Revision 2. Ownership of S1, S2, S4, and S23 transferred to
Facility B5574 by Application No. 7980/8915)

$\begin{array}{c} Table\ VII-\underline{CB}\\ \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements\\ S3,\ GAS\ OIL\ STORAGE\ TANK,\ TK-\underline{460}1C \end{array}$

Type of	Citation of	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Vapor	BAAQMD	Y		True vapor pressure not	BAAQMD	P/E	Record
Pressure	8-5-117	_		greater than 0.5 psia if tank	<u>8-5-501.1</u>	<u>1712</u>	1100014
	SIP 8-5-117			operating in exempt service			
Vapor	BAAQMD	Y		True vapor pressure not	BAAQMD	P/E	Record or
Pressure	Condition	_		greater than 0.5 psia if tank	Condition		Laboratory
	20762, part			operating in exempt service	20762, parts		Sample Test
	1				1 and 3		
VOC	BAAQMD	Y		Tank degassing control	BAAQMD	P/A	Source test
	8-5-328			device standard; includes	8-5-502.2		
	SIP			90% abatement efficiency	SIP		
	8-5-328.1.2			requirement.	<u>8-5-502</u>		
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18c		
					and I.18j		
<u>VOC</u>	BAAQMD	Y		38,300,000 gallons of gas	BAAQMD	P/M	Records
	Condition			oil must be transferred to	Condition		
	1240, part			S3 every 12-month period	1240, part		
	II.41			before gas oil is stored in a	II.46		
				tank without 98.5% control			
<u>VOC</u>	BAAQMD	Y		Vapor pressure shall not	BAAQMD	P/M	Records
	Condition			exceed 0.5 psia	Condition		
	1240, part				1240, part		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-\underline{CB}$ Applicable Limits and Compliance Monitoring Requirements S3, GAS OIL STORAGE TANK, TK-4601C

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
	II.42				II.46		
<u>VOC</u>	Condition	<u>Y</u>		98.5% destruction of vapors	Condition	<u>C</u>	<u>Temperature</u>
	<u>1240,</u>			whenever petroleum and	1240, II.58b		<u>CPMS</u>
	<u>II.32a</u>			VOC materials stored			
VOC	BAAQMD	¥		98.5% control efficiency	BAAQMD	E	Temperature
	Condition			when vapor recovery	Condition		monitoring
	1240, part			blower is operating	1240, part		
	H.43				H.58b		
	BAAQMD	¥		Fugitive emissions at vapor	BAAQMD 8-	NA	None
	Condition			recovery system (S24 or	18-116		
	1240, part			A31) shall not exceed 100			
	II.44			ppmv			
<u>VOC</u>	Condition	<u>Y</u>		Contain emissions in closed	Condition	<u>P/E</u>	<u>Pressure</u>
	1240, part			vent system whever the	1240, part	(every 8	monitoring
	<u>II.94</u>			vapor recovery blower is	<u>II.94</u>	<u>hours)</u>	whenever
				not operating, as long as no			<u>vapor</u>
				P/V valve is lifting.			recovery
							blower is
							not
							operating
					Condition	<u>P/E</u>	Records
					1240, part		
					<u>II.95</u>		

Table VII - D-<u>C</u>

Applicable Limits and Compliance Monitoring Requirements S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65

-ASPHALT STORAGE TANKS

S37, S38-RUBBERIZED ASPHALT SALES TANKS

VII. Applicable Limits and Compliance Monitoring Requirements

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	<u>N</u> ¥		Ringelmann No. 1 for	BAAQMD	С	Temperature
	6- <u>1-</u> 301			no more than 3	Condition		<u>CPMS</u> monitori
				minutes in any hour	#1240, II.58b		ng
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 1 for	<u>Condition</u>	<u>C</u>	<u>Temperature</u>
	<u>6-301</u>			no more than 3	1240, II.58b		<u>CPMS</u>
				minutes in any hour			
<u>Opacity</u>	40 CFR40	Y		0 percent opacity	40 CFR <u>40</u>	С	Temperature
	CFR, Part			except for one	CFR, Part		<u>CPMS</u> monitori
	60.472(c)			consecutive 15-min	60.473(c)		ng
				period in any 24-hr	60.474(c)(5)		
				period for cleaning	and BAAQMD		
					Condition		
					#1240, II.58b		
FP	BAAQMD	<u>N</u> Y		0.15 gr/dscf	BAAQMD	С	Temperature
	6- <u>1-</u> 310				Condition		<u>CPMS</u> monitori
					#1240, II.58b		ng
<u>FP</u>	SIP	<u>Y</u>		0.15 gr/dscf	Condition	<u>C</u>	Temperature
	<u>6-310</u>				1240, II.58b		<u>CPMS</u>
<u>Vapor</u>	BAAQMD	<u>Y</u>		True vapor pressure	BAAQMD	<u>P/E</u>	Record
Pressure	<u>8-5-117</u>			not greater than 0.5	<u>8-5-501.1</u>		
	SIP			psia if tank operating			
	<u>8-5-117</u>			in exempt service			
Vapor	Condition	<u>Y</u>		True vapor pressure	Condition	P/E	Record or
Pressure	<u>20762,</u>			not greater than 0.5	20762, parts 1		Laboratory
	part 1			psia if tank operating	and 3		Sample Test
				in exempt service			
VOC	BAAQMD	<u>Y</u>		Tank degassing	BAAQMD	P/A	Source test
	8-5-328			control device	8-5-502.2		
	SIP			standard; includes	SIP		
	8-5-328.1.2			90% abatement	<u>8-5-502</u>		
				<u>efficiency</u>			
				requirement.			
VOC	BAAQMD	Y		None	BAAQMD	P/E	Records
	8-15-305				8-15-501		
VOC	BAAQMD	Y		Emissions of NMHC	BAAQMD	P/SA	Calculations
	Condition			< 42.705 tons per	Condition		
	1240, part			year	1240, parts		
	I.14			-	I.18a, I.18c		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D-C Applicable Limits and Compliance Monitoring Requirements S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65 -ASPHALT STORAGE TANKS

S37, S38-RUBBERIZED ASPHALT SALES TANKS

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Zimit	Ziiiiv	2/11	Dute	Zimit	and I.18j	(170/11)	13 pc
VOC	BAAQMD	Y		Vapor pressure may	BAAQMD	P/M	Records
S5, S6,	Condition			not exceed 0.5 psia	Condition	2,2.2	
<u>S7, S8,</u>	#1240,			not eneced one poin	#1240, II.58		
S37, S38,	II.50				<i>"1210, 11.00</i>		
S51, S52,							
S53, S60							
VOC	BAAQMD	<u>Y</u>		Vapor pressure may	BAAQMD	P/M	Records
S61, S62	Condition			not exceed 0.49 psia	Condition		
	<u>#1240,</u>				#1240, II.58		
	<u>II.51</u>						
<u>VOC</u>	<u>BAAQMD</u>	<u>Y</u>		Vapor pressure may	<u>BAAQMD</u>	<u>P/M</u>	Records
<u>865</u>	Condition			not exceed 0.49 psia	Condition		
	<u>#1240,</u>				#1240, II.58		
	<u>II.52</u>						
<u>VOC</u>	Condition	<u>Y</u>		98.5% destruction of	<u>Condition</u>	<u>C</u>	<u>Temperature</u>
	<u>1240,</u>			vapors whenever	<u>1240, part</u>		<u>CPMS</u>
	<u>II.32a</u>			petroleum and VOC	<u>II.58b</u>		
		ı		materials stored			
	BAAQMD	¥		98.5% destruction of	BAAQMD	C	Temperature
	Condition			vapors	Condition		monitoring
	# 1240,				1240, part		
	H.55				H.58b		
<u>VOC</u>	Condition			Contain emissions in	<u>Condition</u>	P/E	<u>Pressure</u>
<u>S5, S6,</u>	1240, part			closed vent system	<u>1240, part</u>	(every 8	monitoring
<u>S7, S8</u>	<u>II.93</u>			whever the vapor	<u>II.93</u>	<u>hours)</u>	<u>whenever</u>
				recovery blower is not			vapor recovery
				operating, as long as			blower is not
				no P/V valve is lifting.			<u>operating</u>
					<u>Condition</u>	<u>P/E</u>	Records
					<u>1240, part</u>		
					<u>II.95</u>		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D-C

Applicable Limits and Compliance Monitoring Requirements S5, S6, S7, S8, S37, S38, S51, S52, S53, S60, S61, S62, S65 -ASPHALT STORAGE TANKS

S37, S38-Rubberized Asphalt Sales Tanks

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition	Y		Contain emissions in	Condition	P/E	Pressure
S37, S38,	1240, part			closed vent system	1240, part	(every 8	monitoring
S51, S52,	<u>II.94</u>			whever the vapor	<u>II.94</u>	hours)	whenever
S53, S60,				recovery blower is not			vapor recovery
S61, S62,				operating, as long as			blower is not
<u>865</u>				no P/V valve is lifting.			operating
					Condition	<u>P/E</u>	Records
					1240, part		
					<u>II.95</u>		
Through-	BAAQMD	Y		6,738,349 barrels/yr	BAAQMD	P/M	Records
put limit	Condition			total for S5, S6, S7,	Condition		
	#1240,			S8, S37, S38, S51,	#1240, II.58		
	II.48			S52, S53, S60, S61,			
				S62, and S65			

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

			Future		Monitoring	Monitoring							
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
BAAQMD													
Regulation	Organic Cor	npoun	ls - STORA	GE OF ORGANIC LIQUI	<u>DS</u>								
<u>8-5</u>	LIMITS AN	LIMITS AND MONITORING FOR INTERNAL FLOATING-ROOF TANKS											
Vapor	BAAQMD	<u>Y</u>		True vapor pressure	BAAQMD	<u>P/E</u>	Look up table						
Pressure	<u>8-5-117</u>				<u>8-5-501.1</u>	initially and	or sample						
	<u>8-5-301</u>					upon change	<u>analysis;</u>						
	SIP					of service	Records						
	<u>8-5-117</u>					OT SCI VICE							

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit		Monitori Requiren Citatio	nent	Monito Freque (P/C/	ency	Monit Ty	_
	8-5-301									.	•
VOC	BAAQMD 8-5-320 SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed coversComplying tank fittings		BAAQM 8-5-402 <u>SIP</u> 8-5-402	3	P/S.	A	Vis	
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1 SIP 8-5-305	Y		Visual inspection of or most seal	<u>iter</u>	BAAQM 8-5-402 SIP 8-5-402	2	P/S.	A	Vis inspec	
VOC	BAAQMD 8-5-320 8-5-321 8-5-321.1 8-5-322.1 SIP 8-5-320 8-5-321	N		Floating roof fittings visual inspection of ou most seal		BAAQM 8-5-402 8-5-402 8-5-411 (optional	. <u>.2</u> . <u>.3</u>	P/Q (opt	ional)	Fitt inspec Vis inspec	etion; ual
VOC	BAAQMD 8-5-321 SIP 8-5-321	Y		Primary rim-seal standards; includes ga criteria	<u>ap</u>	BAAQM 8-5-402		P/10 y interval every ti seal replace	s and ime a is	<u>Se</u> inspe	
VOC	BAAQMD 8-5-322 SIP 8-5-322	Y		Secondary rim-seal standards; includes ga criteria		BAAQM 8-5-402		P/10 year intervals ar every time seal is replaced		<u>Se</u> inspe	
VOC	BAAQM D 8-5- 320.3.1	¥		No gaps > 0.32 cm in gasketed covers, seals, or lids		\$\frac{1}{402.3}	I	P/SA	men vis	usure- nt and sual ection	
	BAAQM D 8-5-	¥		No visible gaps for inaccessible openings		1.402.3	P/SA		Vi	sual ection	

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

			Future			Monitor	onitoring Monito		oring			
Type of	Citation of	FE	Effective			Require	_	Frequ	_	Monitor		
Limit	Limit	Y/N	Date	Limit		Citatio		(P/C	/N)	Туре		
	320.3.2		<u> </u>									
	BAAQM	¥		No gaps > 0.32 cm in	BA	AQMD	Į	P/SA	Mea	asure-		
	Đ			gasketed covers, seals,		5-402.3			mer	nt and		
	8-5-			or lids for solid					visual			
	320.4.2			sampling wells and					insp	ection		
				similar fixed projections								
	BAAQM	¥		gaps between well and	BA	AQMD	P/SA		Mea	asure-		
	Ð			roof < 1.3 cm	8-	5-402.3			mer	nt and		
	8-5-								vi	sual		
	320.4.3								inspection			
VOC	BAAQM	¥		No holes, tears or	BA	AQMD	P/e			ary seal		
	D 8-5-			openings in primary seal	8-	5-402.1	3	years		years i		ection
	321.1			fabric								
VOC	BAAQM	¥		Maximum gap between	BA	AQMD	P/e	very 10	10 Primary sea			
	Đ			shoe and tank shell < 3	8-	5-402.1	3	ears inspec		ection		
	8-5-			in. for a length of 18 in.								
	321.3.1			in vertical plane above								
				liquid surface								
VOC	BAAQM	¥		No gap between tank	BA	AQMD	P/e	very 10	Prima	ary seal		
	Đ			shell and primary seal >	8-	5-402.1	3	'ears	insp	ection		
	8-5-			1.5 in.								
	321.3.2											
	BAAQM	¥		No continuous gap >	BA	AQMD	P/e	very 10	Prima	ary seal		
	Đ			0.125 in shall exceed	8-	5-402.1	3	'ears	insp	ection		
	8-5-			10% of circumference								
	321.3.2			of tank								
	BAAQM	¥		Cumulative length of all	BA	AQMD	P/e	very 10	Prima	ary seal		
	Đ			primary seal gaps > 0.5	8-	5-402.1	3	'ears	insp	ection		
	8-5-			in. < 10% of								
	321.3.2			circumference								
	BAAQM	¥		Cumulative length of all	BA	AQMD	P/e	very 10	Prima	ary seal		
	Đ			primary seal gaps >	8-	5-402.1	3	'ears	insp	ection		
	8-5-			0.125 in. < 40% of								

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

			Future			Monitoring Monito		oring			
Type of	Citation of	FE	Effective			Requirer	nent	Freque	ency	Monit	toring
Limit	Limit	Y/N	Date	Limit		Citatio	n	(P/C	(N)	Ty	pe
	321.3.2			circumference							
	BAAQM	¥		No holes, tears or	BA	AQMD	Ŧ	P/SA	SA Vis		
	D 8-5-			openings in secondary	8-	5-402.2			insp	ection	
	322.1			seal fabric							
	BAAQM	¥		No gap between tank	BA	AQMD	P/E	very 10	Seco	ndary	
	Đ			shell and secondary seal	8-	5-402.1	3	rears	S	eal	
	8-5-322.3			> 0.5 in.					insp	ection	
	BAAQM	¥	(Cumulative length of all	BA	AQMD	P/e	very 10	Seco	ndary	
	Đ			secondary seal gaps >	8-	5-402.1	3	rears	S	eal	
	8-5-322.3,			0.125 in. < 5% of					insp	ection	
	8-5-			circumference,							
	320.4.3			including gaps between							
			:	roof and sampling wells							
VOC	BAAQM	¥		No gap between tank	BA	AQMD	P/every-10		Secondary		
	Đ			shell and secondary seal	8-	5-402.1	3	rears so		eal	
	8-5-322.5			> 0.06 in.					insp	ection	
VOC	BAAQM	¥		Cumulative length of all	BA	AQMD	P/e	very 10	Seco	ndary	
	Đ			secondary seal gaps >	8-	5-402.1	3	rears	S	eal	
	8-5-322.5,			0.02 in. < 5% of					insp	ection	
	8-5-			circumference							
	320.4.3			excluding gaps < 1.79							
				in. from vertical seams							
				and gaps between roof							
				and sampling wells							
<u>VOC</u>	<u>BAAQMD</u>	<u>N</u>		Residual organic		BAAQN		P/each		Meth	
	<u>8-5-328.1</u>			concentration of < 10,0		8-5-328	<u>3.1</u>	emptie		_	able 1
				ppm as methane after degassing	<u>r</u>			degas:		hydrod dete	
				degassing				measure		dete	<u>Ct01</u>
								at 15 m			
								interv			
<u>VOC</u>	BAAQMD	Y		Concentration of organ							able
	<u>SIP</u> 8-5-328.1.2			compounds of < 10,00 ppm as methane after		<u>SIP</u> 8-5-503		emptied & degassed		hydrod	carbon ector
	0-3-328.1.2			degassing	1			uegas	<u>scu</u>	dete	Cioi

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

			Future			Monitori	ng	Monito	ring		
Type of	Citation of	FE	Effective			Requirem	ent	Freque	ency	Monit	oring
Limit	Limit	Y/N	Date	Limit		Citation	n	(P/C/	N)	Ту	pe
VOC		¥		None	B/	AAQMD		P/E Reco		ords of	
						5-501.1		lia		uids	
					Ů	5 501.1		*		ed and	
						TV					
WOO		Y		N		DAAOM	(T)	D/E			. 1
VOC		Y		None		BAAQMD 8-5-501.2		P/E	2	Recor tank	
						8-3-301.	.∠			replac	
VOC	BAAQMD	N		Tank cleaning agents	,	BAAQM	ID	<u>N</u>		San	
<u>voc</u>	8-5-331.1	11		IBP > 302 deg F; or	-	8-5-331		11		anal	_
	0 3 331.1			$\frac{\text{TVP} < 0.5 \text{ psia; or}}{\text{TVP}} = \frac{1000 \text{ psia; or}}{\text{TVP}} = \frac{10000 \text{ psia; or}}{\text{TVP}} = \frac{10000 \text{ psia; or}$		0 3 331	1.1			didi	<u>y 515</u>
				$\frac{1}{\text{VOC}} < 50 \text{ grams/lite}$	r						
NESHAPS	40 CFR 40 C	FR, Pa	rt 63 Subpa	rt CC – NESHAPS for		roleum Refi	ineri	es			
CC and				rt FF – Benzene Waste							
NSPS Kb	40 CFR 40 C	FR, Pa	rt 60 Subpa	rt Kb – NSPS for VOL	Sto	rage Tanks					
	LIMITS AN	D MO	<u>NITORING</u>	FOR INTERNAL FLO)AT	ING ROOI	F TA	<u>NKS</u>			
<u>VOC</u>	<u>63.640</u>	<u>Y</u>		Deck fitting closure		63.640(n)(8),		Prior to		vis	<u>ual</u>
	<u>(n)(1),</u>			standards; includes		61.351,	_		tank,	inspe	ction
	<u>61.351,</u>			gasketed covers		60.113b(a))(1)	each t			
	<u>60.112b</u>					<u>& (a)(4)</u>)	emptie			
	<u>(a)(1)</u>							degassed			
								at least	-		
TIO C	(2, (40	***		D: 1		60 640(-)	(0)	10 y	_		1
<u>VOC</u>	<u>63.640</u>	<u>Y</u>		Primary rim-seal		63.640(n)(Prior		vis	
	(n)(1), 61.351,			standards; no holes o	<u>r</u>	61.351,	_	filling to each to		inspe	ction
	60.113b			<u>tears</u>		60.113b(a) & (a)(4)		emptie			
	(a)(1) &					<u>& (a)(+</u>	1	degassed			
	<u>(4)</u>							at least			
	<u> </u>							10 y			
VOC	63.640	Y		Secondary rim-seal		63.640(n)((8),	Prior		vis	ual
1	(n)(1),	_		standards; no holes o	<u>r</u>	61.351,		filling t		inspe	
	61.351,			tears		60.113b(a)		each t			
	<u>60.113b</u>					& (a)(4))	emptie			
	(a)(1) &							degassed			
	<u>(4)</u>							at least	-		
								<u>10 y</u>			
<u>VOC</u>	63.640	<u>Y</u>		Internal visual inspecti		63.640(n)(<u>P/A</u>	<u>\</u>	vis	
	<u>(n)(1),</u>			from viewports of fixe	<u>ed</u>	61.351,				inspe	ction
	<u>61.351,</u>			<u>roof</u>		<u>60.113b</u>	2				

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

			Future			Monitor	_	Monito			
Type of	Citation of	FE	Effective			Requirer		Freque	•	Monit	
Limit	Limit	Y/N	Date	Limit		Citatio		(P/C/	(P/C/N) Ty		pe
	60.113b					(a)(2))				
<u> </u>	<u>(a)(2)</u>		1	1							
	40 CFR	¥		Repair of defects:		10 CFR		P/E		sual	
	60.113b(a)			detached seal, liquid on	60.	113b(a)(1		efore	insp	ection	
	(1)			roof, holes or tears in)	£	illing			
				seal fabric			¥	essel)			
VOC	40 CFR	¥		Repair of defects:	4	10 CFR		P/A	₩i	sual	
	60.113b(a)			detached seal, liquid on	60.	113b(a)(2			insp	ection	
	(2)			roof, holes or tears in)			•		
				seal fabric		,					
	40 CFR	¥		Repair of defects:	4	10 CFR	P/I	(when	(when Visual		
	60.113b(a)			detached seal, liquid on	60.	113b(a)(4	ŧ	ınk is	inspection		
	(4)			roof, holes or tears in)	emp	emptied and			
				seal fabric			deg	gassed)			
							and	at least			
							ev	ery 10			
								ears			
VOC		Y		NoneRecord of liqui	d	40 CF	R	P/E	E	Recor	rds of
				stored and true vapo	<u>r</u>	63.640(n	<u>)(8),</u>	Upon ch	nange	maxi	mum
				<u>pressure</u>		61.35		of serv	vice	true pr	
						60.116t	(c)			of vo	
										orga liqu	
VOC		<u>Y</u>		Record of each initia	1.	63.640(n)(8).	For each	ı tank	reco	
		_		annual, and 10-year ta		61.35		inspec			
				inspection		60.115b(a)(2)				
<u>VOC</u>		<u>Y</u>		Report of non-compli		63.640(n		Within	<u>130</u>	rep	<u>ort</u>
				annual inspection fo		61.35		days			
DAAOME	DEDIAME C	ONIDE	FLONG	tanks with secondary s	<u>eals</u>	60.115b(a)(4)	inspec	<u>tıon</u>		
BAAQMD Permit	PERMIT CO	UNDI	HUNS								
VOC	BAAQMD	Y		Emissions of NMHC	<	BAAQI	4D	P/S	A	calcul	ations
, 00	Condition	1		42.705 tons per year		Conditi		1,52		Carcui	4110110
	1240, part			1 7		1240, pa					

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>ED</u> Applicable Limits and Compliance Monitoring Requirements S9, NAPHTHA STORAGE TANK, <u>TK-4607</u>

INTERNAL FLOATING ROOF TANK

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	I.14				I.18a, I.18c		
					and I.18j		
	BAAQMD	Y		Vapor pressure shall not	BAAQMD	P/M	Records
	Condition			exceed 11 psia	Condition		
	1240, part				1240, part		
	II.26				II.29		
Through-	BAAQMD	Y		< 24,019,000 gallons in	BAAQMD	P/M	Records
put	Condition			any consecutive 12-month	Condition		
	1240, part			period	1240, part		
	II.28				II.29		

Table VII – FE Applicable Limits and Compliance Monitoring Requirements S12, WASTEWATER TANK S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B) EXEMPT EFFLUENT WASTEWATER TANKS

T 0 0 6	Citation of	FE	Future		Monitoring	Monitorin	Monitonino
Type of	Citation of		Effective		Requireme	g	Monitoring
Limit	Limit	Y /	Date	Limit	nt Citation	Frequency	Type
		N				(P/C/N)	
BAAQMD	Organic Compour	ıds - S	STORAGE	OF ORGANIC LIQUIDS	<u>S</u>		
Regulatio	LIMITS AND MO)NIT(ORING FO	R EXEMPT FIXED ROO	OF TANKS		
<u>n</u>							
<u>8-5</u>							
<u>Vapor</u>	BAAQMD 8-5-	<u>Y</u>		True vapor pressure not	BAAQMD	<u>P/E</u>	Look up table
<u>Pressure</u>	<u>117</u>			greater than 0.5 psia.	Condition	upon change	or sample
	SIP				#20762 <u>,</u>	of service	analysis;
	<u>8-5-117</u>				Parts 1 & 3		Records
	BAAQMD						
	Condition						
	<u>#20762,</u>						
	<u>Part 1</u>						

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – FE Applicable Limits and Compliance Monitoring Requirements S12, WASTEWATER TANK S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B) EXEMPT EFFLUENT WASTEWATER TANKS

Type of Limit NESHAPS CC HAP	Citation of Limit 40 CFR40 CFR, F RECORDKEEPE 63.641		Limit 40 CFR40 CFR, F RECORDKEEPI			Limit CC - NESHAPS for I Retain weight percentage.	Monitor Require nt Citat	eme ion nerie	Monit g Freque (P/C)	ency /N)	Monitoring Type Record
		-		total organic HAP stored liquid for Gro determination.	 (iv)				<u>. </u>		
VOC	40 CFR 61.343(a) (1)(i)(B)	¥	m	Tank openings nintained in closed and sealed position	343(e)]	2/Q	·	isual pection		
VOC	40 CFR 61.349(a) (1)(ii)(B)	¥	Ca	r-sealed valves on bypass lines) CFR -54(f)(1)	ł	P/M	·	isual pection		
	40 CFR 61.349(a) (1)(i)	¥	_	ration with Fugitive issions < 500 ppmv) CFR 355(h)		P/ A		chod 21 exection		
	4 0 CFR 61.349(g)	¥	visi da rep	rst effort to repair ble defects within 5 rys after detection; air complete within 5 days except as lowing by 40 CFR 61.350	OCFR 349(f)	}	2/Q		isual pection		
¥OC	40 CFR 61.349(a) (2)(i)(A)	¥	(b)	95% control y A31 incinerator)) CFR 54(c)(1)		E	me	mper- iture asure- nent		
VOC	40 CFR 61.349(a) (2)(i)(A)	¥	(by	95% control S24 process heater)) CFR 54(e)(4)		€	me	mper- iture asure- nent		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – FE Applicable Limits and Compliance Monitoring Requirements S12, WASTEWATER TANK S12 (TK-4606), S26 (TK-4613), S28 (TK-4611B) EXEMPT EFFLUENT WASTEWATER TANKS

Type of Limit	Citation of Limit	FE Y/ N	Future Effective Date	Limit	Monitoring Requireme nt Citation	Monitorin g Frequency (P/C/N)	Monitoring Type
BAAQMD	PERMIT CONDI	TION	<u>S</u>				
<u>Permit</u>							
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition 1240,			42.705 tons per year	Condition		
	part I.14				1240, parts		
					I.18a, I.18e		
					and I.18j		

Table VII – GF

Applicable Limits and Compliance Monitoring Requirements

S13, KEROSENE TANK<u>, TK-4608</u> #8

S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631

NSPS KB FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/ N	Future Effective Date	Limit	Monitoring Requiremen t Citation	Monitorin g Frequency (P/C/N)	Monitoring Type
BAAQMD							
Regulation	Organic Compou	ınds -	STORAGI	E OF ORGANIC LIQUI	<u>DS</u>		
<u>8-5</u>	LIMITS AND M	ONI	CORING F	OR FLOATING-ROOF	<u> FANKS</u>		
Vapor	BAAQMD 8-5-	<u>Y</u>		True vapor pressure	<u>BAAQMD</u>	P/E	Look up table
<u>Pressure</u>	<u>117</u>				<u>8-5-501.1</u>	initially and	or sample
	8-5-301				<u>SIP</u>	<u>upon</u>	analysis;
	<u>SIP</u> 8-5-117				<u>8-5-501.1</u>	change of	Records
	8-5-301					service	
VOC	BAAQMD	N		Pressure vacuum valve	BAAQMD	P/initial	Records
	<u>8-5-303.1</u>			set to 90% of tank's	<u>8-5-501.4</u>		
				maximum allowable			

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-G\underline{F}$ Applicable Limits and Compliance Monitoring Requirements S13, Kerosene Tank, TK-4608 #8

S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631

NSPS KB FIXED ROOF TANKS

Tomas	Citation of	FE	Future Effective		Monitoring	Monitorin	Manitanina
Type of Limit	Limit	FE Y/	Date	Limit	Requiremen t Citation	g Engguener	Monitoring
Limit	Limit	N N	Date	Limit	t Citation	Frequency (P/C/N)	Туре
		14		working pressure or at		(F/C/N)	
				least 0.5 psig			
<u>VOC</u>	<u>BAAQMD</u>	<u>N</u>		Pressure vacuum valve	BAAQMD	P/SA	Method 21
	<u>8-5-303.2</u>			sealing mechanism must	<u>8-5-403</u>		<u>portable</u>
				be gas-tight: < 500 ppm	<u>8-5-403.1</u>		<u>hydrocarbon</u>
					BAAQMD	P/Q	detector Method 21
				OR	8-5-403	(optional)	portable
				_	8-5-403.1	` •	<u>hydrocarbon</u>
					<u>8-5-411.3</u>		detector
					(optional)		
				Pressure vacuum valve	BAAQMD	<u>P/A</u>	Source test
				sealing mechanism must be vented to abatement	<u>8-5-502.1</u>		(Not required if vented to fuel
				with 95% efficiency			gas)
VOC	BAAQMDSIP	Y		PV valve set pressure	BAAQMD	P/SA	Visual
	8-5-303.1			within 10% of working	SIP		Inspection
				pressure or at least 0.5	8-5-403		
				psig			
<u>VOC</u>	BAAQMDSIP	Y		<u>PV valve</u> gas tight (<	BAAQMD	P/SA	Method 21
	8-5-303.2			500 ppm) except when	SIP		<u>portable</u>
				operating pressure	8-5-403		<u>hydrocarbon</u>
				exceeds the valve set	<u>8-5-503</u>		detector
				pressure	<u>8-5-605</u>		Inspection
<u>VOC</u>	BAAQMD	<u>N</u>		Approved emission	BAAQMD	P/A	Source Test
	<u>8-5-306.1</u>			control system; 95%	<u>8-5-502.1</u>		
				efficiency requirement	<u>8-5-603</u>		
<u>VOC</u>	SIP	<u>Y</u>		Approved emission	SIP	None	Method 21
	<u>8-5-306</u>			control system gas tight:	<u>8-5-503</u>		<u>portable</u>
				< 100 ppm (as methane) above background	<u>8-5-605</u>		hydrocarbon detector
				above background			<u>uetector</u>
VOC	BAAQMDSIP	Y		Control device	BAAQMD	С	Temperature

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-G\underline{F}$ Applicable Limits and Compliance Monitoring Requirements S13, Kerosene Tank, TK-4608 #8

S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Type of Limit	Citation Limit	of	FE Y/ N	Future Effective Date	Limit		Monito Require t Citat	emen	Monit g Freque (P/C)	ency	Monit Ty]	
	8-5-306	<u> </u>	11		standards: 95% coi	ntrol	Condit	ion	(170)	11)	<u>CPMS</u> n	nonitor
	0 3 300	,			of organic vapor		1240, 1				in	
							II.58					
<u>VOC</u>	BAAQMD	8-5-	<u>N</u>		Residual organi	<u>c</u>	BAAQ		P/each		Metho	od 21
	<u>328.1</u>				concentration of	<u>'<</u>	<u>8-5-32</u>	8.1	emptie degas		porta	<u>able</u>
					10,000 ppm as met				4	scu,	hydroc	
					after degassing				consec	<u>utive</u>	detec	<u>ctor</u>
									measu	reme		
									nts at	15		
									minu			
									interv			
VOC	BAAQMD		Y		Concentration of		BAAQ		P/I	7	Porta	
	8-5-328.1	1.2			organic compounds		<u>SIP</u> 8-5	-503			hydroc	
					10,000 ppm as met after degassing						dete	ctor
VOC		¥			None	1	AQMD		P/E	Rec	ords of	
, , ,		-			1,0110		5-501.1		.,		quids	
											ed and	
										4	VPs	
<u>VOC</u>	BAAQM	<u>ID</u>	<u>N</u>		Tank cleaning age	ents	BAAQ	MD	<u>N</u>		Sam	ple
	<u>8-5-331</u> .	<u>.1</u>			IBP > 302 deg F;		8-5-33	<u>1.1</u>			<u>anal</u>	<u>ysis</u>
					$\frac{\text{TVP} < 0.5 \text{ psia;}}{\text{VOC} < 50 \text{ area}}$							
NSPS	40 CFD40 (TFD 1	Dort 6	(A Subport	<u>VOC < 50 grams/</u> Kb – NSPS for VOI		raga Vacc	ole				
<u>Kb</u>					OR CVS & CONTR							
VOC	40 CFF		Y		"No detectable		BAAQ		P/S	A	EPA M	Iethod
	60.112b(a)			emissions," as		Condit	ion			21	1
	(3)(i)				determined by 4	0	1240, լ	oart				
					CFR40 CFR, Pa	<u>rt</u>	II.32	e				
					60.485(b), equivale	nt to						

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-G\underline{F}$ Applicable Limits and Compliance Monitoring Requirements S13, Kerosene Tank, TK-4608 #8

S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631 NSPS KB FIXED ROOF TANKS

Type of Limit	Citation of Limit	FE Y/ N	Future Effective Date	Limit	Monitoring Requiremen t Citation	Monitorin g Frequency (P/C/N)	Monitoring Type
				< 500 ppm			
VOC	40 CFR	Y		Control device	BAAQMD	С	Temperature
	60.112b(a)			standards; 95% control	Condition		<u>CPMS</u> monitor
	(3)(ii)			of inlet VOC	1240, part		ing
					II.58b		
BAAQMD	PERMIT COND	ITIO	NS				
<u>Permit</u>	D			n i i angra	D	7.0	61.1.1
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition 1240,			42.705 tons per year	Condition		
	part I.14				1240, parts		
					I.18a, I.18c		
**************************************	D				and I.18j	70.4	
<u>VOC</u>	BAAQMD	Y		Vapor pressure shall not	BAAQMD	P/A	determi-nation
	Condition 1240,			exceed 1.5 psia	Condition		of vapor
	part II.31				1240, part		pressure
					II.31a		
<u>VOC</u>	BAAQMD	Y		98.5% destruction of	BAAQMD	С	Temperature
	Condition 1240,			vapors whenever	Condition		<u>CPMS</u> monitor
	part II.32a			petroleum and VOC	1240, part		ing
	~			materials are stored	II.58b		
<u>VOC</u>	Condition 1240,	<u>Y</u>		Contain emissions in	Condition	<u>P/E</u>	<u>Pressure</u>
<u>S59</u>	part II.93			<u>closed vent system</u>	1240, part	(every 8	monitoring
				whever the vapor	<u>II.93</u>	<u>hours)</u>	whenever
				recovery blower is not			vapor recovery
				operating, as long as no			blower is not
				P/V valve is lifting.			operating
					Condition	<u>P/E</u>	Records
					1240, part		
					<u>II.95</u>		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-G\underline{F}$ Applicable Limits and Compliance Monitoring Requirements S13, Kerosene Tank, TK-4608 #8

S59, GAS OIL TANK, TK-4605

S63, KERO/LVGO/HVGO/ASPHALT TANK, TK-4631

NSPS KB FIXED ROOF TANKS

Type of	Citation of	FE	Future Effective		Monitoring Requiremen	Monitorin g	Monitoring
Limit	Limit	Υ/	Date	Limit	t Citation	Frequency	Туре
		N				(P/C/N)	
<u>VOC</u>	Condition 1240,	<u>Y</u>		Contain emissions in	Condition	<u>P/D</u>	Records
<u>S13, S63</u>	part II.94			vapor recovery system	1240, part		
				when the vapor	<u>II.94</u>		
				recovery blower is not	Condition	P/E	Records
				operating.	1240, part		
					<u>II.95</u>		
Through-	BAAQMD	Y		< 68,208,000 gallons in	BAAQMD	P/M	Records
put	Condition 1240,			any consecutive 12-	Condition		
	part II.33a			month period for S13,	1240, part		
				S59, and S63 total	II.34		

Table VII – H Applicable Limits and Compliance Monitoring Requirements S14, TRUCK LOADING RACKS, NAPHTHA

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	¥		21 g/cubic meter (0.17	BAAQMD	C	Temperature
	8-6-301			lb/1000 gallons)	Condition		monitoring
					1240, part		
					I.19		
	BAAQMD	¥		21 g/cubic meter (0.17	BAAQMD	E	Temperature
	8-6-304			lb/1000 gallons)	Condition		monitoring
					1240, part		
					I.19		
	BAAQMD	¥		Equipment shall be vapor-	BAAQMD	P/Q	Method 21
	8-6-306			tight: i.e., leaks shall not	Condition		

Facility Name: Valero Benicia Asphalt Plant Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII H **Applicable Limits and Compliance Monitoring Requirements** S14, TRUCK LOADING RACKS, NAPHTHA

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
				exceed 100% of the LEL at	1240, part		
				1 cm	II.59a		
	BAAQMD	¥		Equipment shall be leak-	BAAQMD	P/Q	Inspection
	8-6-306			free: i.e., leak rate shall not	Condition		
				exceed 3 drops/min,	1240, part		
				excluding losses which	II.59b		
				occur upon disconnecting			
				transfer fittings			
	BAAQMD	¥		Leaks during transfer shall	BAAQMD	P/Q	Inspection
	8-6-306			not exceed 10 milliliters	Condition		
				(ml) during a bottom	1240, part		
				loading operation or no	II.59b		
				more than two milliliters			
				(ml) during a top loading			
				operation, averaged over			
				three disconnects.			
VOC	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a,_I.18d		
					and I.18j		
		¥	Within	98.5% destruction of vapors	BAAQMD	C	Temperature
	AAQMD		90 days	by weight	Condition		monitoring
	Condition		of		1240, part		
	#1240, part		issuance		I.19		
	H.60		of Title V				
			permit				
		¥		Vapor pressure < 11 psia	BAAQMD	P/M	Records
	AAQMD				Condition		
	Condition				1240, part		
	#1240, part				H.29		
	II.61a						
Through-		¥		25,749,000 gallons/any	BAAQMD	P/M	records
put limit	AAQMD			eonsecutive 12 months	8-6-501.2		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—H Applicable Limits and Compliance Monitoring Requirements S14, TRUCK LOADING RACKS, NAPHTHA

Type of	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Condition #1240, part H.61b						

Type of	Citation of	FE	Future Effective	** **	Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		21 g/cubic meter (0.17	BAAQMD	С	Temperature
	8-6-301			lb/1000 gallons)	Condition		<u>CPMS</u> monit
					1240, part		oring
					I.19		
<u>VOC</u>	BAAQMD	Y		21 g/cubic meter (0.17	BAAQMD	C	Temperature
	8-6-304			lb/1000 gallons)	Condition		<u>CPMS</u> monit
					1240, part		oring
					I.19		
<u>VOC</u>	BAAQMD	Y		Equipment shall be vapor-	BAAQMD	P/Q	Method 21
	8-6-306			tight: i.e., leaks shall not	Condition		
				exceed 100% of the LEL at	1240, part		
				1 cm	II.62a		
<u>VOC</u>	BAAQMD	Y		Equipment shall be leak-	BAAQMD	P/Q	Inspection
	8-6-306			free: i.e., leak rate shall not	Condition		
				exceed 3 drops/min,	1240, part		
				excluding losses which	II.62b		
				occur upon disconnecting			
				transfer fittings			
<u>VOC</u>	BAAQMD	Y		Leaks during transfer shall	BAAQMD	P/Q	Inspection
	8-6-306			not exceed 10 milliliters	Condition		
				(ml) during a bottom	1240, part		
				loading operation or no	II.62b		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$\begin{tabular}{ll} Table VII-I$\underline{G}\\ Applicable Limits and Compliance Monitoring Requirements\\ S15, TRUCK LOADING RACKS, GAS OIL \\ \end{tabular}$

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
				more than two milliliters (ml) during a top loading operation, averaged over three disconnects.			
<u>VOC</u>	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18d		
					and I.18j		
<u>VOC</u>	BAAQMD	Y		98.5% destruction of vapors	BAAQMD	C	Temperature
	Condition			by weight	Condition		<u>CPMS</u> monit
	#1240, part				1240, part		oring
	II.63				I.19		
VOC	BAAQMD	Y		Vapor pressure < 1.5 psia	None	N	N/A
	Condition						
	#1240, part						
	II.64a						
Through-	BAAQMD	Y		283,011,000 gallons/any	BAAQMD	P/M	Records
put limit	Condition			consecutive 12 months	8-6-501.2		
	#1240, part						
	II.64b						

Table VII – J<u>H</u> Applicable Limits and Compliance Monitoring Requirements S16, TRUCK LOADING RACK, HEAVY VACUUM GAS OIL

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14						

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-J\underline{H}$ Applicable Limits and Compliance Monitoring Requirements S16, TRUCK LOADING RACK, HEAVY VACUUM GAS OIL

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
					I.18a, I.18d		
					and I.18j		
VOC	BAAQMD	Y		Vapor pressure < 0.49 psia	None	N	N/A
	Condition						
	#1240, part						
	II.90						
Through-	BAAQMD	Y		25,749,000 gallons/any	BAAQMD	P/M	Records
put limit	Condition			consecutive 12 months	Condition		
	#1240, part				#1240, part		
	II.91				II.91a		

Table— VII - <u>KI</u> Applicable Limits and Compliance Monitoring Requirements S17, TRUCK LOADING RACKS-ASPHALT

Type of	Citation of	FE Y/N	Future Effective	T ::4	Monitoring Requirement	Monitoring Frequency	Monitoring
-	Limit		Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		None	BAAQMD	P/E	Records
	8-15-305				8-15-501		
<u>VOC</u>	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18d		
					and I.18j		
VOC	BAAQMD	Y		98.5% destruction of vapors	BAAQMD	С	Temperature
	Condition			by weight	Condition		<u>CPMS</u> monit
	#1240, part				1240, part		oring
	II.68				I.19		
<u>VOC</u>	BAAQMD	Y		Vapor pressure < 0.5 psia,	BAAQMD	P/M	Records
	Condition			except allowable kerosene	Condition		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII - KI Applicable Limits and Compliance Monitoring Requirements S17, TRUCK LOADING RACKS-ASPHALT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	#1240, part II.71				#1240, part II.75		
Throughput limit	BAAQMD Condition #1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	BAAQMD Condition #1240, part II.75	P/M	Records
Opacity	BAAQMD 6- <u>1-</u> 301	<u>N</u> ¥		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition 1240, part I.19	С	Temperature <u>CPMS</u> monit oring
Opacity	<u>SIP</u> 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	<u>C</u>	Temperature CPMS
FP	BAAQMD 6- <u>1-</u> 310	<u>N</u> ¥		0.15 gr/dscf	BAAQMD Condition 1240, part I.19	С	Temperature <u>CPMS</u> monit oring
<u>FP</u>	<u>SIP</u> 6-310	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>Condition</u> 1240, II.58b	<u>C</u>	Temperature <u>CPMS</u>
Odor		N			BAAQMD Condition #1240, part IV.2	P/E	Asphalt tank truck dome inspection program

$\begin{array}{c} Table~VII-L\underline{J.1}\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S18,~CRUDE~UNIT \end{array}$

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Citation of I	Limit	FE	Future Effective			Monito Require	_	Monit Frequ	_	Moni	toring
Limit			Y/N	Date	Limit		Citat	ion	(P/C	² /N)	Ту	pe
₩	BAAQMD 8-10-301	N		Ab f depre until	atement of emissions from process vessel essurization is required pressure is reduced to so than 1000 mm Hg	10-5	QMD-8- 01 and 0-503	P/E (poperation of the poperation of the poperat	orior to ning el and during vessel ven to phere)	Meth and re of me hydro conce n emi	ecords asured carbon ntratio ssions mass	
VOC	SIP 8-10-301	¥		depre until	estement of emissions from process vessel essurization is required pressure is reduced to es than 1000 mm Hg		SIP 0-401	P	Æ	Reco hydro con tratic	ations. rds of carbon cen- on and ssions	
VOC	BAAQMD 8-10-302	H		No j of unle have than A exce total doe total 5 ecc an	process vessel may be bened to atmosphere ss organic compounds to be been reduced to less 10,000 ppm (methane). The refinery vessel may be been this limit provided number of such vessels as not exceed 10% of vessel population over prosecutive year period of total mass organic apound emissions are the period of the population of the population of the population over prosecutive year period of total mass organic apound emissions are the period of the population over period of total mass organic apound emissions are the period of t	10-50	QMD-8- 1 and 8- -503	ope vesse daily time is op	orior to ning el and during vessel nen to phere)	Meth and re of me hydro conce n emi	ecords asured earbon ntratio ssions mass ssion ations.	
VOC VOC	BAAQM Condition 1 part I.14 BAAQM Condition #1	240, 1 D 1240,	Y		Emissions of NMH 42.705 tons per year 98.5% destruction of by weight	ear	Condi 1240, I.18a, I and I BAAC Condi	Condition 240, parts 18a, I.18b and I.18j AAQMD P/eve Condition yea				lations
НАР	part I.3 <u>.</u>		Y		Reduce HAPs by 98%	6 or to	1240, I.16l 40 CF	o <u>.1</u>	N	I	Exem	pt from

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$\begin{array}{c} \textbf{Table VII} - \textbf{L} \underline{\textbf{J.1}} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S18, CRUDE UNIT} \end{array}$

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
	<u>Part</u>			20 ppm @ 3% oxygen	CFR, Part		monitoring
	63.643(a)				63.644(a)(3)		
	(2)						
Through-	BAAQMD	Y		5,292,000 barrels/any	BAAQMD	P/M	Records
put limit	Condition #1240,			consecutive 12 months	Condition		
	part I.1				#1240, part		
					I.4		
<u>VOC</u>	BAAQMD	Y		18,000 barrels/any calendar	BAAQMD	P/D	Records
	Condition #1240,			day	Condition		
	part I.2				#1240, part		
					I.4		

Table VII – J.2 Applicable Limits and Compliance Monitoring Requirements S18, CRUDE UNIT APPLIES UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

			<u>Future</u>		Monitoring	Monitoring	
Type of	Citation of	<u>FE</u>	Effective		Requirement	Frequency	Monitoring
<u>Limit</u>	<u>Limit</u>	<u>Y/N</u>	<u>Date</u>	<u>Limit</u>	<u>Citation</u>	<u>(P/C/N)</u>	<u>Type</u>
<u>VOC</u>	Condition	<u>Y</u>		Emissions of NMHC <	Condition	P/SA	Calculations
	1240, part			42.705 tons per year	1240, parts		
	<u>I.14</u>				<u>I.18a, I.18b</u>		
					<u>and I.18j</u>		
Through-	Condition	<u>Y</u>		5,292,000 barrels/any	Condition	P/M	Records
put limit	1240, part			consecutive 12 months	1240, part I.4		
	<u>I.1</u>						
<u>VOC</u>	Condition	<u>Y</u>		18,000 barrels/any calendar	Condition	P/D	Records
	1240, part			<u>day</u>	1240, part I.4		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J.2 Applicable Limits and Compliance Monitoring Requirements S18, CRUDE UNIT APPLIES UPON STARTUP OF THE

ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

			<u>Future</u>		Monitoring	Monitoring	
Type of	Citation of	<u>FE</u>	Effective		Requirement	Frequency	Monitoring
<u>Limit</u>	<u>Limit</u>	<u>Y/N</u>	Date	<u>Limit</u>	Citation	(P/C/N)	Type
	<u>I.2</u>						

Table-VII -- MK.1 Applicable Limits and Compliance Monitoring Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

T. 4		-	Future		Monitoring	Monitoring	
Type of	Citation of Limit	FE	Effective	** •	Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
NOX NOx	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/SA	Source test
	9-10-301			(excluding CO Boilers):	9-10-502 &		
				0.033 lb NOx/ MMBTU,	BAAQMD		
				operating day average	Condition		
				(compliance with the ACP	#21233, part		
				pursuant to BAAQMD	7a.2		
				Regulation 2-9-303 and	(condition		
				condition #19329 is	effective		
				considered compliance with	1/1/05)		
				this limit)			
<u>NOx</u>	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/D	Emission
	9-10-301			(excluding CO Boilers):	9-10-502 &		calculations
				0.033 lb NOx/ MMBTU,	BAAQMD		using
				operating day average	Condition		emission
				(compliance with the ACP	#21233		factors, fuel
				pursuant to BAAQMD	(condition		meter, and O2
				Regulation 2-9-303 and	effective		meter data
				condition #19329 is	1/1/05)		
				considered compliance with			

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1 Applicable Limits and Compliance Monitoring Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

				Future			Monito	oring	Monit	oring		
Type of	Citation of 1	Limit	FE	Effective			Require	ement	Frequ	ency	Moni	toring
Limit			Y/N	Date	Limit		Citat	ion	(P/C	/N)	Ty	ype
					this limit)							
<u>NOx</u>	BAAQM	D	<u>Y</u> N		Refinery-wide emiss	sions	BAAÇ	QMD	P/S	Α	Sour	ce test
	9-10-303	3			(excluding CO boile	ers):	9-10-5	02.1,				
					0.20 lb NOXNOx/MI	Mbtu,	Condi	tion				
					operating day avera	age	#206172	21233				
						1	, part 7a.2					1
	SIP	¥			nery-wide emissions	BA/	AQMD P		SA	Sour	ce test	
	9-10-303			(exc	eluding CO boilers):	9-10)-502.1					
					0 lb NOX/MMbtu,		ndition					
				op	erating day average		1721233					
						•	rt 7a.2					
<u>NOx</u>	BAAQM		Y		25 ppmv (dry, 3% O2	2, one	BAAQN		P/S	A	Sour	ce test
	Condition 1	-			hour average)		10-502					
	part I.8						BAAÇ					
							Condi					
							1240,	_				
NOMBIO	D. 1.01		**		E : : CMOM	0 .	I.16a		D/0		G 1	1
NOX NOx	BAAQM Condition 1		Y		Emissions of NOXN		BAAC		P/S	iΑ	Calcu	lations
	part I.14				40.047 tons per ye	гаг	Condi 1240, 1					
	part 1.12						I.18a, I	-				
							and I.					
O2			Y		No limit		BAAC		C	ı	Ov	ygen
32			1		No mint		Condi	`				lyzer
							1240,				unu	-,1
<u>O2</u>	BAAQM	D	Y		No limit (limit to	be	BAAQ		С	ı,	Ox	ygen
	Condition #2				established by 1/1/		Condi	`				l yzer
	part 5	,			NOx Box ranges for		#21233					CPMS
	•				mid, and high O2 at		2 (conc	_				_
					mid, and high firi		effect	tive				
							1/1/0)5)				
CO	BAAQM	D	N		400 ppmv (dry, 3%	O ₂),	BAAÇ	QMD	P/S	A	Sour	ce test

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1 Applicable Limits and Compliance Monitoring Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

			Future		Monitoring	Monitoring	
Type of	Citation of Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
	9-10-305			operating day average	9-10-502 and		
					BAAQMD		
					Condition		
					21233, part		
					7.a.2		
<u>CO</u>	BAAQMD	Y		50 ppmv (dry, 3% O2) over	BAAQMD	P/SA	Source test
	Condition 1240,			any one-hour period	Condition		
	part I.5b				1240, part		
					I.16a <u>.1</u>		
<u>CO</u>	BAAQMD	Y		1.47 lb/hr over any one-	BAAQMD	P/SA	Source test
	Condition 1240,			hour period	Condition		
	part I.5c				1240, part		
					I.16a <u>.1</u>		
<u>CO</u>	BAAQMD	Y		200 ppmv (dry, 3% O ₂),	BAAQMD	P/SA	Source test
	Condition #21233,			operating day average or	Condition		
	part 9 (condition			installation of a CO CEM	#21233, part		
	effective 1/1/05)				7.a.2		
					(condition		
					effective		
					1/1/05)		
SO2	40 CFR, <u>40 CFR,</u>	Y		Fuel gas H2S concentration	40 CFR <u>40</u>	С	H2S
	<u>Part</u> -60.104(a)			limited to 230 mg/dscm	CFR, Part		analyzer <u>CEM</u>
	(1)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
				burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions			
<u>SO2</u>	BAAQMD	Y		Fuel gas H2S concentration	BAAQMD	С	H2S CEM
	Condition 1240,			limited to 162 ppmv, dry,	Condition		
	part I.11 <u>.a</u>			prior to mixing averaged	1240, part		
				over any consecutive 3-hr	I.13		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1 Applicable Limits and Compliance Monitoring Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				period			
<u>SO2</u>	BAAQMD Condition 1240, part I.12	Y		Fuel gas H2S concentration limited to 10 ppmv, dry, prior to mixing averaged over any consecutive 24-hr period	BAAQMD Condition 1240, part I.13	С	H2S CEM
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6- <u>1-</u> 301	<u>N</u> ¥		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
Opacity	<u>SIP</u> 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6- <u>1-</u> 310.3	<u>N</u> ¥		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	SIP 6-310.3	<u>Y</u>		0.15 grain/dscf @ 6% oxygen	None	<u>N</u>	<u>N/A</u>
VOC	BAAQMD Condition #1240, part I.3 <u>.a</u>	Y		98.5% destruction of vapors by weight	BAAQMD Condition 1240, part I.16b <u>.1</u>	P/every 2 years	Source test
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18f and I.18j	P/SA	Calculations
НАР	40 CFR40 CFR, Part 63.643(a)	Y		Reduce HAPs by 98% or to 20 ppm @ 3% oxygen	40 CFR 40 CFR, Part 63.644(a)(3)	None	Exempt from monitoring

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table– VII – MK.1 Applicable Limits and Compliance Monitoring Requirements S19, VACUUM HEATER

TO BE DELETED UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
	(2)						
Through-	BAAQMD	Y		Maximum heat input to all	BAAQMD	С	Fuel flow
put	Condition 1240,			asphalt plant combustion	Condition		<u>CPMS</u> Fuel
	part I.5			units < 93.6 MMbtu/hr	1240, part I.5		meters
Through-	BAAQMD	Y		Maximum heat input to S19	BAAQMD	С	Fuel
<u>put</u>	Condition 1240,			< 40 MMbtu/hr	9-10-502.2		metersFuel
	part I.5a						flow CPMS
Through-	BAAQMD	Y		Maximum heat input to S19	BAAQMD	С	Fuel flow
put	Condition 19329,			< 40 MMbtu/hr	9-10-502.2		<u>CPMS</u> Fuel
	part 1						meters

<u>Table- VII - K.2</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> <u>S19, VACUUM HEATER</u> <u>APPLIES UPON STARTUP OF THE</u> ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of	Citation of	FE	<u>Future</u> Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	<u>Limit</u>	<u>Y/N</u>	<u>Date</u>	<u>Limit</u>	Citation	(P/C/N)	Type
NOx	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/SA	Source test
	<u>9-10-301</u>			(excluding CO Boilers):	<u>9-10-502 &</u>		
				0.033 lb NOx/ MMBTU,	Condition		
				operating day average	21233, part		
				(compliance with the ACP	<u>7a.2</u>		
				pursuant to BAAQMD			
				Regulation 2-9-303 and			
				condition 19329 is			
				considered compliance with			
				this limit)			

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table-VII - K.2 Applicable Limits and Compliance Monitoring Requirements S19, VACUUM HEATER APPLIES UPON STARTUP OF THE ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/D	Emission
	9-10-301	_		(excluding CO Boilers):	9-10-502 &		calculations
				0.033 lb NOx/ MMBTU,	Condition		using
				operating day average	21233		emission
				(compliance with the ACP			factors, fuel
				pursuant to BAAQMD			meter, and
				Regulation 2-9-303 and			O2 meter
				condition 19329 is			<u>data</u>
				considered compliance with			
				this limit)			
<u>NOx</u>	<u>BAAQMD</u>	<u>Y</u>		Refinery-wide emissions	<u>BAAQMD</u>	P/SA	Source test
	<u>9-10-303</u>			(excluding CO boilers):	<u>9-10-502.1,</u>		
				0.20 lb NOx/MMbtu,	Condition		
				operating day average	21233, part		
					<u>7a.2</u>		
<u>NOx</u>	<u>Condition</u>	<u>Y</u>		25 ppmv (dry, 3% O2, one	9-10-502 and	P/Initial	Source test
	1240, part			hour average)	<u>Condition</u>		
	<u>I.8</u>				1240, part		
					<u>I.16a.2</u>		
<u>NOx</u>	Condition	<u>Y</u>		Emissions of NOs <	Condition	<u>P/SA</u>	Calculations
	1240, part			40.047 tons per year	1240, parts		
	<u>I.14</u>				<u>I.18a, I.18h</u>		
				27 41 11	and I.18j		
<u>O2</u>		<u>Y</u>		<u>No limit</u>	Condition	<u>C</u>	<u>Oxygen</u>
	D 4 4 63 4D	***			1240, I.10		<u>analyzer</u>
<u>O2</u>	BAAQMD	<u>Y</u>		NO De marco Carlo	BAAQMD	<u>C</u>	O2 CDMC
	Condition			NOx Box ranges for low,	Condition #21222 mont		O2 CPMS
	#21233,			mid, and high O2 at low, mid, and high firing	#21233, part		
CO	part 5 BAAQMD	N			<u>2</u>	P/SA	Source test
<u>co</u>	9-10-305	<u>N</u>		$\frac{400 \text{ ppmv (dry, } 3\% \text{ O}_2)}{\text{operating day average}}$	9-10-502 and	1/3A	Source test
	<u>7-10-303</u>			operating day average			
					Condition		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

<u>Table- VII - K.2</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> <u>S19, VACUUM HEATER</u> <u>APPLIES UPON STARTUP OF THE</u> <u>ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)</u>

Type of	Citation of	<u>FE</u>	<u>Future</u> <u>Effective</u>	T ::4	Monitoring Requirement	Monitoring Frequency	Monitoring
<u>Limit</u>	<u>Limit</u>	<u>Y/N</u>	<u>Date</u>	<u>Limit</u>	Citation 21222 port	<u>(P/C/N)</u>	<u>Type</u>
					21233, part 7.a.2		
CO	Condition	<u>Y</u>		50 ppmv (dry, 3% O2) over	Condition	P/Initial	Source test
	1240, part I.5b			any one-hour period	1240, part I.16a.2		
CO	Condition	<u>Y</u>		1.47 lb/hr over any one-	Condition	<u>P/Initial</u>	Source test
	1240, part 1.5c			hour period	1240, part I.16a.2		
CO	Condition	<u>Y</u>		200 ppmv (dry, 3% O ₂),	Condition	P/SA	Source test
	21233, part 9			operating day average or installation of a CO CEM	21233, part		
<u>SO2</u>	<u>S</u> Condition	<u>Y</u>		Emissions of SO2 < 28.049	7.a.2 None	<u>N</u>	N/A
502	1240, part			tons per year	<u>ivone</u>	11	17/11
	<u>I.14</u>						
Opacity	BAAQMD	<u>N</u>		Ringelmann No. 1 for no	<u>None</u>	<u>N</u>	<u>N/A</u>
	<u>6-1-301</u>			more than 3 minutes in any			
				<u>hour</u>			
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 1 for no	<u>None</u>	<u>N</u>	<u>N/A</u>
	<u>6-301</u>			more than 3 minutes in any			
ED	DAAOMD	N		hour 0.15 are in /deef @ 69/	None	N	NI/A
<u>FP</u>	<u>BAAQMD</u> <u>6-1-310.3</u>	<u>N</u>		0.15 grain/dscf @ 6% oxygen	<u>None</u>	<u>N</u>	<u>N/A</u>
<u>FP</u>	SIP 6-	Y		0.15 grain/dscf @, 6%	None	<u>N</u>	N/A
	310.3	_		<u>oxygen</u>		_	
POC	Condition	<u>Y</u>		Emissions of NMHC <	Condition	P/SA	Calculations
	1240, part			42.705 tons per year	1240, parts		
	<u>I.14</u>				<u>I.18a, I.18f</u>		
					and I.18j		
Through-	Condition	<u>Y</u>		Maximum heat input to all	Condition	<u>C</u>	Fuel flow
<u>put</u>	1240, part			asphalt plant combustion	1240, part I.5		<u>CPMS</u>
	<u>I.5</u>			units < 93.6 MMbtu/hr			
Through-	Condition	<u>Y</u>		Maximum heat input to S19	BAAQMD	<u>C</u>	<u>Fuel flow</u>

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

<u>Table- VII - K.2</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> <u>S19, VACUUM HEATER</u> <u>APPLIES UPON STARTUP OF THE</u> <u>ATMOSPHERIC PRD REMOVAL PROJECT (A/N 19193)</u>

Type of Limit	Citation of Limit	<u>FE</u> <u>Y/N</u>	Future Effective Date	<u>Limit</u>	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
put	1240, part 1.5a			< 40 MMbtu/hr	9-10-502.2		<u>CPMS</u>
Through-	Condition 19329, part	<u>Y</u>		Maximum heat input to S19 < 40 MMbtu/hr	BAAQMD 9-10-502.2	<u>C</u>	Fuel flow CPMS

Type of	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOXNOx	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/A	Source test
	9-10-301			(excluding CO Boilers):	9-10-502 and		
				0.033 lb NOx/ MMBTU,	BAAQMD		
				operating day average	Condition		
				(compliance with the ACP	21233, part		
				pursuant to BAAQMD	7.a.1		
				Regulation 2-9-303 and	(condition		
				condition #19329 is	effective		
				considered compliance with	1/1/05)		
				this limit)			
<u>NOx</u>	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/D	Emission
	9-10-301			(excluding CO Boilers):	9-10-502 and		calculations
				0.033 lb NOx/ MMBTU,	BAAQMD		using
				operating day average	Condition		emission
				(compliance with the ACP	21233		factors and
				pursuant to BAAQMD	(condition		fuel meter
				Regulation 2-9-303 and	effective		

Facility Name: Valero Benicia Asphalt Plant Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – NL ${\bf Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements}$ S20, STEAM BOILER

				Future			Monite	oring	Monit	oring		
Type of	Citation of I	Limit	FE	Effective			Require	_	Frequ	_	Moni	toring
Limit	Citation of 2		Y/N	Date	Limit		Citat		(P/C	-		ype
			2/11	2	condition #19329	is	1/1/((270			P
					considered compliance		1,1,	,5)				
					this limit)	. ,, 1011						
NOx	BAAQM	D	<u>Y</u> N		Refinery-wide emiss	ions	BAAQ	OMD	ID P/A		Sour	ce test
	9-10-303				(excluding CO boile		9-10-502.1,					
					0.20 lb NOXNOx/MN	-	Condition					
					operating day avera	ige	21233	part				
							7.a.1					
	SIP	¥		Ref	inery-wide emissions	BA/	AQMD		/A	Sour	ce test	
	9-10-303			(ex	cluding CO boilers):	Cor	ndition					
					20 lb NOX/MMbtu,	2123	33, part					
				op	erating day average	7	'.a.1					
NOX NOx	BAAQM	Ð	Y		Emissions of NOXN	<u>Ox</u> <	BAAÇ	MD P/SA		Calcu	lations	
	Condition 1	240,			40.047 tons per ye	ar	Condition					
	part I.14	1					1240,	parts				
							I.18a,	I.18h				
							and I	.18j				
CO	BAAQM	D	N		400 ppmv (dry, 3% C	₂) on	BAAC	QMD	P/.	A	Sour	ce test
	9-10-30:	5			an operating day ave	rage	9-10-5	02 &				
							BAAC	MD				
							Condi	tion				
							21233.	part				
							7.a					
							(cond					
							effec					
							1/1/(
SO2	BAAQM		Y		Emissions of SO2 < 2	8.049	None		N	I	N	/A
	Condition 1				tons per year							
	part I.14				n: 1 27 : 2							
Opacity	BAAQM		<u>N</u> ¥		Ringelmann No. 1 fo		Noi	ne	N	I	N	//A
	6- <u>1-</u> 301				more than 3 minutes i	-						
	g				hour (gaseous fue							
<u>Opacity</u>	SIP		<u>Y</u>		Ringelmann No. 1 fo		Noi	<u>1e</u>	N	1	N	<u>//A</u>
	<u>6-301</u>				more than 3 minutes i	n any						

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				hour (gaseous fuel)			
FP	BAAQMD 6- <u>1-</u> 310.3	<u>N</u> ¥		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	<u>SIP</u> 6-310.3	<u>Y</u>		0.15 grain/dscf @, 6% oxygen	None	<u>N</u>	<u>N/A</u>
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition 1240,			42.705 tons per year	Condition		
	part I.14				1240, parts		
					I.18a, I.18f		
					and I.18j		
Through-	BAAQMD	Y		Maximum heat input to all	BAAQMD	C	Fuel flow
put	Condition 1240,			asphalt plant combustion	Condition		<u>CPMS</u> Fuel
	part I.5			units < 93.6 MMbtu/hr	1240, part I.5		meters
Through-	BAAQMD	Y		Maximum heat input to S20	BAAQMD	С	Fuel flow
<u>put</u>	Condition 19329,			< 15 MMbtu/hr	9-10-502.2		<u>CPMS</u> Fuel
	part 1						meters

$\begin{array}{c} Table~VII-\Theta\underline{M}\\ \\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ \\ S21, STEAM~BOILER \end{array}$

Type of	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
NOX NOx	BAAQMD	N		Refinery-wide emissions	BAAQMD	P/A	Source test
	9-10-301			(excluding CO Boilers):	9-10-502 and		
				0.033 lb NOx/ MMBTU,	BAAQMD		
				operating day average	Condition		
				(compliance with the ACP	21233, part		
				pursuant to BAAQMD	7.a.1		
				Regulation 2-9-303 and	(condition		
				condition #19329 is	effective		

Facility Name: Valero Benicia Asphalt Plant Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – $\Theta \underline{M}$ Applicable Limits and Compliance Monitoring Requirements S21, STEAM BOILER

				Future			Monite	oring	Monit	oring		
Type of	Citation of 1	Limit	FE	Effective			Require	ement	Frequ	ency	Moni	toring
Limit			Y/N	Date	Limit		Citat	ion	(P/C	² /N)	Ту	pe
					considered compliance	e with	1/1/()5)				
					this limit)							
<u>NOx</u>	BAAQM	D	N		Refinery-wide emiss	ions	BAAQ	QMD	P/.	D	Emi	ssion
	9-10-30	1			(excluding CO Boile	ers):	9-10-50	2 and	d		calcu	lations
					0.033 lb NOx/MMB	TU,	BAAC	MD			us	ing
					operating day avera	age	Condi	tion			emi	ssion
					(compliance with the	ACP	212	33			facto	rs and
					pursuant to BAAQ!	MD	(cond	ition			fuel	meter
					Regulation 2-9-303	and	effec	t ive				
					condition #19329	is	1/1/0)5)				
					considered compliance	e with						
					this limit)							
<u>NOx</u>	BAAQM	D	<u>Y</u> N		Refinery-wide emiss	ions	BAAC	QMD	P/.	A	Sourc	ce test
	9-10-30	3			(excluding CO boile	ers):	9-10-5	02.1,				
					0.20 lb NOXNOx/MN	Mbtu,	Condi	tion				
					operating day avera	age	21233	, part				
		1					7.a.	.1				
	SIP	¥		Refi	nery-wide emissions	BA/	\QMD	P	//A	Sour	ce test	
	9-10-303			(ex	eluding CO boilers):	Cor	idition					
				0.2	20 lb NOX/MMbtu,	2123	33, part					
				op	erating day average	7	.a.1				-	
NOX NOx	BAAQM	Ð	Y		Emissions of NOXN	<u>Ox</u> <	BAAC	MD	P/S	SA	Calcu	lations
	Condition 1	240,			40.047 tons per ye	ar	Condi	tion				
	part I.14	4					1240,	parts				
							I.18a,	I.18h				
							and I	.18j				
CO	BAAQM	D	N		400 ppmv (dry, 3%	O ₂),	BAAÇ	QMD	P/.	A	Sourc	ce test
	9-10-30	5			operating day avera	age	9-10-5	02 &				
							BAAC					
							Condi					
							#21233	, part				
							7.a	.1				
							(cond					
							effec	tive				

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$\begin{array}{c} Table~VII-\Theta\underline{M}\\ \\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ \\ S21,STEAM~BOILER \end{array}$

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					1/1/05)		
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6- <u>1-</u> 301	<u>N</u> ¥		Ringelmann No. 1 for no more than 3 minutes in any hour	None	N	N/A
<u>Opacity</u>	<u>SIP</u> 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	<u>None</u>	N	<u>N/A</u>
FP	BAAQMD 6- <u>1-</u> 310.3	<u>N</u> ¥		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	<u>SIP</u> <u>6-310.3</u>	Y		0.15 grain/dscf @ 6% oxygen	None	<u>N</u>	<u>N/A</u>
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18f and I.18j	P/SA	Calculations
Through- put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	С	Fuel flow CPMS Fuel meters
Through-	BAAQMD Condition 19329, part 1	Y		Maximum heat input to S21 < 15 MMbtu/hr	BAAQMD 9-10-502.2	С	Fuel flow CPMS Fuel meters

 $Table-VII-\underline{NP}$ Applicable Limits and Compliance Monitoring Requirements S24, Hot Oil Heater

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX NOx	BAAQMD	Y		Emissions of NOXNOx <	BAAQMD	P/SA	Calculations
	Condition 1240,			40.047 tons per year	Condition		
	part I.14				1240, parts		
					I.18a, I.18i		
SO2	BAAQMD	Y		Emissions of SO2 < 28.049	and I.18j None	N	N/A
502	Condition 1240, part I.14	Y		tons per year	None	IN	IN/A
Opacity	BAAQMD	<u>N</u> ¥		Ringelmann No. 1 for no	BAAQMD	С	Temperature
	6- <u>1-</u> 301			more than 3 minutes in any	Condition		<u>CPMS</u> monito
				hour (gaseous fuel)	#1240, II.58b		ring
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 1 for no	<u>None</u>	<u>N</u>	<u>N/A</u>
	<u>6-301</u>			more than 3 minutes in any			
				hour (gaseous fuel)			
<u>Opacity</u>	40 CFR40 CFR,	Y		0 percent opacity except for	40 CFR <u>40</u>	С	Temperature
	Part 60.472(c)			one consecutive 15-min	CFR, Part		<u>CPMS</u> monito
				period in any 24-hr period	60.473(c)		ring
				for cleaning	60.474(c)(5) and		
					BAAQMD		
					Condition		
					#1240, II.58b		
FP	BAAQMD	<u>N</u> ¥		0.15 grain/dscf @ 6%	BAAQMD	С	Temperature
	6- <u>1-</u> 310.3			oxygen	Condition		<u>CPMSmonito</u>
	_				#1240, II.58b		ring
FP	SIP	<u>Y</u>		0.15 grain/dscf @ 6%	None	<u>N</u>	N/A
	<u>6-310.3</u>			oxygen			
<u>VOC</u>	BAAQMD	<u>N</u>		95% control of organic	BAAQMD	<u>P/A</u>	Source Test
	<u>8-5-306</u>			vapors (from S13, S59,	<u>8-5-502.1</u>		
				<u>S63)</u>	<u>8-5-603</u>		
VOC	BAAQMD <u>SIP</u>	Y		95% control of organic	BAAQMD	С	Temperature
	8-5-306			vapors (from S13, S59,	Condition		<u>CPMS</u> monito
				S63)	1240, part		ring
					II.58b		
<u>VOC</u>	BAAQMD 8-6-	Y		21 g/cubic meter (0.17	BAAQMD	С	Temperature
	301			lb/1000 gallons)	Condition		<u>CPMS</u> monito
					1240, part		ring
					II.58b		

VII. Applicable Limits and Compliance Monitoring Requirements

Table-VII - NP ${\bf Applicable\ Limits\ and\ Compliance\ \overline{M}onitoring\ Requirements}$ S24, HOT OIL HEATER

				Futumo			Manita	uina	Monit	a ui na		
Type of	Citation of 1	[imit	FE	Future Effective			Monito Require	_	Monit Frequ	_	Moni	toring
Limit	Citation of	Lillit	Y/N	Date	Limit		Citati		(P/C	•		pe
VOC	BAAQMD	8-8-	Y	Date	95% combined colle	ction	BAAQ		(1/0			erature
<u> </u>	301.3 and		1		and destruction effici		Condit			,	_	monito
	8-8-301.				(S66)	iciicy	1240, 1					ng
							II.58	•				0
VOC	BAAQM	D	Y		70% combined colle	ction	BAAQ	MD	<u>C</u>	1	Tempo	<u>erature</u>
	8-8-305.				and destruction effici	iency	Condit	tion		-	_	monito
	SIP				(S27, S67)		<u>1240, part</u>				<u>rii</u>	ng
	<u>8-8-305.</u>	2					<u>II.58</u>	<u> </u>				
<u>VOC</u>	4 0 CFR 40 (CFR.	Y		95% control of orga	anic	BAAQ	MD	C	1	Tempo	erature
	Part 60.112	b(a)			vapors (from S13, S	559,	Condit	tion			<u>CPMS</u>	monito
	(3)(ii)				S63)		1240, j	part			rii	ng
		1				ı	II.58	b				
	40 CFR	¥			eration with Fugitive		CFR	P	/A	Meth	od 21	
	61.349(a)			em	issions < 500 ppmv	61	355(h)			Insp	ection	
	(1)(i)											
	40 CFR	¥			effort to repair visible		CFR	P	/Q		sual	
	61.349(g)			defects within 5 days after		61	349(f)			insp	ection	
					etion; repair complete							
					nin 15 days except as							
VOC	40 CFR	¥			reduction of organic	40	CFR			Т		
700	61.349(a)	-			vors (from S12, S25,		54(c)(4)	•	E		nper- ure	
	(2)(i)(A)			vap	\$28, \$41, \$66)	01.5.) I(c)(I)				sure-	
	(2)(1)(11)				520, 511, 500)						ent	
VOC	BAAQM	D	Y		Emissions of NMH	C <	BAAQ	MD	P/S			lations
	Condition 1				42.705 tons per ye		Condit					
	part I.14	4					1240, p	arts				
							I.18a, I.	.18g				
							and I.	18j				
<u>VOC</u>	BAAQM	Ð	Y		98.5% destruction of	vapors	BAAQ	MD	C		Tempe	erature
	Condition 1	240,			by weight (from S13,	S59,	Condit	tion			<u>CPMS</u>	monito
	parts II.32a	, b, c			S63) whenever petro	<u>leum</u>	1240, լ				rii	ng
					and VOC materials		II.58	b				
					stored or transferr	<u>ed</u>						

VII. Applicable Limits and Compliance Monitoring Requirements

Table-VII - NP ${\bf Applicable\ Limits\ and\ Compliance\ \overline{M}onitoring\ Requirements}$ S24, HOT OIL HEATER

	at it			Future				Monito	_	Monit	_		
Type of	Citation of I	Limit	FE	Effectiv				Require		Frequ	•	Moni	
Limit			Y/N	Date	I	Limit		Citat	ion	(P/C	C/N)	Ty	pe
						S63,			-		-		
OC	AAQMD				gitive emissions	_	AA	QMD	;	A	θ	ne	
	Condition				ecovery system	•	8-1	8-116					
	1240, part			A	31) shall not exc	eed 100							
	H.32d				ppmv								
VOC	BAAQMD	¥			5% destruction	^	BA/	\QMD		C	Temp	erature	
	Condition			by	weight (from S	3) when	Con	dition			moni	toring	
	1240, part			¥	ipor recovery bl	ower is	124	0, part					
	II.43				operating		H	.58b					
	BAAQMD	¥		S	3, Fugitive emis	sions at	BAAG	QMD-8-	P	IA	N	one	
	Condition			vaj	or recovery sys	tem (S24	18	-116					
	1240, part			ө	: A31) shall not	exceed							
	II.44				100 ppmv	:							
	BAAQMD	¥		Se	5, Fugitive emi	ssions at	BAAG	QMD 8-	4	IA	N	one	
	Condition			vaj	or recovery sys	tem (S24	18	-116					
	#1240, part			0	: A31) shall not	exceed							
	H.53				100 ppm								
	BAAQMD	¥		98.	5% destruction	of vapors	BA/	\QMD		C	Temp	erature	
	Condition			by	weight (from S	5-8, S37,	Con	dition			moni	toring	
	#1240, part				S38, S70)		124	0, part					
	H.55						H	.58b					
	BAAQMD	¥		98.	5% destruction	of vapors	BA/	AQMD		C	Temp	erature	
	Condition			by	weight (from S	51-S53,	Con	dition			moni	toring	
	#1240, part				\$60, \$65)		124	0, part					
	II.56						H	.58b					
	BAAQMD	¥		98.	5% destruction	of vapors	BA/	AQMD		C	Temp	erature	
	Condition			by	weight (from S	61, S62)	Con	dition			moni	toring	
	#1240, part						124	0, part					
	II.57						H	.58b					
	BAAQMD	¥		98.	5% destruction	of vapors	BA/	\QMD		C	Temp	erature	
	Condition				by weight (fron	1 S54)	Con	dition				toring	
	#1240, part						124	0, part					
	H.70						H	.58b					
VOC	BAAQMD	¥		98.	5% destruction	of vapors	BA/	AQMD		C	Temp	erature]

VII. Applicable Limits and Compliance Monitoring Requirements

Table-VII - NP **Applicable Limits and Compliance Monitoring Requirements** S24, HOT OIL HEATER

Type of	Citation of 1	Limit	FE		ture ctive			Monito Require		Monit Frequ		Moni	toring
Limit		T	Y/N	Da	ate	Limit		Citat	ion	(P/C	/N)	Ту	pe
	Condition				by	weight (from S66)	Cor	idition			moni	toring	
	1240, part						124	0, part					
	II.85						H	.58b					
					_	S66,							
	AAQMD				Fugiti	ive emissions at vapor	AA	QMD	-	A	Ð	ne	
	Condition				rece	very system (S24 or	8-1	8-116	-				
	1240, part				A31)	shall not exceed 100							
	II.86					ppm							
Through-	BAAQM	Ð	Y			Maximum heat input	to all	BAAÇ	MD	P/1	D	PG&	E fuel
put	Condition 1	240,				asphalt plant combus	stion	Condi	tion			me	eter
	part I.5					units < 93.6 MMbt	ı/hr	1240, pa	art I.5				
Temper-	4 0 CFR 40 (CFR.	Y			1115° F Operation	g	4 0 CF	R 40	C	:	Tempo	erature
ature limit	Part 60.113	b(c)				Temperature when	in	CFR,	<u>Part</u>			<u>CPMS</u>	monito
	(1)(ii) & (c	(2)				abatement servic	e	60.112	2b(c)			rii	ng
								(c)(2)				
Temper-	40 CFR <u>40 C</u>	CFR,	Y			1115° F Operation	g	40 CF	R 40	C	;	Tempo	erature
ature limit	Part 60.473	3(c)				Temperature when	in	CFR,	<u>Part</u>			<u>CPMS</u>	monito
						abatement servic	e	60.47	3(c)			rii	ng
	40 CFR	¥	2		1	115 ⁺ F Operating	40	CFR	4	C	Temp	erature	
	61.357(d)				Te	mperature when in	61.35	54(c)(4)			moni	toring	
	(7)(iv)(C)				a	batement service							
Temper-	BAAQM	Ð	Y			1115° F Operatin	g	BAAÇ	MD	C	;	Tempo	erature
ature limit	Condition 1	240,				Temperature when	in	Condi	tion			<u>CPMS</u>	monito
	part II.58	3b				abatement servic	e	1240,	part			rii	ng
								II.58	3b				

256

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—Q Applicable Limits and Compliance Monitoring Requirements S25, S28, EFFLUENT WATER FEED TANKS

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	40 CFR	¥		Tank openings maintained	40 CFR	P/Q	Visual
	61.343(a)			in closed and sealed	61.343(c)		inspection
	(1)(i)(B)			position			
	40 CFR	¥		Operation with Fugitive	40 CFR	P/A	Method 21
	61.349(a)			emissions < 500 ppmv	61.355(h)		Inspection
	(1)(i)						
	40 CFR	¥		First effort to repair visible	40 CFR	P/Q	Visual
	61.349(g)			defects within 5 days after	61.349(f)		inspection
				detection; repair complete			
				within 15 days except as			
				allowing by 40 CFR 61.350			
	40 CFR	¥		Car-sealed valves on bypass	4 0 CFR	P/M	Visual
	61.349(a)			lines	61.354(f)(1)		inspection
	(1)(ii)(B)						
VOC	40 CFR	¥		95% control	40 CFR	E	Temper-
	61.349(a)				61.354(c)(1),		ature
	(2)(i)(A)				61.354(c)(4)		measure-
							ment
VOC	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18e		
					and I.18j		

Table VII—R

Applicable Limits and Compliance Monitoring Requirements

\$26, WASTEWATER TANK, ABATED BY PV VALVES

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Benzene	40 CFR 61	¥		Uncontrolled benzene < 6	40 CFR 61	P/A	Report

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII R **Applicable Limits and Compliance Monitoring Requirements** S26, WASTEWATER TANK, ABATED BY PV VALVES

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
in Waste	61.342(e)			megagrams/year	61.357(d)(5)		
	(2)(i)						
VOC	40 CFR	¥		First effort to repair visible	40 CFR	P/Q	Visual
	61.349(g)			defects within 5 days after	61.349(f)		inspection
				detection; repair complete			
				within 15 days except as			
				allowing by 40 CFR 61.350			
VOC	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18e		
					and I.18j		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - SO

Applicable Limits and Compliance Monitoring Requirements

S27, RECOVERED OIL TANK -TK-4612A (FOR S66)

S67, RECOVERED OIL TANK -TK-4612B (FOR S41)

ABATED BY PV VALVEA31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY

				Future			Monito	oring	Moni	torin		
Type of	Citation of 1	Limit	FE	Effectiv			Requir		g			toring
Limit			Y/N	e Date	Limit		nt Cita	ation	Frequ	-	Ту	pe
									(P/C			
<u>VOC</u>	BAAQMD	8-8-	<u>Y</u>		Vapor tight gauging		BAAC		<u>N</u>	[od 21
	<u>303</u>				sampling device	<u>s</u>	8-8-5					able
							8-8-6				-	<u>carbon</u>
							SIP 8-8				dete	ector_
<u>VOC</u>	BAAQM	<u>ID</u>	<u>Y</u>		Combined		BAAC	<u>MD</u>	<u>C</u>	1 <u>-</u>	Temp	erature
	<u>8-8-305</u> .	.2			collection/destruct	<u>ion</u>	Condi	tion			monit	oring T
	SIP				efficiency of 70%	<u>by</u>	<u>1240,</u>	<u>part</u>			empe	<u>rature</u>
	<u>8-8-305</u> .	.2			<u>weight</u>	1	<u>II.58</u>	<u>8b</u>		-	<u>CP</u>	MS
VOC	BAAQMD	¥		PV	valve set pressure	BA/	\QMD	<u>P/</u>	SA	Inspe	ection	
	8-5-303.1			with	nin 10% of working	8-5	5-403					
				pres	ssure or at least 0.5							
					psig							
	BAAQMD	¥		gas	tight (< 500 ppm)	BA/	\QMD	P/SA		Inspe	ection	
	8-5-303.2			exe	ept when operating	8-5-403						
				pro	essure exceeds the							
				¥	alve set pressure							
VOC		¥			None	BA/	\QMD	P	Æ	Reco	rds of	
						8-5-	501.1			liq	uids	
										store	d and	
										Ŧ	/Ps	
Benzene	40 CFR 61	¥		Unco	ntrolled benzene < 6	4 0 C	FR 61	P	/A	Re	port	
in Waste	61.342(e)			1	negagrams/year	61.35	57(d)(5)					
	(2)(i)											
VOC	40 CFR	¥		Fi	rst effort to repair	40	CFR	P	Q	Vi	sual	
	61.349(g)			visil	ble defects within 5	61	349(f)			inspe	ection	
				da	ys after detection;							
				repai	r complete within 15							
				days	except as allowing							
				b	y 40 CFR 61.350							
VOC	BAAQM	HD	Y		Emissions of NMH	IC <	BAAÇ	MD	P/SA		Calcu	lations

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>SO</u>

Applicable Limits and Compliance Monitoring Requirements S27, RECOVERED OIL TANK -TK-4612A (FOR S66)

S67, RECOVERED OIL TANK -TK-4612B (FOR S41)

ABATED BY PV VALVEA31 AND/OR S24 VIA S66 AND S41, RESPECTIVELY

Type of Limit	Citation of Limit	FE Y/N	Future Effectiv e Date	Limit	Monitoring Requireme nt Citation	Monitorin g Frequency (P/C/N)	Monitoring Type
	Condition 1240,			42.705 tons per year	Condition		
	part I.14				1240, parts		
					I.18a, I.18e		
					and I.18j		

Table VII – VP Applicable Limits and Compliance Monitoring Requirements S31, RAIL CAR GGAS OIL AND ASPHALT LOADING RACK

Type of Limit	Citation of Limit	FE Y/N	Future Effectiv e Date	Limit	Monitoring Requireme nt Citation	Monitorin g Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD	Y		0.17 pounds per 1,000	BAAQMD	С	Temperature
	8-6-301			gallons loaded	Condition		monitoring T
					1240, part		emperature
					II.58b		<u>CPMS</u>
<u>VOC</u>	BAAQMD 8-6-	Y		Equipment shall be	BAAQMD	P/Q	Method 21
	306			vapor-tight: i.e., leaks	Condition		
				shall not exceed 100% of	1240, part		
				the LEL at 1 cm	II.72a		
<u>VOC</u>	BAAQMD 8-6-	Y		Equipment shall be leak-	BAAQMD	P/Q	Inspection
	306			free: i.e., leak rate shall	Condition		
				not exceed 3 drops/min,	1240, part		
				excluding losses which	II.72b		
				occur upon disconnecting			
				transfer fittings			
<u>VOC</u>	BAAQMD 8-6-	Y		Leaks during transfer	BAAQMD	P/Q	Inspection

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>VP</u> Applicable Limits and Compliance Monitoring Requirements S31, RAIL CAR <u>G</u>GAS OIL AND ASPHALT LOADING RACK

Type of	Citation of Limit	FE	Future Effectiv			Monitori Require	_	Monit		Monit	toring
Limit		Y/N	e Date	Limit		nt Citati	ion	Frequ (P/C	-	Ту	ре
	306			shall not exceed milliliters (ml) duri bottom loading oper or no more than to milliliters (ml) duri top loading operat averaged over the disconnects.	ing a ration wo	Condition 1240, par II.72b	art				
VOC	BAAQMD 8-15-305	Y		None		BAAQM 8-15-50		P/1	Е	Rec	ords
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMH 42.705 tons per y		BAAQM Condition 1240, pa I.18a, I.1 and I.18	on erts 8d	P/S	Α	Calcul	lations
VOC	Condition 1240, part II.32a	Y		98.5% control effici when S31 whenev petroleum and V0 materials are transfe	ver OC	Condition 1240, par II.58b	on art	<u>C</u>		Tempe CP	erature MS
VOC	Condition 1240, part II.94	Y		Contain emissions closed vent syste whever the vapor recovery blower is operating, as long a P/V valve is lifting	s in em or not as no	Condition 1240, pa 11.94 Condition 1240, pa 11.95	art on	P/I	ry 8 rs)	monite where val reco blowere	never por very r is not
	BAAQMD Y Condition 1240, part H.69		98.5	 % control efficiency	Con 124	AQMD adition 0, part	((1)	•	e toring	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – <u>VP</u> Applicable Limits and Compliance Monitoring Requirements S31, RAIL CAR <u>G</u>GAS OIL AND ASPHALT LOADING RACK

Type of Limit	Citation of Limit	FE Y/N	Future Effectiv e Date	Limit	Monitoring Requireme nt Citation	Monitorin g Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition #1240, part II.72	Y		Vapor pressure < 1.5 psia	BAAQMD Condition #1240, part II.75	P/M	records
<u>Vapor</u> <u>pressure</u>	BAAQMD Condition #1240, part II.73	Y		Vapor pressure of asphalt or asphalt containing materials < 0.5 psia	BAAQMD Condition #1240, part II.75	P/M	Records
Opacity	BAAQMD 6- <u>1-</u> 301	<u>N</u> ¥		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition #1240, II.58b	С	Temperature monitoringT emperature CPMS
Opacity	<u>SIP</u> 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any our	Condition 1240, II.58b	<u>C</u>	Temperature CPMS
FP	BAAQMD 6- <u>1-</u> 310	<u>N</u> ¥		0.15 gr/dscf	BAAQMD Condition #1240, II.58b	С	Temperature monitoringT emperature CPMS
<u>FP</u>	<u>SIP</u> 6-310	Y		0.15 gr/dscf	Condition 1240, II.58b	<u>C</u>	Temperature CPMS
Through- put limit	BAAQMD Condition #1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	BAAQMD Condition #1240, part II.75	P/M	Records

$\begin{array}{c} Table~VII- {\hbox{W}\underline{\bf Q}}\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S34, Tank~Heater \end{array}$

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX NOx	BAAQMD Condition	Y		Emissions of NOXNOx < 40.047 tons per year	BAAQMD Condition	P/SA	Calculations
	1240, part I.14				1240, parts I.18a, I.18i and I.18j		
VOC	BAAQMD Condition 1240, part I.14	Y		Emissions of NMHC < 42.705 tons per year	BAAQMD Condition 1240, parts I.18a, I.18g and I.18j	P/SA	Calculations
SO2	BAAQMD Condition 1240, part I.14	Y		Emissions of SO2 < 28.049 tons per year	None	N	N/A
Opacity	BAAQMD 6- <u>1-</u> 301	<u>N</u> ¥		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	None	N	N/A
<u>Opacity</u>	<u>SIP</u> 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour (gaseous fuel)	<u>None</u>	<u>N</u>	<u>N/A</u>
FP	BAAQMD 6- <u>1-</u> 310.3	<u>N</u> ¥		0.15 grain/dscf @ 6% oxygen	None	N	N/A
<u>FP</u>	<u>SIP</u> 6-310.3	Y		0.15 grain/dscf@6% oxygen	None	<u>N</u>	<u>N/A</u>
Through- put	BAAQMD Condition 1240, part I.5	Y		Maximum heat input to all asphalt plant combustion units < 93.6 MMbtu/hr	BAAQMD Condition 1240, part I.5	P/D	PG&E fuel meter

Table VII - X **Applicable Limits and Compliance Monitoring Requirements** S39, LUBE OIL TANK

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - X Applicable Limits and Compliance Monitoring Requirements \$39, Lube Oil Tank

Type of	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 1240, part L14	¥		Emissions of NMHC < 42.705 tons per year	None	Ą	N/A
HAP	40 CFR 63.641	¥		Retain weight percent total organic HAP in liquid stored for Group 2 determination	40 CFR 63.654(i)(1) (iv)	P/E	Records

Table VII - Y
Applicable Limits and Compliance Monitoring Requirements
\$40, LATEX STORAGE TANK

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	¥		Emissions of NMHC <	None	N	N/A
	Condition			42.705 tons per year			
	1240, part						
	I.14						
HAP	40 CFR	¥		Retain weight percent total	40 CFR	P/E	Records
	63.641			organic HAP in liquid	63.654(i)(1)		
				stored for Group 2	(iv)		
				determination			

VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Citation of 1	Limit	FE	Future Effectiv		Monito Require	_	Monit Frequ	_	Moni	toring
Limit			Y/N	Date	Limit	Citat	ion	(P/C	/N)	Ty	pe
	0 CFR 61.347			-	O/W Separator fittings leak ≤ 500 ppm	CFR 355(h)	P	/A		ection	
	a)(1)(i)(A)										
	40 CFR 61.347(b)	¥		ec	eracks or gaps between over and O/W separator rall; access hatches and her openings closed and	CFR 347(b)	P	/Q		sual ection	
					gasketed properly						
	4 0 CFR 61.349(a)	¥		Car	-sealed valves on bypass lines	CFR 54(f)(1)	₽,	M		sual ection	
	(1)(ii)(B) 40 CFR 61.349(a) (2)(i)(A)	¥			95% control (by A31)				at mea	nper- ure sure-	
	40 CFR 61.349(a) (2)(i)(A)	¥			95% control (by S24)	-CFR 54(e)(4)		G	Ten at mea	nper- ure sure- ent	
	40 CFR 61.349(a) (1)(i)	¥			peration with Fugitive emissions < 500 ppmv	-CFR 355(h)	P	/A		ection	
	40 CFR 61.349(g)	¥		de de w	st effort to repair visible feets within 5 days after tection; repair complete ithin 15 days except as owing by 40 CFR 61.350	CFR 349(f)	P	/Q		sual ection	
VOC	BAAQMD 303	8-8-	Y		Vapor tight gauging sampling device	 8-8-5 8-8-6 SIP 8-8	5 <u>04</u> 5 <u>03</u>	N	I	por hydro	table carbon ector
VOC	BAAQM Condition 1 part I.14	240,	Y		Emissions of NMH 42.705 tons per y	BAAC Condi 1240, I.18a, and I	ottion parts	P/S	SA		lations

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII - \underline{\textbf{ZR}}$ Applicable Limits and Compliance Monitoring Requirements $S41, Wemco\ Hydrocleaner$

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	Condition 1240, parts II.32a	Y		98.5% destruction of vapors by weight whenever petroleum and VOC materials are stored or transferred	Condition 1240, part II.58b	C	Temperature CPMS
Through- put	BAAQMD Condition 1240, part II.92	Y		77,263,000 gallons per year	BAAQMD Condition 1240, part II.92a	P/M	Records
VOC	Condition 1240, part II.93	Y		Contain emissions in closed vent system whever the vapor recovery blower is not operating, as long as no P/V valve is lifting.	Condition 1240, part II.93 Condition 1240, part II.95	P/E (every 8 hours)	Pressure monitoring whenever vapor recovery blower is not operating Records

Table VII—AA Applicable Limits and Compliance Monitoring Requirements \$51, \$52, \$53, \$60, \$ALES TANKS-ASPHALT

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	¥		Ringelmann No. 1 for no	BAAQMD	C	Temperature
	6-301			more than 3 minutes in any	Condition		monitoring
				hour	#1240, II.58b		
	40 CFR	¥		0 percent opacity except for	40 CFR	E	Temperature
	60.472(c)			one consecutive 15-min	60.473(c) and		monitoring

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII—AA Applicable Limits and Compliance Monitoring Requirements \$51, \$52, \$53, \$60, \$ALES TANKS-ASPHALT\$

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
				period in any 24-hr period	BAAQMD		
				for clearing	Condition		
					#1240, II.58b		
FP	BAAQMD	¥		0.15 gr/dsef	BAAQMD	E	Temperature
	6-310				Condition		monitoring
					#1240, II.58b		
VOC	BAAQMD			None	BAAQMD	P/E	Records
	8-15-305				8-15-501		
	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18c		
					and I.18j		
	BAAQMD	¥		Vapor pressure may not	BAAQMD	P/M	Records
	Condition			exceed 0.50 psia	Condition		
	#1240, part				#1240, II.58		
	II.50						
	BAAQMD	¥		98.5% destruction of vapors	BAAQMD	E	Temperature
	Condition				Condition		monitoring
	#1240, part				1240, part		
	II.56				H.58b		
Through-	BAAQMD	¥		6,738,349 barrels/yr total	BAAQMD	P/M	Records
put limit	Condition			for S5, S6, S7, S8, S37,	Condition		
	#1240, part			\$38, \$51, \$52, \$53, \$60,	#1240, II.58		
	II.48			S61, S62, and S65			

 $\begin{tabular}{ll} Table \ VII-AB\underline{S} \\ Applicable \ Limits \ and \ Compliance \ Monitoring \ Requirements \\ S54, ASPHALT \ LOADING \ RACK \\ \end{tabular}$

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of 1	Limit	FE Y/N	Future Effective Date	Limit		Monitor Requirer Citatio	nent	Monitor Freque	ency		toring pe
VOC	BAAQM 8-15-30				None		BAAQN 8-15-50		P/]	E	Rec	ords
VOC	BAAQM Condition 1 part I.14	D 240,	Y		Emissions of NMHe 42.705 tons per ye		BAAQN Conditi 1240, pa I.18a, I. and I.1	on arts	P/S	A	calcul	ations
VOC	Condition 1 parts II.3		Y		98.5% destruction of volume by weight whenever petroleum and VO materials are stored transferred	<u>ver</u> OC	Conditi 1240, p II.58b	on art	C		_	<u>MS</u>
	BAAQMD Condition #1240, part II.70	¥		98.5%	destruction of vapors by weight	Con 124	AQMD adition 0, part	4	E	_	erature toring	
VOC	BAAQM Condition #. part II.7	1240,	Y		Vapor pressure < 0.5 except allowable kero	^	BAAQN Conditi #1240, p	on	P/N	M	reco	ords
VOC	Condition 1 part II.9		Y		Contain emissions in overt system whever vapor recovery blow not operating, as long P/V valve is lifting	the er is as no	Conditi 1240, p II.94	art	P/I (ever hou	ry 8	moni: when val reco blowe:	toring never por very r is not ating
							Conditi 1240, p II.95	<u>art</u>	<u>P/</u>	<u>E</u>		<u>ords</u>
Opacity	BAAQMD 301	6- <u>1-</u>	<u>N</u> ¥		Ringelmann No. 1 for more than 3 minutes in hour		BAAQN Conditi #1240, p	on part	C		monite mper	erature oringTe rature MS
<u>Opacity</u>	<u>SIP</u> 6-301		Y		Ringelmann No. 1 for more than 3 minutes in hour		Conditi 1240, II.	on	C	1 <u>'</u>	Tempo	erature MS
FP	BAAQMD	6- <u>1-</u>	<u>N</u> ¥		0.15 gr/dscf		BAAQN	√ID	C	;	Tempo	erature

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$\begin{tabular}{ll} Table~VII-AB\underline{S}\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S54, ASPHALT~LOADING~RACK\\ \end{tabular}$

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	310				Condition #1240, part II.58b		monitoring Te mperature CPMS
<u>FP</u>	<u>SIP</u> 6-310	Y		0.15 gr/dscf	Condition 1240, part II.58b	<u>C</u>	Temperature CPMS
Through- put limit	BAAQMD Condition #1240, part II.74	Y		283,011,000 gallons/any consecutive 12 months for S17, S31, and S54 combined	BAAQMD Condition #1240, part II.75	P/M	Records
Odor				None	BAAQMD Condition #1240, part IV.2	P/E	Asphalt tank truck dome inspection program

Table VII—AC Applicable Limits and Compliance Monitoring Requirements S59, GAS OIL TANK

Tomasef	Citation of	FE	Future Effective		Monitoring	Monitoring	Monitonina
Type of	Citation of				Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	¥		PV valve set pressure	BAAQMD	P/SA	Inspection
	8-5-303.1			within 10% of working	8-5-403		
				pressure or at least 0.5 psig			
	BAAQMD	¥		gas tight (< 500 ppm)	BAAQMD	P/SA	Inspection
	8-5-303.2			except when operating	8-5-403		
				pressure exceeds the valve			
				set pressure			
VOC	BAAQMD	¥		95% control of organic	BAAQMD	C	Temperature
	8-5-306			vapors	Condition		monitoring
					1240, part		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AC Applicable Limits and Compliance Monitoring Requirements S59, GAS OIL TANK

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
					H.58b		
	BAAQMD	¥		Concentration of organic	BAAQMD	P/E	Portable
	8-5-328.1.2			compounds of < 10,000	8-5-503		hydrocarbon
				ppm as methane after			detector
				degassing			
		¥		None	BAAQMD	P/E	Records of
					8-5-501.1		liquids
							stored and
							TVPs
VOC	40 CFR	¥		" No	BAAQMD	P/SA	EPA
	60.112b(a)			detectable emissions," as	Condition		Method 21
	(3)(i)			determined by 40 CFR	1240, part		
				60.485(b), equivalent to ≤	II.32e		
				500 ppm			
VOC	40 CFR	¥		95% control of inlet VOC	BAAQMD	E	Temperature
	60.112b(a)				Condition		monitoring
	(3)(ii)				1240, part		
					II.58b		
VOC	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18c		
					and I.18j		
	BAAQMD	¥		Vapor pressure shall not	BAAQMD	P/A	determi-
	Condition			exceed 1.5 psia	Condition		nation pf
	1240, part				1240, part		vapor
	II.31				II.31a		pressure
	BAAQMD	¥		98.5% destruction of vapors	BAAQMD	ϵ	Temperature
	Condition				Condition		monitoring
	1240, part				1240, part		
	H.32b				II.58b		
Through-	BAAQMD	¥		< 68,208,000 gallons in any	BAAQMD	P/M	records
put	Condition			consecutive 12-month	Condition		
	1240, part			period for S13, S59, and	1240, part		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AC Applicable Limits and Compliance Monitoring Requirements S59, GAS OIL TANK

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	II.33a			S63 total	II.34		

Table VII - AD
Applicable Limits and Compliance Monitoring Requirements
S61, S62, ASPHALT TANKS

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	¥		Ringelmann No. 1 for no	BAAQMD	E	Temperature
	6-301			more than 3 minutes in any	Condition		monitoring
				hour	#1240, II.58b		
	40 CFR	¥		0 percent opacity except for	40 CFR	C	Temperature
	60.472(e)			one consecutive 15-min	60.473(e) and		monitoring
				period in any 24-hr period	BAAQMD		
				for clearing	Condition		
					#1240, II.58b		
FP	BAAQMD	¥		0.15-gr/dsef	BAAQMD	C	Temperature
	6-310				Condition		monitoring
					#1240, II.58b		
VOC	BAAQMD	¥		None	BAAQMD	P/E	Records
	8-15-305				8-15-501		
	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18e		
					and I.18j		
	BAAQMD	¥		Vapor pressure may not	BAAQMD	P/M	Records
	Condition			exceed 0.49 psia	Condition		
	#1240, part				#1240, part		
	H.51				H.58		

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AD Applicable Limits and Compliance Monitoring Requirements \$61, \$62, ASPHALT TANKS\$

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	¥		98.5% destruction of vapors	BAAQMD	E	Temperature
	Condition				Condition		monitoring
	#1240, part				1240, part		
	II.57				H.58b		
Through-	BAAQMD	¥		6,738,349 barrels/yr total	BAAQMD	P/M	Records
put limit	Condition			for S5, S6, S7, S8, S37,	Condition		
	#1240, part			\$38, \$51, \$52, \$53, \$60,	#1240, part		
	II.48			S61, S62, and S65	H.58		

Table VII – AE
Applicable Limits and Compliance Monitoring Requirements
\$63, TANK 31

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	¥		PV valve set pressure	BAAQMD	P/SA	Inspection
	8-5-303.1			within 10% of working	8-5-403		
				pressure or at least 0.5 psig			
	BAAQMD	¥		gas tight (< 500 ppm)	BAAQMD	P/SA	Inspection
	8-5-303.2			except when operating	8-5-403		
				pressure exceeds the valve			
				set pressure			
VOC	BAAQMD	¥		95% control of organic	BAAQMD	C	Temperature
	8-5-306			vapors	Condition		monitoring
					1240, part		
					H.58b		
	BAAQMD	¥		Concentration of organic	BAAQMD	P/E	Portable
	8-5-328.1.2			compounds of < 10,000	8-5-503		hydrocarbon
				ppm as methane after			detector
				degassing			
		¥		None	BAAQMD	P/E	Records of

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AE **Applicable Limits and Compliance Monitoring Requirements S63, TANK 31**

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency (P/C/N)	Type
Zimit	Ziiiit	1/11	Date	Dimit	8-5-501.1	(ITCHY)	liquids stored and
							TVPs
VOC	40 CFR	¥		95% control of inlet VOC	BAAQMD	E	Temperature
	60.112b(a)				Condition		monitoring
	(3)(ii)				1240, part		
					H.58b		
VOC	40 CFR	¥		"No	BAAQMD	P/SA	EPA
	60.112b(a)			detectable emissions," as	Condition		Method 21
	(3)(i)			determined by 40 CFR	1240, part		
				60.485(b), equivalent to <	H.32e		
				500 ppm			
	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	ealculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18e		
					and I.18j		
	BAAQMD	¥		Vapor pressure shall not	BAAQMD	P/A	determi-
	Condition			exceed 1.5 psia	Condition		nation of
	1240, part				1240, part		vapor
	H.31				H.31a		pressure
VOC	BAAQMD	¥		98.5% destruction of vapors	BAAQMD	C	Temperature
	Condition				Condition		monitoring
	1240, part				1240, part		
	H.32e				II.58b		
-				no		-	
OC	AAQMD			detectable fugitive organic	AAQMD	/A	one
	Condition			emissions in excess of 100	8-18-116		
	1240, part			ppmv, measured as total			
	H.32d			organic compounds			
Through-	BAAQMD	¥		< 68,208,000 gallons in any	BAAQMD	P/M	records
put	Condition			consecutive 12-month	Condition		
	1240, part			period for S13, S59, and	1240, part		
	H.33a			S63 total	H.34		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AF **Applicable Limits and Compliance Monitoring Requirements S65, ASPHALT STORAGE TANK**

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	¥		Ringelmann No. 1 for no	BAAQMD	ϵ	Temperature
	6-301			more than 3 minutes in any	Condition		monitoring
				hour	#1240, II.58b		
	40 CFR	¥		0 percent opacity except for	40-CFR	ϵ	Temperature
	60.472(c)			one consecutive 15-min	60.473(e) and		monitoring
				period in any 24-hr period	BAAQMD		
				for clearing	Condition		
					#1240, II.58b		
FP	BAAQMD	¥		0.15-gr/dsef	BAAQMD	ϵ	Temperature
	6-310				Condition		monitoring
					#1240, II.58b		
VOC	BAAQMD			None	BAAQMD	P/E	Records
	8-15-305				8-15-501		
	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18e		
					and I.18j		
	BAAQMD	¥		Vapor pressure may not	BAAQMD	P/M	Records
	Condition			exceed 0.49 psia	Condition		
	#1240, part				#1240, part		
	II.52				H.58		
	BAAQMD	¥		Fugitive emissions at vapor	BAAQMD 8-	NA	None
	Condition			recovery system shall not	18-116		
	#1240, part			exceed 100 ppm			
	H.53						
	BAAQMD	¥		98.5% destruction of vapors	BAAQMD	ϵ	Temperature
	Condition				Condition		monitoring
	#1240, part				1240, part		
	II.56				H.58b		
Through-	BAAQMD	¥		6,738,349 barrels/yr total	BAAQMD	P/M	Records

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII AF Applicable Limits and Compliance Monitoring Requirements S65, ASPHALT STORAGE TANK

Type of	Citation of	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Condition	1/11	Date	-	Condition	(ITC/IT)	Турс
put limit				for \$5, \$6, \$7, \$8, \$37,			
	#1240, part			\$38, \$51, \$52, \$53, \$60,	#1240, part		
	H.48			S61, S62, and S65	II.58		

Table VII – AGT Applicable Limits and Compliance Monitoring Requirements S66, OIL WATER SEPARATOR ABATED BY A31 AND/OR S24

			Future		Monitoring	Monito	ring
Type of	Citation of Limit	FE	Effective		Requiremen	nt Freque	ncy Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/I	N) Type
VOC	BAAQMD 8-8-	Y		Exemption for Bypassed	BAAQMD	P/E	Records and
	114			Oil-Water Separator or Air	8-8-501		sample
				Flotation Unit Influent	8-8-601		analysis
					and		
					SIP		
					8-8-501		
					8-8-601		
VOC		Y		None	BAAQMD	P/E	Records and
					8-8-501 and	i	sample
					SIP		analysis
					8-8-501		
VOC	BAAQMD 8-8-	Y		95% combined collection	BAAQMD	C	Temperature
	301.3 and SIP			and destruction efficiency	Condition		monitoringTe
	8-8-301.3				1240, part		<u>mperature</u>
					II.58b		<u>CPMS</u>
<u>VOC</u>	BAAQMD 8-8-	<u>Y</u>		Vapor tight gauging and	BAAQMD	<u>N</u>	Method 21
	<u>303</u>			sampling devices	<u>8-8-504</u>		<u>portable</u>
					<u>8-8-603</u>		<u>hydrocarbon</u>
					SIP 8-8-603	3	detector
				No cracks		P/O	Visual

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII- \frac{AGT}{A}$ Applicable Limits and Compliance Monitoring Requirements S66, OIL WATER SEPARATOR

ABATED BY A31 AND/OR S24

				Future			Monito		Monit	oring		
Type of	Citation of	Limit	FE	Effective	;		Require	ement	Frequ	ency	Moni	toring
Limit		,	Y/N	Date	Limit	n	Citat	ion	(P/C	/N)	Ty	ype
	0 CFR			or g	aps between cover and	0	CFR.			inspe	ection	
	61.347(b)			O/V	V separator wall; access	61	347(b)					
				hate	thes and other openings							
					closed and gasketed							
					properly							
	40 CFR	¥		Ol	peration with Fugitive	40	CFR	₽	/A	Meth	od 21	
	61.349(a)			eı	missions < 500 ppmv	61	355(h)			Inspe	ection	
	(1)(i)											
	40 CFR	¥		First	t effort to repair visible	40	CFR	P	/Q	Vis	sual	
	61.349(g)			defe	ects within 5 days after	61.	349(f)			inspe	ection	
				det	ection; repair complete							
				wi	thin 15 days except as							
				allo	wing by 40 CFR 61.350							
	40 CFR	¥		Car-	sealed valves on bypass	40	CFR	P	/M	Vis	sual	
	61.349(a)				lines	61.3	54(f)(1)			inspe	ection	
	(1)(ii)(B)											
	40 CFR	¥		9	5% control (by A31)	40	CFR		C	Temp	erature	
	61.349(a)					61.35	54(c)(1)			moni	toring	
	(2)(i)(A)											
	40 CFR	¥		9	5% control (by S24)	40	CFR		C	Ten	nper-	
	61.349(a)					61.35	54(c)(4)			at	ure	
	(2)(i)(A)									mea	sure-	
							_		_	m	ent	
VOC	BAAQM	Ð	Y		Emissions of NMH	C <	BAAC	MD	P/S	SA	calcu	lations
	Condition 1	240,			42.705 tons per y	ear	Condi	tion				
	part I.14	4					1240,	parts				
							I.18a,	I.18e				
							and I	.18j				
VOC	Condition 1	240,	<u>Y</u>		98.5% control effici	ency	Condi	tion	<u>C</u>	1	Temp	erature
	part II.32	<u>2a</u>			when S31 whenev	<u>er</u>	1240, part				CP	<u>MS</u>
					petroleum and VC	<u>)C</u>						
					materials are transfe	erred						
	BAAQMD	¥		98.5	% destruction of vapors	BA/	\QMD		C	Temp	erature	

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

$Table\ VII-\frac{AGT}{A}$ Applicable Limits and Compliance Monitoring Requirements S66, OIL WATER SEPARATOR

ABATED BY A31 AND/OR S24

Type of Limit	Citation of I	Limit	FE Y/N	Future Effectiv Date		Limit		Monitoria Requireme Citation	ent	Monit Frequ (P/C	iency		toring pe
	Condition					(by S24 or A31)	Cor	ndition			moni	itoring	
	1240, part						124	0, part					
	H.85						H	.58b					
	BAAQMD	¥		;	Ne	detectable fugitive							
	Condition			en	iis	sions in excess of 100	AA	QMD	7	4	θ	ne	
	1240, part			1	opi	n in vapor recovery	8-1	8-116					
	II.86					system						1	ļ ,
<u>VOC</u>	Condition 1	<u>240,</u>	<u>Y</u>			Contain emissions in	closed	Condition	<u>n</u>	<u>P/</u>	<u>E</u>	Pres	ssure
	part II.93	<u>3</u>				vent system whever	the	1240, par	<u>rt</u>	(eve	<u>ry 8</u>	moni	toring
						vapor recovery blow	er is	<u>II.93</u>		hou	rs)	when	<u>never</u>
						not operating, as long	as no					<u>va</u>	<u>por</u>
						P/V valve is lifting	<u>g.</u>					reco	very
												blowe	r is not
												<u>oper</u>	ating
								Condition	<u>n</u>	<u>P/</u>	<u>E</u>	Rec	<u>ords</u>
								1240, par	<u>rt</u>				
								<u>II.95</u>					
Through-	BAAQM	Ð	Y			110,376,000 gallon	s/yr	BAAQM	Ð	P/1	M	Rec	ords
put limit	Condition #1	1240,						Condition	n				
	part II.8	3						#1240, II.	87				
								and II.88	3				

Table VII – AH Applicable Limits and Compliance Monitoring Requirements S67-RECOVERED OIL TANK

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	¥		PV valve set pressure	BAAQMD	P/SA	Inspection
	8-5-303.1			within 10% of working	8-5-403		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII AH **Applicable Limits and Compliance Monitoring Requirements** S67-RECOVERED OIL TANK

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Limit	- Emile	1/11	Date	pressure or at least 0.5 psig	Citation	(170/11)	Турс
	BAAQMD	¥		gas tight (< 500 ppm)	BAAQMD	P/SA	Inspection
	8-5-303.2	T		except when operating	8-5-403	17571	mspection
	0-3-303.2			pressure exceeds the valve	0-3-403		
				set pressure			
VOC	BAAQMD	¥		95% control of organic	BAAQMD	E	Temperature
700	8-5-306	1		vapors	Condition	C	monitoring
	0 3 300			vapois	1240, part		monitoring
					H.58b		
VOC		¥		None None	BAAQMD	P/E	Records of
100		1		TVOIC	8-5-501.1	1/L	liquids
					0 3 301.1		stored and
							TVPs
VOC	4 0 CFR	¥		Tank openings maintained	4 0 CFR	P/Q	Visual
, , ,	61.343(a)	-		in closed and sealed	61.343(c)	274	inspection
	(1)(i)(B)			position			P • • • • • • • • • • • • • • • • •
VOC	40 CFR	¥		Operation with Fugitive	40 CFR	P/A	Method 21
	61.349(a)			emissions < 500 ppmv	61.355(h)		Inspection
	(1)(i)				,		
	40 CFR	¥		First effort to repair visible	40 CFR	P/Q	Visual
	61.349(g)			defects within 5 days after	61.349(f)		inspection
				detection; repair complete			
				within 15 days except as			
				allowing by 40 CFR 61.350			
	40 CFR	¥		Car-sealed valves on bypass	40 CFR	P/M	Visual
	61.349(a)			lines	61.354(f)(1)		inspection
	(1)(ii)(B)						
VOC	40 CFR	¥		95% control (by A31)	40 CFR	ϵ	Temper-
	61.349(a)				61.354(c)(1)		ature
	(2)(i)(A)						measure-
							ment
	4 0 CFR	¥		95% control (by S24)	4 0 CFR	C	Temper-
	61.349(a)				61.354(c)(4)		ature
	(2)(i)(A)						measure-

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII AH Applicable Limits and Compliance Monitoring Requirements S67-RECOVERED OIL TANK

Type of	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
							ment
VOC	BAAQMD	¥		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18e		
					and I.18j		

Table VII – AIU

Applicable Limits and Compliance Monitoring Requirements
S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	<u>N</u> ¥		Ringelmann No. 2 for no more	None	N	N/A
	6- <u>1-</u> 303.1			than 3 minutes in any hour			
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 2 for no more	<u>None</u>	<u>N</u>	<u>N/A</u>
	6-303.1			than 3 minutes in any hour			
FP	BAAQMD	<u>N</u> ¥		0.15 gr/dscf	None	N	N/A
	6- <u>1-</u> 310						
<u>FP</u>	SIP	<u>Y</u>		<u>0.15 gr/dscf</u>	<u>None</u>	<u>N</u>	<u>N/A</u>
	<u>6-310</u>						
Hours of	BAAQMD	N		up to 100 hours for reliability	BAAQMD	<u>C</u> P/M	Totalizing
operation	9-8-330 <u>.2</u>			testing	9-8-530		meter for
							hours of
							operation rec
							ords
					BAAQMD 9-	<u>M</u>	Records
					8-520.1 & 9-1-		
					<u>530</u>		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AIU **Applicable Limits and Compliance Monitoring Requirements** S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

			E 4		3.5 1. 1	3.5 1/ 1	
T o o f	Citatian of	TOTO	Future		Monitoring	Monitoring	Manitanina
Type of	Citation of	FE	Effective	** "	Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Hours of	BAAQMD	<u>N</u>	<u>1/1/2012</u>	up to 50 hours for reliability	BAAQMD	<u>C</u>	Totalizing
operation	9-8-330.3			testing	<u>9-8-530</u>		meter for
							hours of
							<u>operation</u>
					BAAQMD 9-	<u>M</u>	Records
					<u>8-520.1 & 9-1-</u>		
					<u>530</u>		
<u>Hours of</u>	BAAQMD	N		unlimited hours in case of	BAAQMD	P/M	records
<u>operation</u>	9-8-330			emergency	9-8-530		1
<u>Hours of</u>	CCR, Title	<u>N</u>		<= 34 hours/year for reliability-	CCR, Title 17,	<u>C</u>	Totalizing
<u>Operation</u>	17, Section			related activities	Section		meter for
	93115.3(n)				<u>93115.10(e)</u>		hours of
					<u>(1)</u>		<u>operation</u>
					CCR, Title 17,	<u>M</u>	Records
					Section		
					<u>93115.10(g)</u>		
<u>Hours of</u>	<u>BAAQMD</u>	<u>Y</u>		<= 34 hours/year for reliability-	<u>BAAQMD</u>	<u>C</u>	<u>Totalizing</u>
<u>Operation</u>	Condition			<u>related activities</u>	<u>Condition</u>		meter for
	22851, Part				22851, Part 3		hours of
	<u>1</u>						<u>operation</u>
							and records
					<u>BAAQMD</u>	<u>M</u>	Rrecords
					<u>Condition</u>		
					22851, Part 4		
NOX NOx	BAAQMD	Y		Emissions of $\frac{NOX}{NOX} < 40.047$	BAAQMD	P/SA	Calculations
	Condition			tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18i and		
					I.18j		
SO2	BAAQMD	Y		Fuel Sulfur Limit	BAAQMD	P/E	fuel
	9-1-304			0.5% by weight	Condition		certification
					18796, Part 1		
<u>SO2</u>	BAAQMD	Y		Emissions of SO2 < 28.049 tons	None	N	N/A
	Condition			per year			

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AIU Applicable Limits and Compliance Monitoring Requirements S68-EMERGENCY DIESEL-POWERED FIREWATER PUMP

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	1240, part I.14						
<u>SO2</u>	BAAQMD	Y		Fuel Sulfur Limit	BAAQMD	P/E	fuel
	Condition			0.05% by weight	Condition		certification
	18796, Part				18796, Part 1		
	1						
NHMC	BAAQMD	Y		Emissions of NMHC < 42.705	BAAQMD	P/SA	Calculations
	Condition			tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18g		
					and I.18j		

Table VII – AJV Applicable Limits and Compliance Monitoring Requirements S69- ASPHALT ADDITIVE LOADING BIN

Type of Limit	Citation of	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6- <u>1-</u> 301	<u>N</u> ¥		Ringelmann No. 1 for no more than 3 minutes in any hour	BAAQMD Condition 20278, parts 6d and 7	P/A	visible emissions inspection
Opacity	<u>SIP</u> 6-301	Y		Ringelmann No. 1 for no more than 3 minutes in any hour	Condition 1240, II.58b	<u>C</u>	Temperature CPMS
FP	BAAQMD 6- <u>1-</u> 310	<u>N</u> ¥		0.15 gr/dscf	None	N	N/A
<u>FP</u>	<u>SIP</u> 6-310	<u>Y</u>		<u>0.15 gr/dscf</u>	None	<u>N</u>	<u>N/A</u>
<u>PM</u>	BAAQMD 6- <u>1-</u> 311	N¥		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	None	N	N/A

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AJV Applicable Limits and Compliance Monitoring Requirements S69- ASPHALT ADDITIVE LOADING BIN

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
<u>PM</u>	SIP	<u>Y</u>		$\underline{4.10P^{0.67}}$ lb/hr, where P is	<u>None</u>	<u>N</u>	<u>N/A</u>
	<u>6-311</u>			process weight, ton/hr			
Through-	BAAQMD	Y		20,000 tons in any 12	BAAQMD	P/D	records
put	Condition			months	Condition		
	20278, part				20278, part 6		
	2						

Table VII – AKW Applicable Limits and Compliance Monitoring Requirements S70- ASPHALT ADDITIVE MIXING TANK

Type of	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD 6- <u>1-</u>	<u>N</u> ¥		Ringelmann No. 1 for no	BAAQMD	С	Temperature
	301			more than 3 minutes in any	Condition		monitoring Te
				hour	#1240, part		<u>mperature</u>
					II.58b		<u>CPMS</u>
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 1 for no	Condition	<u>C</u>	<u>Temperature</u>
	<u>6-301</u>			more than 3 minutes in any	1240, II.58b		<u>CPMS</u>
				<u>hour</u>			
	40 CFR 40 CFR,	Y		0 percent opacity except for	40 CFR <u>40</u>	С	Temperature
	Part 60.472(c)			one consecutive 15-min	CFR, Part		monitoringTe
				period in any 24-hr period	60.473(c)		<u>mperature</u>
				for cleaning	60.474(c)(5)		<u>CPMS</u>
					and		
					BAAQMD		
					Condition		
					#1240, part		
					II.58b		
FP	BAAQMD 6- <u>1-</u>	<u>N</u> ¥		0.15 gr/dscf	BAAQMD	С	Temperature
	310				Condition		monitoring Te

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - AKW**Applicable Limits and Compliance Monitoring Requirements** S70- ASPHALT ADDITIVE MIXING TANK

T 4			- EE	Future			Monito		Monito	_		
Type of	Citation of I	∠ımıt	FE	Effective	T,		Require		Frequ	-	Monit	_
Limit			Y/N	Date	Limit		Citat		(P/C	/N)	_	pe
							#1240,	-			-	rature
ED	CID		***		0.15 /1 6		II.58					MS
<u>FP</u>	SIP		Y		0.15 gr/dscf		Condi		<u>C</u>		Tempe	
	<u>6-310</u>						<u>124</u>				<u>CP</u>	<u>MS</u>
NOC	DAAOM	D			N		part II		D/1		Ъ	1
VOC	BAAQM				None		BAAQ		P/1	E	Rec	ords
MOG	8-15-305		3.7		E : CADAII	G .	8-15-		D/C	_	0.1.1	1
VOC	BAAQM	<u>D</u>	Y		Emissions of NMH		BAAC		P/S	А	Calcul	lations
	8-15- 305BAAQI	MD			42.705 tons per ye	ai	Condi 1240, 1					
	Condition 1						I.18a, I					
	part I.14						and I.					
VOC	BAAQM		Y		Vapor pressure may	not	BAAC		P/N	Л	Rec	ords
<u> </u>	<u>8-15-</u>	<u>D</u>	1		exceed 0.5 psia	not	Condi	-	1/1	VI.	Rec	orus
	305BAAQI	MD			execed 0.5 psid		#1240,	-				
	Condition #1						II.5	_				
	part II.50											
VOC	Condition 1		Y		98.5% control efficie	encv	Condi	tion	C		Tempe	erature
	part II.32				when S31 whenev		1240,				CP	
	_				petroleum and VC	OC	II.58	3 <u>b</u>				
					materials are transfe	rred						
	BAAQMD	¥		98.5%	destruction of vapors	BA/	AQMD		C	Temp	erature	
	Condition					Cor	ndition			moni	toring	
	#1240, part					124	0, part					
	H.55					H	.58b					
<u>VOC</u>	Condition 1	240,	<u>Y</u>		Contain emissions in o	closed	Condi	tion_	<u>P/</u>	<u>E</u>	Pres	sure
	part II.94	<u>4</u>			vent system whever	the	<u>1240,</u>	<u>part</u>	(ever	<u>y 8</u>	moni	toring
					vapor recovery blow		<u>II.9</u>	<u>4</u>	<u>hou</u>	rs)	wher	<u>never</u>
					not operating, as long						<u>va</u> j	<u>por</u>
					P/V valve is liftin	<u>g.</u>						very
											blower	
											oper	ating

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AKW Applicable Limits and Compliance Monitoring Requirements S70- ASPHALT ADDITIVE MIXING TANK

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
					Condition	<u>P/E</u>	Records
					1240, part		
					<u>II.95</u>		
Through-	BAAQMD	Y		400,000 tons in any 12	BAAQMD	P/D	records
put	Condition 20278,			months	Condition		
	part 1				20278, part 6		

	Citation of Limit		Future		Monitoring	Monitoring	
Type of		FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		General equipment leak <	None	N	N/A
	8-18-301			100 ppm or minimize in 24			
				hours, repair in 7 days			
VOC	BAAQMD	Y		Valves, Pumps,	BAAQMD	P/E	Method 21
	Regulation 8-18-			Compressors, Connectors,	8-18-401.5	(24 hrs after	Inspection
	300			PRDs, and General		repair/mini-	
				Equipment		mization)	
VOC	BAAQMD	N		Valve leak < 100 ppm or	BAAQMD	P/Q	Method 21
	8-18-302.1			minimize in 24 hours,	8-18-401.2 or	(footnote a)	Inspection
	8-18-302.2			repair in 7 days	8-18-404		
VOC	BAAQMD	N		Inaccessible valve leak <	BAAQMD	P/A	Method 21
	8-18-302.1			100 ppm or minimize in 24	8-18-401.3		Inspection
	8-18-302.2			hours, repair in 7 days			
VOC	BAAQMD	N		Inspect non-repairable	BAAQMD	P/Q	Method 21
	8-18-302.3			valves	8-18-401.9		inspection
	8-18-306.2						
	8-18-306.3						
	8-18-306.4						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1**Applicable Limits and Compliance Monitoring Requirements** COMPONENTS

	Citation of Limit		Future		Monitoring	Monitoring	
Type of		FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	N		Mass emission rate	BAAQMD	P/E within	Mass
	8-18-302.3			= 15 lb/day for valve with</td <td>8-18-306.4</td> <td>45 days of</td> <td>Emission</td>	8-18-306.4	45 days of	Emission
	8-18-306.4			major leak (>/= 10,000	8-18-604	leak	Sampling
				ppm)		discovery	
VOC	BAAQMD	N		Mass emission rate	BAAQMD	P/A	Mass
	8-18-302.3			= 15 lb/day for valve with</td <td>8-18-401.10</td> <td></td> <td>Emission</td>	8-18-401.10		Emission
	8-18-306.4			major leak (>/= 10,000	8-18-604		Sampling
				ppm)			
VOC	BAAQMD	N		Pump and compressor leak	BAAQMD	P/Q	Method 21
	8-18-303.1			< 500 ppm or minimize in	8-18-401.2		Inspection
	8-18-303.2			24 hours, repair in 7 days			
VOC	BAAQMD 8-18-	N		Connection leak < 100 ppm	BAAQMD	P/every 5	Method 21
	304.1 8-18-304.2			or minimize in 24 hours,	8-18-401.6	years	Inspection
				repair in 7 days		(see footnote	
						b)	
VOC	BAAQMD 8-18-	N		Connection leak < 100 ppm	BAAQMD	P/E (within	Method 21
	304.1 8-18-304.2			or minimize in 24 hours,	8-18-401.1	90 days of	Inspection
				repair in 7 days (for		turnaround)	
				connectors opened during			
				turnaround)			
VOC	BAAQMD 8-18-	Y		Pressure relief valve leak <	BAAQMD	P/Q	Method 21
	305			500 ppm or minimize in 24	8-18-401.2		Inspection
				hours, repair in 15 days	and		
					8-18-401.7		
VOC	BAAQMD 8-18-	Y		Inaccessible pressure relief	BAAQMD	P/A	Method 21
	305			valve leak < 500 ppm or	8-18-401.3		Inspection
				minimize in 24 hours,			
				repair in 15 days			
VOC	BAAQMD 8-18-	Y		Pressure relief valve leak	BAAQMD	P/E	Method 21
	305			≤ 500 ppm or	8-18-401.8	(5 working	Inspection
				minimize in 24 hours,		days after	
				repair in 15 days		release)	
VOC	BAAQMD 8-18-	Y		Pressure Relief Device with	BAAQMD	P/E	Method 21
	305			reportable releases	8-28-402 &	(5 working	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1**Applicable Limits and Compliance Monitoring Requirements** COMPONENTS

	Citation of Limit		Future		Monitoring	Monitoring	
Type of	Citation of Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Туре
				≤ 500 ppm	8-18-401.8	days after	w/Report
						release)	
VOC	BAAQMD 8-18-	N		Valve, connector, pressure	BAAQMD	P/Q	Records
	306.1			relief, pump or compressor	8-18-502.4		
				must be repaired within 5			
				years or at the next			
				scheduled turnaround			
VOC	BAAQMD 8-18-	N		Maximum percentage	BAAQMD	P/Q	Records
	306.2 8-18-306.3			awaiting repair	8-18-502.4		
	8-18-306.4			Components %			
				Valves (including 0.30 with major leaks)			
				and connectors			
				per 8-18-306.3 Valves with major 0.025			
				leaks per 8-18-			
				306.4			
				Pressure Reliefs 1.0 Pumps and 1.0			
				Compressors			
VOC	BAAQMD 8-18-	Y		Equipment liquid leaks	None	P/E	Records
	307			minimize in 24 hours,			
				repair in 7 days			
VOC	BAAQMD 8-18-	Y		Pumps and Compressors	BAAQMD	P/D	Visual
	307			Evidence of Leak	8-18-403		Inspection
VOC	SIP	Y		Valve leak < 100 ppm or	SIP	P/Q	Method 21
	8-18-302			minimize in 24 hours,	8-18-401.2 or	(footnote a)	Inspection
				repair in 7 days	8-18-404		
VOC	SIP	Y		Inaccessible valve leak <	SIP	P/A	Method 21
	8-18-302			100 ppm or minimize in 24	8-18-401.3		Inspection
				hours, repair in 7 days			
VOC	SIP	Y		Pump and compressor leak	SIP	P/Q	Method 21
	8-18-303			< 500 ppm or minimize in	8-18-401.2		Inspection
				24 hours, repair in 7 days			
VOC	SIP	Y		Connection leak < 100 ppm	SIP	P/every 5	Method 21
	8-18-304.2			or minimize in 24 hours,	8-18-401.6	years	Inspection
<u> </u>				repair in 7 days	<u> </u>	(see footnote	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1**Applicable Limits and Compliance Monitoring Requirements COMPONENTS**

Type of Limit	Citation of 1	Limit	FE Y/N	Future Effective Date	Limit		Monit Requir Citat	ement	Monit Frequ (P/C	iency	Monit Ty	toring pe	
									b)			
VOC	SIP		Y		Connection leak < 100	Connection leak < 100 ppm		SIP		P/E (within		Method 21	
	8-18-304.2				or minimize in 24 hours,		8-18-401.1		90 days of		Inspection		
					repair in 7 days (fe	or			turnar	ound)			
					connectors opened du	uring							
					turnaround)								
VOC	SIP		Y		Valve, pressure rela	ef, SII		P	P/Q		Report		
	8-18-306.1				pump or compressor must		8-18-502.4						
					be repaired within 5	years							
					or at the next schedu	ıled							
					turnaround								
VOC	SIP		Y		Awaiting repair		SI			Q			
	8-18-306.2				Valves < 0.5%		8-18-502.4				Rep	ort	
					Pressure Relief < 1								
					Pumps and Compress	ors <							
					1%								
OC	AAQMD 8-	AOMD 8			Implement Process Safety		QMD		' A	rocess			
00	28-303.2			Rec	uirements for PRDs	7171	MAQNID		//1		Safety		
				Rec	quirements for 1 RDs	8-28-405				Requirement			
						0 20 103			_		cords		
						-28-502.1				,			
		-			After first								
OC	AAQMD			rele	release of PRD in 5-year		AAQMD		Æ		[A		
				perio	d, conduct and submit								
	-28-304.1			PH	PHA, meet Prevention -28		rele		90 day after release) MP R				
					easure Procedures,						Report		
					duct failure analysis,	-28	8-405						
				and in	nstall tamperproof tell-								
					tail indicators	cators		Æ		nstall			
											per		
									day	_	oof		
			-		A G and			atter r	release)	indic	eators		
	1	l ——	1		After 2 nd			1		l ——			

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1**Applicable Limits and Compliance Monitoring Requirements COMPONENTS**

Type of	Citation of Limit	FE Y/N	Future Effective Date	Limit		Monito Require Citat	ement Frequ		ency	Monitori	
OC	AAQMD 8- 28-304.2	Y/IN	the se	nse from any PRD on the source in 5 years; ent Pressure Relief ices to an Abatement Device with 95% struction efficiency	•	Citat	/E (w	ithin 1	C/N) Type		
0C	AAQMD 8- 28-402.1		wit	If equipped th tell-tail indicator, ect atmospheric PRD eak indicated by tell-tail indicator	-28 -	-402.1 equ		until RD ipped ith toring	inspec	ual etion & ords	
	AAQMD		PRI	Reinspeet D after release event		QMD		ys after	etho	od 21	
	-28-402.2 AAQMD 8-		atme	Monitor ospheric PRDs using		402.2 QMD				oring	
	28-503		H	nonitoring system		3-503 -502.4			_	ords	
OC	IP			Pressure lief Devices to meet evention Measures Procedures		3-405 33.1	<i>+</i>	A	Mea Proce	revention Measures Procedures, Records	
00	IP			After first ase of PRD in 5-year d, conduct and submit		₽	<i>+</i>	Œ	±	HA	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1**Applicable Limits and Compliance Monitoring Requirements COMPONENTS**

	Citation of l	Limit		Future			Monite	oring	Monit	oring		
Type of			FE	Effective			Requir	ement	Frequ	ency	Monit	toring
Limit			Y/N	Date	Limit		Citat	ion	(P/C	/N)	Ту	pe
	-28-304.1			PH	IA, meet Prevention			90 da	y after			
				M	leasure Procedures,	-28-3	304.1 &	rele	ease)	MP I	Report	
					duct failure analysis,							
				and in	nstall tamperproof tell-	-28	8-405	-				
					tail indicators			+	E		tall	
											iper-	
									day	_	oof	
					A C and			atter r	elease)	indi	eators	
	IP	-		1	After 2 nd			/E (.i.ah.i 1		/ A	
OC	11'				se of PRD on the same aree in 5 years; Vent	•	one	`	ithin 1 r)	f	'A	
	-28-304.2				sure Relief Devices to				1)			
	20 30 1.2				batement Device with							
					destruction efficiency							
					Reinspect							
OC	IP			PR	D after release event		IP	/5-day	ys after	etho	od 21	
						-		releas	e event			
	8-28-402					8-2	8-402			nspe	ection	
					<u> </u>		1					
VOC	40 CFR <u>40 C</u>		Y		LL Pump leak < 10,	,000	40 CF	R 40	P/N	M	Meth	od 21
	Part 60.48	2-2			ppm		CFR,				Inspe	ection
	(b)(1)						60.48					
*** G	10 GPD 10	200					(a)(
VOC	40 CFR40 (Y		Pump leak Indicated	1 by	40 CF	· · · · · · · · · · · · · · · · · · ·	P/V	N		sual
	Part 60.48	2-2			dripping liquid		CFR, 60.48				Inspe	ection
	(b)(2)											
VOC	40 CFR40 (TED	Y		Pump designated for	"No	(a)(P/A	۸	Meth	od 21
VOC	Part 60.482		1		detectable emission				1/2	1		ection
	100.102	-(0)			pursuant to 40 CFR40		60.4				mspc	
					Part 60.486(e),	<u> </u>	2(e)					
					< 500 ppm		(-)	` /				
VOC	4 0 CFR 40 (CFR,	Y		Compressor shall ha	ve a	4 0 CF	R 40	C		Senso	r with

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1Applicable Limits and Compliance Monitoring Requirements **COMPONENTS**

	Citation of Limit		Future		Monitoring	Monitoring	
Type of		FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
	Part 60.482-3(d)			sensor to detect failure of	CFR, Part	or	audible alarm
	, ,			seal system, barrier fluid	60.482-3	P/D	or checked
				system, or both	(e)(1)		daily
VOC	40 CFR40 CFR,	Y		Compressor designated for	40 CFR40	P/A	Method 21
	Part 60.482-3(i)			"No detectable emissions"	CFR, Part		Inspection
				pursuant to 40 CFR 40 CFR.	60.482-		
				Part 60.486(e), < 500 ppm	3(i)(2)		
VOC	4 0 CFR 40 CFR,	Y		Pressure relief valve	None	N	N/A
	Part 60.482-4(a)			(gas/vapor) not vented to			
				abatemenț < 500 ppm			
<u>VOC</u>	40 CFR 40 CFR,	Y		Pressure relief valve	40 CFR <u>40</u>	P/E	Method 21
	Part 60.482-4(b)(1)			(gas/vapor) not vented to	CFR, Part	(5 days)	Inspection
				abatement < 500 ppm after	60.482-		
				a pressure release event	4(b)(2)		
<u>VOC</u>	4 0 CFR 40 CFR,	Y		Valve leak < 10,000 ppm	40 CFR <u>40</u>	P/M	Method 21
	Part 60.482-7(b)				CFR, Part		Inspection
					60.482-7(a)		
VOC	40 CFR40 CFR,	Y		Valve leak < 10,000 ppm; 2	40 CFR40	P/Q	Method 21
	Part 60.482-7(b)			successive months	CFR, Part		Inspection
					60.482-7(c)(i)		
<u>VOC</u>	40 CFR <u>40 CFR</u> ,	Y		Valve designated "No	40 CFR <u>40</u>	P/A	Method 21
	Part 60.482-7(f)			detectable emissions"	CFR, Part		Inspection
				leak < 500 ppm	60.482-7		
					(f)(3)		
VOC	40 CFR <u>40 CFR</u> ,	Y		Pumps and valves in heavy	40 CFR <u>40</u>	P/E	Visible,
	Part 60.482-8(a)			liquid service, Pressure	CFR, Part		Audible, or
				Relief devices (light or	60.482-8(a)		olfactory
				heavy liquid), Flanges,			Inspection
				Connectors leak shall be			
				measured for leak in 5 days			
				if detected by inspection			
VOC	4 0 CFR 40 CFR,	Y		Pumps and Valves (heavy	4 0 CFR 40	P/(5 days	Visual,
	Part 60.482-8 (b)			liquid), Pressure Relief	CFR, Part	after leak	audible,
				Devices (liquid), Flanges,	60.482-8(a)	noted by	olfactory

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1Applicable Limits and Compliance Monitoring Requirements **COMPONENTS**

	Citation of Limit		Future		Monitoring	Monitoring	
Type of		FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Туре
				Connectors leak < 10,000		visual,	Inspection;
				ppm		audible, or	Measure for
				**		olfactory	leaks
						inspection)	
VOC	40 CFR40 CFR,	Y		Pumps under "Delay of	None	N	N/A
	Part 60.482-9 (d)			repair" repaired within 6			
				months			
VOC	40 CFR40 CFR,	Y		Closed vent leak < 500 ppm	40 CFR <u>40</u>	Initial	Method 21
	Part 60.482-10 (g)				CFR, Part	Inspection	inspection
					60.482-10	Only	
					(f)(1)(i)		
VOC	4 0 CFR 40 CFR,	Y		Closed vent system - no	4 0 CFR 40	P/A	Visual
	Part 60.482-10 (g)			visible, audible, olfactory	CFR, Part		Inspection
				evidence of leak	60.482-10		
					(f)(1)(ii)		
VOC	4 0 CFR 40 CFR,	Y		Repair closed-vent systems	4 0 CFR 40	P/When	Repairs
	Part 60.482-10 (g)			leak	CFR, Part	detectable	
				(> 500 ppm for initial	60.482-10 (f)	emissions	
				inspection only) or visible,		are	
				audible, or olfactory leak		measured or	
				indication. 1 st repair attempt		leak	
				5 day, repaired 15 days, or		indication is	
				turnaround list		observed	
VOC		Y		Individual valve that	40 CFR <u>40</u>	P/A (if	Method 21
				measures <10,000 ppm for	CFR, Part	criteria are	inspection
				5 consecutive quarters may	60.483-	met)	-
				be monitored annually, if in	2(b)(3)		
				a process unit with 5	(See footnote		
				consecutive quarters <2%	c)		
				valves leaking > 10,000			
				ppm.			
VOC		Y		Individual valve that	40 CFR40	SA	Method 21
				measures <10,000 ppm for	CFR, Part	(if criteria	Inspection

291

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ALX1**Applicable Limits and Compliance Monitoring Requirements** COMPONENTS

	Citation of Limit		Future		Monitoring	Monitoring	
Type of		FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
				2 consecutive quarters may	60.483-	are met)	
				be monitored semiannually,	2(b)(2)	Í	
				if in a process unit with 2	(footnote c)		
				consecutive quarters <2%			
				valves leaking ≥10,000			
				ppm.			
VOC	4 0 CFR 40 CFR,	Y		Tanks fittings leak	4 0 CFR 40	P/A	Method 21
	Part 61.343			≤ 500 ppm	CFR, Part		Inspection
	(a)(1)(i)(A)				61.343		
					(a)(1)(i)(A)		
VOC	4 0 CFR 40 CFR,	Y		Container fittings leak ≤ to	40 CFR <u>40</u>	P/A	Method 21
	<u>Part</u> 61.345			500 ppm	CFR, Part		Inspection
	(a)(1)(i)				61.345		
					(a)(1)(i)		
VOC	40 CFR 40 CFR,	Y		O/W Separator fittings leak	40 CFR <u>40</u>	P/A	Method 21
	<u>Part</u> 61.347			≤ 500 ppm	CFR, Part		Inspection
	(a)(1)(i)(A)				61.347		
					(a)(1)(i)(A)		
<u>VOC</u>	4 0 CFR 40 CFR,	Y		No cracks or gaps between	4 0 CFR 40	P/Q	Visual
	Part 61.347(b)			cover and O/W separator	CFR, Part		inspection
				wall; access hatches and	61.347(b)		
				other openings closed and			
				gasketed properly			
VOC	4 0 CFR 40 CFR,	Y		Closed-vent systems <500	40 CFR <u>40</u>	P/A	Method 21
	<u>Part</u> 61.349			ppm above background	CFR, Part		Inspection
	(a)(1)(i)				61.349		
					(a)(1)(i)		
<u>VOC</u>	40 CFR40 CFR,	Y		First effort to repair visible	40 CFR40	P/Q	Visual
	Part 61.349(g)			defects within 5 days after	CFR, Part		inspection
				detection; repair complete	61.349(f)		
				within 15 days except as			
				allowing by 40 CFR40			
				CFR, Part 61.350			
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/M	Calculations

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

	Citation of Limit		Future			Monito	ring	Monit	oring		
Type of		FE	Effective			Require	_	Frequ	_	Moni	toring
Limit		Y/N	Date	Limit		Citati		(P/C	-		уре
	Condition 1240,			42.705 tons per ye	ear	Condit	ion			•	-
	part I.14					1240, p	arts				
	•					I.18a, I.	.18b				
						and I.	18j				
				S-63, no							
OC	AAQMD		detec	table fugitive organic	AA	QMD	2	Ą	0	ne	
	Condition		emis	sions in excess of 100	8-1	8-116					
	1240, part		ppn	nv in vapor recovery							
	II.32d		syste	em, measured as total							
			0	rganic compounds							
		ļ									
OC	AAQMD		3, n	o detectable fugitive	AA	QMD	7	A	0	ne	
	Condition		organ	ic emissions in excess	8-1	8-116					
	1240, part		of	100 ppmv in vapor							
	II.44		recov	very system, measured							
			as tot	al organic compounds							
		-		S65, no							
OC	AAQMD		detec	etable fugitive organic	AA	QMD	2	A	0	ne	
	Condition		emis	sions in excess of 100	8-1	8-116					
	1240, part		ppn	nv in vapor recovery							
	II.53		syste	em, measured as total							
			0	rganic compounds							
		-		S66, no							
	AAQMD			etable fugitive organic		QMD	2	A	0	ne	
	Condition		emis	sions in excess of 100	8-1	8-116					
	1240, part		ppn	nv in vapor recovery							
	II.86			em, measured as total							
			0	rganic compounds							

Footnotes to Table VII-AL above:

^a Valves are inspected pursuant to BAAQMD-approved Alternative Inspection Schedule that satisfies the requirements of 8-18-404. Valves that have not been found to be leaking for the five prior quarters are placed on the annual inspection schedule.

^b Connectors are inspected pursuant to a BAAQMD-approved Connector Inspection Program that satisfies the

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

requirements of 8-18-401.6. Under this program, 20% of all of the Asphalt Plant's connectors are inspected each year provided the leak rate is < 1.5%. If the leak rate is > 1.5%, all connectors within the unit are inspected.

^c The 40 CFR Part 60.483-2 (Subpart VV) alternative screening schedule for valves is analogous to the Valero Alternative Inspection Schedule (see footnote "a") with two exceptions: 40 CFR Part 60.483-2 uses a leak definition of 10,000 ppm VOC rather than 100 ppm TOC, and 40 CFR OCFR, Part 60.483-2 requires that the percentage of valves leaking facility-wide (at 10,000 ppm) must have been less than 2% for the five-quarter time period. For process units covered by refinery MACT, 63.648(a)(2) allows the percentage leaking to be determined on a refinery-wide basis. This applies to all process units except NSPS process units and except Dimersol and the Tail Gas Unit, which are not subject to MACT. Finally, any valve subject to Subpart VV must *individually* comply with BAAQMD Rule 8-18-404 (5 quarters with no leaks at 100 ppm) in order to be allowed to be screened less frequently than quarterly. As a practical matter, Subpart VV is effectively less stringent than the Valero Alternative Inspection Schedule.

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

<u>Table VII – X2</u>
<u>Applicable Limits and Compliance Monitoring Requirements</u>
PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

	Citation of		<u>Future</u>		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	<u> </u>	<u>Y/N</u>	<u>Date</u>	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	N	<u>Dute</u>	Implement Process Safety	BAAQMD	<u>N/A</u>	Process
<u> </u>	8-28-303.2	11		Requirements for PRDs	<u>8-28-405</u>	11/11	<u>Safety</u>
	0 20 303.2			requirements for 1 RDS	8-28-502.1		Requirement
					<u>0 20 302.1</u>		s, records
VOC	BAAQMD	<u>N</u>		After first release of PRD in	BAAQMD	P/E	PHA
	8-28-304.1	_		5-year period, conduct and	8-28-304.1	(90 day after	<u>&</u>
				submit PHA, meet	8-28-405	release)	PMP Report
				Prevention Measure			
				Procedures, conduct failure		<u>P/E</u>	Install
				analysis, and install		(120 day	tamper-
				tamperproof tell-tail		after release)	proof
				indicators			indicators
VOC	BAAQMD	<u>N</u>		After 2 nd release from any	None	P/E (within	N/A
	8-28-304.2			PRD on the same source in		<u>1 yr)</u>	
				5 years; Vent Pressure			
				Relief Devices to an			
				Abatement Device with			
				95% destruction efficiency			
<u>VOC</u>	BAAQMD	<u>N</u>		If equipped with tell-tail	BAAQMD	P/D until	Visual
	8-28-402.1			indicator, inspect	8-28-402.1	<u>PRD</u>	inspection &
				atmospheric PRD for leak	<u>8-28-502.3</u>	<u>equipped</u>	records
				indicated by tell-tail		with	
				<u>indicator</u>		monitoring	
						<u>system</u>	
<u>VOC</u>	BAAQMD	<u>N</u>		Reinspect PRD after release	BAAQMD	P/5-days	Method 21
	8-28-402.2			<u>event</u>	8-28-402.2	after release	<u>Inspection</u>
						event	
<u>VOC</u>	<u>BAAQMD</u>	<u>N</u>		Monitor atmospheric PRDs	<u>BAAQMD</u>	<u>C</u>	Monitoring
	<u>8-28-503</u>			using monitoring system	<u>8-28-503</u>		system
					<u>8-28-502.4</u>		<u>records</u>
<u>VOC</u>	SIP	<u>Y</u>		Pressure Relief Devices to	SIP	<u>N/A</u>	<u>Prevention</u>
	<u>8-28-303.2</u>			meet Prevention Measures	<u>8-28-405</u>		<u>Measures</u>

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

<u>Table VII – X2</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> PRESSURE RELIEF DEVICES SUBJECT TO BAAQMD REGULATION 8, RULE 28

			<u>Procedures</u>	8-28-403.1		Procedures,
						<u>Records</u>
<u>VOC</u>	SIP	<u>Y</u>	After first release of PRD in	SIP	<u>P/E</u>	<u>PHA</u>
	<u>8-28-304.1</u>		5-year period, conduct and	<u>8-28-304.1 &</u>	(90 day after	<u>&</u>
			submit PHA, meet	<u>8-28-405</u>	<u>release)</u>	PMP Report
			Prevention Measure			
			Procedures, conduct failure		P/E	<u>Install</u>
			analysis, and install		(120 day	tamper-
			tamperproof tell-tail		after release)	<u>proof</u>
			<u>indicators</u>			<u>indicators</u>
<u>VOC</u>	SIP	<u>Y</u>	After 2 nd release of PRD on	<u>None</u>	P/E (within	<u>N/A</u>
	8-28-304.2		the same source in 5 years;		<u>1 yr)</u>	
			Vent Pressure Relief			
			Devices to an Abatement			
			Device with 95%			
			destruction efficiency			
<u>VOC</u>	SIP	<u>Y</u>	Reinspect PRD after release	SIP	P/5-days	Method 21
	8-28-402		event	8-28-402	after release	Inspection
					event	
<u>VOC</u>	BAAQMD	<u>Y</u>	Pressure Relief Device with	BAAQMD	<u>P/E</u>	Method 21
	<u>8-18-305</u>		reportable releases	<u>8-28-402 &</u>	(5 working	Inspection
			< 500 ppm	<u>8-18-401.8</u>	days after	w/Report
					<u>release)</u>	

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOXNOx	BAAQMD	Y		Emissions of NOXNOx <	BAAQMD	P/SA	Calculations
	Condition			40.047 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a,-I.18i		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AMY Applicable Limits and Compliance Monitoring Requirements A4, THERMAL OXIDIZER

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
					and I.18j		
SO2	BAAQMD	Y		Emissions of SO2 < 28.049	None	N	N/A
	Condition			tons per year			
	1240, part						
	I.14						
VOC	BAAQMD	Y		21 g/cubic meter (0.17	BAAQMD	С	Temperature
	8-6-301			lb/1000 gallons)	Condition		<u>CPMS</u> monit
					1240, part		oring
					I.19		
VOC	40 CFR40	Y		95% destruction of VOC	40 CFR <u>40</u>	N	N/A
	CFR, Part			emissions (from S18 PRV	CFR, Part		
	60.482-10			vents)	60.482-10(e)		
	(c)						
VOC	4 0 CFR 40	Y		Closed vent system - no	4 0 CFR 40	P/A	Visual
	CFR, Part			visible, audible, olefactory	CFR, Part		Inspection
	60.482-10			evidence of leak	60.482-10		
	(g)				(f)(1)(ii)		
VOC	40 CFR40	Y		Repair closed-vent system	40 CFR <u>40</u>	P/When	Repairs
	CFR, Part			visible, audible, or	CFR, Part	detectable	
	60.482-10			olefactory leak indication.	60.482-10 (f)	emissions	
	(g)			First repair attempt 5 day,		are	
				repaired 15 days, or		measured or	
				turnaround list		leak	
						indication is	
						observed	
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part			1 3	1240, parts		
	I.14				I.18a, I.18g		
					and I.18j		
VOC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	С	Temperature
	Condition			42.705 tons perr year	Condition		<u>CPMS</u> monit

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AMY Applicable Limits and Compliance Monitoring Requirements A4, THERMAL OXIDIZER

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
	1240, part				1240, part		oring
	I.14				I.19		
	BAAQMD	¥		98.5% destruction of vapors	BAAQMD	E	Temperature
	Condition			by weight (from S14)	Condition		monitoring
	#1240, part				1240, part		
	II.60				I.19		
<u>VOC</u>	BAAQMD	Y		98.5% destruction of vapors	BAAQMD	С	Temperature
	Condition			by weight (from S15)	Condition		<u>CPMS</u> monit
	#1240, part				1240, part		oring
	II.63				I.19		
<u>VOC</u>	BAAQMD	Y		98.5% destruction of vapors	BAAQMD	С	Temperature
	Condition			by weight (from S17)	Condition		<u>CPMS</u> monit
	#1240, part				1240, part		oring
	II.68				I.19		
Opacity	BAAQMD	<u>N</u> ¥		Ringelmann No. 1 for no	None	N	N/A
	6- <u>1-</u> 301			more than 3 minutes in any			
				hour			
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 1 for no	Condition	<u>C</u>	<u>Temperature</u>
	<u>6-301</u>			more than 3 minutes in any	1240, II.58b		<u>CPMS</u>
				<u>hour</u>			
FP	BAAQMD	<u>N</u> Y		0.15 grain/dscf	BAAQMD	С	Temperature
	6- <u>1-</u> 310				Condition		<u>CPMS</u> monit
					1240, part		oring
					I.19		
<u>FP</u>	SIP	<u>Y</u>		0.15 grain/dscf	<u>Condition</u>	<u>C</u>	<u>Temperature</u>
	<u>6-310</u>				<u>1240, part</u>		<u>CPMS</u>
					<u>I.19</u>		
Through-	BAAQMD	Y		Maximum heat input to all	BAAQMD	P/D	PG&E fuel
put	Condition			asphalt plant combustion	Condition		meter
	1240, part			units < 93.6 MMbtu/hr	1240, part I.5		
	I.5						_
Temperat	BAAQMD	Y		Minimum Operating	BAAQMD	С	Temperature
ure	Condition			Temperature 1400F	Condition		<u>CPMS</u> Monit
	1240, part				1240, part		oring

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

				Future		Monitoring	Monitoring	
	Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
	Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Ī		I.19				I.19		

$$\label{eq:limits} \begin{split} & Table~VII-AN\underline{Z}\\ & Applicable~Limits~and~Compliance~Monitoring~Requirements\\ & A31, THERMAL~OXIDIZER \end{split}$$

Type of	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit		Y/N	Date	Limit	Citation	(P/C/N)	Type
NOX NOx	BAAQMD	Y		Emissions of NOX NOx <	BAAQMD	P/SA	Calculations
	Condition 1240,			40.047 tons per year	Condition		
	part I.14				1240, parts		
					I.18a, I.18i		
					and I.18j		
SO2	BAAQMD	Y		Emissions of SO2 < 28.049	None	N	N/A
	Condition 1240,			tons per year			
	part I.14						
Opacity	BAAQMD 6- <u>1-</u>	<u>N</u> Y		Ringelmann No. 1 for no	BAAQMD	С	Temperature
	301			more than 3 minutes in any	Condition		<u>CPMS</u> monito
				hour	#1240, part		ring
					II.58b		
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 1 for no	<u>Condition</u>	<u>C</u>	<u>Temperature</u>
	<u>6-301</u>			more than 3 minutes in any	1240, II.58b		<u>CPMS</u>
				<u>hour</u>			
Opacity	40 CFR 40 CFR,	Y		0 percent opacity except for	40 CFR <u>40</u>	С	Temperature
	Part 60.472(c)			one consecutive 15-min	CFR, Part		<u>CPMS</u> monito
				period in any 24-hr period	60.473(c)		ring
				for cleaning	60.474(c)(4)		
					and		
					BAAQMD		
					Condition		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -ANZ**Applicable Limits and Compliance Monitoring Requirements** A31, THERMAL OXIDIZER

				Future			Monitoring	Monito	ring	
Type of	Citation of Li	mit	FE	Effective			Requirement		_	Ionitoring
Limit	Citation of Li	111111	Y/N	Date	Limit		Citation	(P/C	-	Type
Limit			1/11	Date	Limit		#1240, part	(170)	/11)	Турс
							#1240, part			
FP	BAAQMD 6-	1	<u>N</u> ¥		0.15 gr/dscf		BAAQMD	C	Т	emperature
171	310	<u>1-</u>	<u>1N</u> -T		0.13 gi/usci		Condition			emperature PMS monito
	310						#1240, part		<u>C</u>	ring
							#1240, part			mg
<u>FP</u>	SIP		<u>Y</u>		0.15 gr/dscf		Condition	<u>C</u>	т	emperature
11	6-310		1		<u>0.13 gi/usci</u>		1240, part		1	<u>CPMS</u>
	0-310						<u>1240, part</u> <u>II.58b</u>			CFMS
VOC	DAAOMD		NI		050/ southel of succe			D//		Jasonaa Taat
<u>VOC</u>	BAAQMD		<u>N</u>		95% control of orga vapors (from S13, S		BAAQMD	<u>P//</u>	3	Source Test
	<u>8-5-306</u>					<u> </u>	<u>8-5-502.1</u>			
VOC	DAAOMDC	ID	Y		<u>\$63)</u>		8-5-603	С	т	
VOC	8-5-306	<u>IP</u>	Y		95% control of orga		BAAQMD Condition			emperature DMSmanita
	8-3-306				vapors (from S13, S	539,			<u>C</u>	PMSmonite
					S63)		1240, part			ring
VOC	DA A OMD 0		37		21 - /- 1:	17	II.58b	-	Т	
VOC	BAAQMD 8-	-0-	Y		21 g/cubic meter (0		BAAQMD	C		emperature
	301				lb/1000 gallons)		Condition		<u>C</u> .	PMS monito
							1240, part			ring
MOG	DA A OMB O	0	3.7		050/ 1: 1 11		II.58b			
VOC	BAAQMD 8-		Y		95% combined collections (%)		BAAQMD	C		emperature
	301.3 and SIP	8-8-			and destruction effici	ency	Condition		<u>C</u> .	PMS monito
	301.3				<u>(S66)</u>		1240, part			ring
NOC	D. I. O. I.D.		3.7		700/ 1: 1 11		II.58b			
<u>VOC</u>	BAAQMD		<u>Y</u>		70% combined collections (%)		BAAQMD	<u>C</u>		emperature
	8-8-305.2				and destruction effici	ency	Condition			PMS monito
	<u>SIP</u>				<u>(S27, S67)</u>		1240, part			ring
MOG	8-8-305.2	מי	3.7		050/ 1 . 6		II.58b			
VOC	40 CFR40 CF		Y		95% control of orga		BAAQMD	C		emperature
	Part 60.112b	(a)			vapors (from S13, S	539,	Condition			PMSmonite
	(3)(ii)				S63)		1240, part			ring
	40 CEP	3.7		0.50	. 1 .: 0 . 1	40	II.58b		T	.
	40 CFR	¥			reduction of organic		CFR	ϵ	Temperat	
	61.349(a)			va j	oors (from S12, S25,	61.35	54(e)(1)		monitori	ng

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -ANZApplicable Limits and Compliance Monitoring Requirements A31, THERMAL OXIDIZER

Type of Limit	Citation of	Limit	FE Y/N	Future Effective Date	Limit		Monito Require Citat	ement	Monit Frequ	iency		toring
	(2)(i)(A)				S28, S41, S66)		•				•	
	4 0 CFR	¥		Ope	eration with Fugitive	40	CFR	₽	/A	Meth	nod 21	
	61.349(a)			em	emissions < 500 ppmv		61.355(h)				Inspection	
	(1)(i)											
	40 CFR	¥		First	effort to repair visible	40	CFR	P	/Q	Vi	sual	
	61.349(g)			defe	ets within 5 days after	61.	349(f)			inspe	ection	
				dete	ction; repair complete							
				with	nin 15 days except as							
				allow	ring by 40 CFR 61.350							
VOC	BAAQM	₩	Y		Emissions of NMH	C <	BAAC	MD	P/S	SA	Calcu	lations
	Condition 1	1240,			42.705 tons per ye	ear	Condi	ition				
	part I.1	4					1240,	parts				
							I.18a,	I.18g				
						ir	and I	.18j		1		-
	BAAQMD	¥		En	nissions of NMHC <	BA/	AQMD		C	Ten	nper-	
	Condition			42	2.705 tons per year	Cor	ndition			at	ure	
	1240, part					124	0, part			moni	toring	
	I.14				T	H	.58b				ı	
<u>VOC</u>	BAAQM	₩	Y		98.5% destruction	of	BAAC	-	C		Tempe	er-ature
	Condition 1	-			organic vapors by we	-	Condi					monito
	parts II.32a	, b, c			whenever petroleum		1240,	-			ri	ng
					VOC materials are sto		II.5	8b				
					transferred (from S13	, S59,						
		1			S63)	Ī		i		i		
		1			S63, no							
	AAQMD				etable fugitive organic		QMD	+	A	0	ne	
	Condition				sions in excess of 100	8-1	8-116					
	1240, part				nv in vapor recovery							
	H.32d			-	em, measured as total							
VOC	DAAOME	3.7			rganic compounds	D.A.	AOMD		<u> </u>	Т		
VOC	BAAQMD	¥			8.5% destruction of		AQMD dition	,	E	Temperature monitoring		
	Condition			_	om S3) when vapor		O port			moni	toring	
	1240, part			,	· · · · · · · · · · · · · · · · · · ·		0, part					
	H.43			<u> </u>	ecovery blower is	H	II.58b					

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -ANZ**Applicable Limits and Compliance Monitoring Requirements** A31, THERMAL OXIDIZER

				Futu	ıre			Monito	oring	Monit	toring		
Type of	Citation of l	Limit	FE	Effec	tive			Require	ement	Frequ	iency	Moni	toring
Limit			Y/N	Dat	te	Limit		Citation		(P/C/N		Ty	ype
						operating							
	BAAQMD	¥		7		o detectable fugitive	BAA	QMD-8-	4	IA	None		
	Condition			•	organic emissions in excess		18-116						
	1240, part				of 100 ppmv in vapor								
	II.44			recovery system, measured									
				as total organic compounds									
	BAAQMD	¥		,	S65, 1	no detectable fugitive	BAA	QMD-8-	4	IA	N	one	
	Condition			•	organic emissions in excess		18	-116					
	#1240, part				of	100 ppmv in vapor							
	H.53			1	recov	ery system, measured							
				ŧ	as tota	al organic compounds							
	BAAQMD	¥			98	.5% destruction of	BA/	\QMD	C		Temperature		
	Condition				orga	nic vapors by weight	Condition				monitoring		
	#1240, part			(fre		\$5-8, \$37, \$38, \$70)	1240, part						
	H.55					H	.58b						
	BAAQMD	¥			98	.5% destruction of	BA/	BAAQMD		\mathbf{c}	Temp	erature	
	Condition			organic vapors by weight Cor		Cor	idition			moni	itoring		
	#1240, part				(fro	m S51-53, S60, S65	124	1240, part					
	II.56						II.58b						
	BAAQMD	¥			98	.5% destruction of	BA/	\QMD	E		Temperature		
	Condition				orgai	nic vapors by weight	Cor	idition			monitoring		
	#1240, part					(from S61, S62)	124	0, part					
	II.57						H	.58b					
	BAAQMD	¥			98	.5% destruction of	BA/	\QMD	1	C	Temp	erature	
	Condition				orga	nic vapors by weight	Cor	idition			moni	itoring	
	#1240, part					(from S31)	124	0, part					
	II.69						H	.58b					
	BAAQMD	¥			98	.5% destruction of	BA/	\QMD		C	Temp	erature	
	Condition				orga	nic vapors by weight	Cor	dition				itoring	
	#1240, part			(from S54)		1240, part							
	H.70						H.58b						
	BAAQMD	¥		98.5% destruction		.5% destruction of	BAAQMD		1	C	Temp	erature	
	Condition				orga	nic vapors by weight	Cor	dition			moni	itoring	
	1240, part					(from S66)	124	0, part					

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Citation of 1	Limit	FE Y/N	Effe	ture ective ate	Limit		Monito Require Citat	ement	Monitor Freque (P/C	ency	Monit Tv	toring pe
	H.85						Н	.58b		(1 -			
						\$66, no							
	AAQMD				detec	table fugitive organic	AAQMD		A		O	ne	
	Condition					sions in excess of 100	8-1	8-116					
	1240, part				ppn	v in vapor recovery							
	II.86				syste	em, measured as total							
					Ol	rganic compounds							
Through-	BAAQM	Ð	Y			Maximum heat input	to all	BAAÇ	MD	P/1	D	PG&	E fuel
put	Condition 1	240,				asphalt plant combus	stion	Condi	tion			me	eter
	part I.5					units < 93.6 MMbtu	ı/hr	1240, p	art I.5				
Temper-	40 CFR 40 (CFR,	Y			1400 ° F Operation	g	40 CF	R 40	C	}	Tempe	erature
ature limit	Part 60.113	b(c)				Temperature		CFR,	<u>Part</u>			<u>CPMS</u>	monito
	(1)(ii) & (c	(2)						60.112	2b(c)			rii	ng
								(c)(2)				
Temper-	40 CFR 40 (CFR,	Y			1400 ° F Operatin	g	40 CF	R 40	C		Tempe	erature
ature limit	Part 60.47	3(c)				Temperature		CFR,	<u>Part</u>			<u>CPMS</u>	monito
		T						60.47	3(c)			rii	ng
	40 CFR	¥			1	400 ⁻ F Operating	40	CFR	4	E	Temp	erature	
	61.357(d)					Temperature	61.35	54(c)(1)			moni	toring	
	(7)(iv)(A)												
								1					
Temper-	BAAQM	Ð	Y			1400 ° F Operatin	g	BAAÇ	MD	C	2	Tempe	erature
ature limit	Condition 1	240,				Temperature		Condi	tion			<u>CPMS</u>	monito
	part II.58	8b						1240,	part			rii	ng
								II.58	8b				

Table VII – AQAA Applicable Limits and Compliance Monitoring Requirements S71-EMERGENCY DIESEL-POWERED AIR COMPRESSOR

303

VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD	¥N	Date	Ringelmann No. 2 for no	None	N	N/A
1 1 1 1 1	6- <u>1-</u> 303.1	_		more than 3 minutes in any			
	_			hour			
<u>Opacity</u>	SIP	<u>Y</u>		Ringelmann No. 2 for no	<u>None</u>	<u>N</u>	<u>N/A</u>
	<u>6-303.1</u>			more than 3 minutes in any			
				<u>hour</u>			
FP	BAAQMD 6- <u>1-</u> 310	<u>N</u>		0.15 gr/dscf	None	N	N/A
<u>FP</u>	SIP	<u>Y</u>		<u>0.15 gr/dscf</u>	None	<u>N</u>	<u>N/A</u>
_	<u>6-310</u>	_				_	
Hours of	BAAQMD	N		up to 100 hours for	BAAQMD	<u>P/MC</u>	records Total
operation	9-8-330 <u>.2</u>			reliability testing	9-8-530		izing meter
							for hours of
							<u>operation</u>
					BAAQMD 9-	<u>M</u>	Records
					<u>8-520.1 & 9-</u>		
	D		4 /4 /0 0 4 0	701 0 11111	<u>1-530</u>		
Hours of	BAAQMD	<u>N</u>	1/1/2012	< 50 hours for reliability	BAAQMD	<u>C</u>	Totalizing
<u>operation</u>	<u>9-8-330.3</u>			testing	<u>9-8-530</u>		meter for hours of
							operation
					BAAQMD 9-	<u>M</u>	Records
					<u>8-520.1 & 9-</u>	111	records
					<u>1-530</u>		
Hours of	BAAQMD	N		unlimited hours in case of	BAAQMD	P/M	records
operation	9-8-330			emergency	9-8-530		
<u>Hours of</u>	CCR, Title	<u>N</u>		<= 50 hours/year for	CCR, Title	<u>C</u>	Totalizing
<u>Operation</u>	17, Section			reliability-related activities	17, Section		meter for
	93115.6(b)(93115.10(e)		hours of
	3)(A)(2)(b)				<u>(1)</u>		<u>operation</u>
					CCR, Title	<u>M</u>	Records
					17, Section		
Цольс - С	DAAOMD	Y		up to 50 hours for reliability	93115.10(g)	CD/M	Totaliai
Hours of operation	BAAQMD Condition	Y		testing	BAAQMD Condition	<u>CP/M</u>	Totalizing meter for
operation	22928 Part			testing	22928 Part 3		hours of
	1				22928 1 art 9		operation
	-				=		records

Permit for Facility #: A0901

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – AQAA Applicable Limits and Compliance Monitoring Requirements S71-EMERGENCY DIESEL-POWERED AIR COMPRESSOR

T .			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
					<u>BAAQMD</u>	<u>P/M</u>	records
					Condition		
					22928 Part 3		
NOX NOx	BAAQMD	Y		Emissions of NOXNOx <	BAAQMD	P/SA	Calculations
	Condition			40.047 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18i		
					and I.18j		
SO2	BAAQMD	Y		Fuel Sulfur Limit	BAAQMD	P/E	fuel
	9-1-304			0.5% by weight	Condition		certification
					18796, Part 1		
<u>SO2</u>	BAAQMD	Y		Emissions of SO2 < 28.049	None	N	N/A
	Condition			tons per year			
	1240, part						
	I.14						
<u>SO2</u>	BAAQMD	Y		Fuel Sulfur Limit	BAAQMD	P/E	fuel
	Condition			0.05% by weight	Condition		certification
	18796, Part				18796, Part 1		
	1						
NHMC	BAAQMD	Y		Emissions of NMHC <	BAAQMD	P/SA	Calculations
	Condition			42.705 tons per year	Condition		
	1240, part				1240, parts		
	I.14				I.18a, I.18g		
					and I.18j		

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD	Continuous Emission	Manual of Procedures, Volume V
1-522	Monitoring	
BAAQMD	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6- <u>1-</u> 301		
SIP 6-301		
BAAQMD	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6- <u>1-</u> 303.1		
SIP 6-303.1		
BAAQMD	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
6- <u>1-</u> 310		or
<u>SIP 6-310</u>		EPA Reference Method 5 (40 CFR 40 CFR, Part 60, Appendix A),
		Determination of Particulate Emissions from Stationary Sources
BAAQMD	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
6- <u>1-</u> 311		or
<u>SIP 6-311</u>		EPA Reference Method 5 (40 CFR 40 CFR, Part 60, Appendix A),
		Determination of Particulate Emissions from Stationary Sources
BAAQMD	Exemption, Low Vapor	Manual of Procedures, Volume III, Lab Method 28,
8-5-117	Pressure	Determination of Vapor Pressure of Organic Liquids from Storage
<u>8-5-601</u>		Tanks, if organic compound is not listed in Table I
<u>8-5-602</u>		or ç
8-5-604		
BAAQMD	Storage Tanks Control	Manual of Procedures, Volume III, Lab Method 28,
8-5-301	Requirements <u>– based on true</u>	Determination of Vapor Pressure of Organic Liquids from Storage
<u>8-5-601</u>	vapor pressure	Tanks, if organic compound is not listed in Table I
<u>8-5-602</u>		or Manual of Procedures, Volume III, Lab Method 13 for Reid
8-5-604		<u>Vapor Pressure</u>
BAAQMD	Pressure vacuum valve leak	EPA Reference Method 21 (40 CFR 40 CFR, Part 60, Appendix
8-5-303.2	concentrationgas-tight	A), Determination of Volatile Organic Compound Leaks
<u>8-5-206</u>	determination (<500 ppm as	
<u>8-5-403.1</u>	methane)	
<u>8-5-605</u>		

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD	Pressure vacuum valve vented	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
8-5-303.2	to vapor recovery or disposal	<u>Carbon Sampling</u>
8-5-502.1	system (95% abatement	
8-5-603	requirement)	
BAAQMD	External Floating Roof	EPA Reference Method 21 (40 CFR40 CFR, Part 60, Appendix
8-5-304.6.1	Leaking Pontoons gas-tight	A), Determination of Volatile Organic Compound Leaks
<u>8-5-206</u>	determination (<100 ppm as	
<u>8-5-412</u>	methane)	
<u>8-5-605</u>		
BAAQMD	Requirements for Approved	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
8-5-306 <u>.1</u>	Emission Control Systems	Carbon Sampling 4, Bulk Gasoline Distribution Facility
8-5-502	(95% control requirement)	Baseline emissions: API Bulletin 2518
8-5-502.1		
8-5-603		
BAAQMD	Pressure relief device gas tight	EPA Reference Method 21 (40 CFR40 CFR, Part 60, Appendix
8-5-307.3	determination (< 500 ppm as	A), Determination of Volatile Organic Compound Leaks
<u>8-5-403.2</u>	methane)	
<u>8-5-605</u>		
BAAQMD	Pressure relief device vented to	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
8-5-307.3	vapor recovery or disposal	Carbon Sampling
8-5-502.1	system (95% abatement	
8-5-603	requirement)	
BAAQMD	VOC emissions for tank	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
8-5-328.1 .2	degassing (90% abatement	Carbon Sampling
8-5-502.2	requirement	
8-5-603		
BAAQMD	VOC emissions for tank	EPA Reference Method 21 (40 CFR 40 CFR, Part 60, Appendix
8-5-328.1 .2	degassing (organic	A), Determination of Volatile Organic Compound Leaks
<u>8-5-605</u>	concentration < 10,000 ppm as	Place probe at least 12 inches above the bottom of the tank and
	methane after degassing	above the surface of any sludge material on the bottom of the tank
	Measurements less than 10,000	and at least 12 inches inide the tank measured from the inner
	ppm as methane are required	surface of the tank wall.
	for at least four consecutive	
	measurements performed at	
	intervals no shorter than 15	
	minutes each.)	

307

VIII. Test Methods

Table VIII Test Methods

Applicable		i est Methous
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD	Records (true vapor pressure)	Manual of Procedures, Volume III, Lab Method 28,
8-5-501.1	<u> </u>	Determination of Vapor Pressure of Organic Liquids from Storage
<u>8-5-602</u>		Tanks, if organic compound is not listed in Table I
	VOC emissions for tank	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
AAQMD	degassing	Carbon Sampling
8-5-603.2	uogussiiig	Curon sumpning
	Pressure-Vacuum Valve Gas	EPA reference method 21 (40 CFR 60, Appendix A),
AAQMD	Tight Determination	Determination of Volatile Organic Compound Leaks
8-5-605	Tight Determination	Determination of Volume Organic Compound Leaks
BAAQMD	Bulk Terminal Limitations	Manual of Procedures, Volume IV, ST-3, Bulk Gasoline Transfer
8-6-301	Bulk Terminal Emitations	Plants or
0 0 301		ST-34, Bulk and Marine Loading Terminals, Vapor Recovery
		Units Refrigeration Unit or Carbon Adsorption Unit
BAAQMD	True Vapor Pressure	Manual of Procedures, Volume III, ST-3, Lab Method 28,
8-6-603	True vapor rressure	Determination of Vapor Pressure of Organic Liquids
BAAQMD	True Vapor Pressure	Standard Reference Texts [Table 1, BAAQMD Regulation 8-5
8-6-604	True vapor rressure	OR
8-0-004		EPA-450/3-87-026 [Exhibit A-2 in Appendix A or Appendix D]
		OR
		Raoult's Law of Partial Pressures for liquid mixtures as defined in
		BAAQMD 8-6-205 or ASTM Method D 2879-83
DAAOMD	Exemption, Wastewater	Manual of Procedures, Volume III, ST-3, Lab Method 33,
BAAQMD 8-8-112	Analysis for Critical Organic	Determination of Dissolved Critical Volatile Organic Compounds
8-8-601	Compounds	in Wastewater Separators
	Exemption, Bypassed Oil-	-
BAAQMD 8-8-114	Water Separator or Air	Manual of Procedures, Volume III, ST-3, Lab Method 33,
	Flotation Influent	Determination of Dissolved Critical Volatile Organic Compounds
8-8-601		in Wastewater Separators
BAAQMD	95% combined collection and destruction efficiency	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
8-8-301.3,		Carbon Sampling, or Method 25, Determination of Total Gaseous Nonmethane Organic
8-8-602	requirement	Emissions as Carbon, or
		Method 25A, Determination of Total Gaseous Organic
DAAOMD	Couging and Cougling Day in a	Concentration Using a Flame Ionization Analyzer
BAAQMD	Gauging and Sampling Devices	EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A),
8-8-303		Determination of Volatile Organic Compound Leaks
<u>8-8-504</u>		
8-8-603	700/1 11 11 11	Mary 1 Character Volume By CETTAL And Co.
BAAQMD	70% combined collection and	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
<u>8-8-305.2,</u>	destruction efficiency	<u>Carbon Sampling, or</u>

VIII. Test Methods

Table VIII Test Methods

Annlicable	1	lest iviethous
Applicable	Description of Description and	A accretable Treet Mathe de
Requirement	Description of Requirement	Acceptable Test Methods
<u>8-8-602</u>	requirement	Method 25, Determination of Total Gaseous Nonmethane Organic
		Emissions as Carbon, or
		Method 25A, Determination of Total Gaseous Organic
D 4 4 6 3 4 5	C + 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Concentration Using a Flame Ionization Analyzer
BAAQMD	Controlled Wastewater	EPA Method 21 (40 CFR 40 CFR, Part 60, Appendix A),
8-8-312	Collection System Components	Determination of Volatile Organic Compound Leaks – Portable
8-8-504	At Petroleum Refineries	hydrocarbon detector
8-8-603		
BAAQMD	Uncontrolled Wastewater	EPA Method 21 (40 CFR 40 CFR, Part 60, Appendix A),
8-8-313.2	Collection System Components	Determination of Volatile Organic Compound Leaks – Portable
8-8-504	At Petroleum Refineries	hydrocarbon detector
8-8-603		
BAAQMD	Wastewater Analysis for	Manual of Procedures, Volume III, ST-3, Lab Method 33,
8-8-601	Critical Organic Compounds	Determination of Dissolved Critical Volatile Organic Compounds
		in Wastewater Separators
BAAQMD	Process Vessel Opening VOC	EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A),
8-10-601	Concentration	Determination of Volatile Organic Compound Leaks
BAAQMD	Prohibition of Manufacture and	ASTM Distillation Method D402, or
8-15-305	Sale	ASTM Distillation Method D244
BAAQMD	Exemption, Controlled Seal	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
8-18-110	Systems and Pressure Relief	Carbon Sampling, or
<u>8-8-603</u>	Devices (95% control	Method 25, Determination of Total Gaseous Nonmethane Organic
	requirement)	Emissions as Carbon, or
		Method 25A, Determination of Total Gaseous Organic
		Concentration Using a Flame Ionization Analyzer
BAAQMD	Exemption, Initial Boiling	ASTM D-1078-98 or ASTM D-86, Initial Boiling Point
<u>8-18-113</u>	<u>Point</u>	
<u>8-8-601</u>		
BAAQMD	Leak inspection procedures	EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A),
8-18-301,		Determination of Volatile Organic Compound Leaks
8-18-302,		
8-18-303,		
8-18-304,		
8-18-305		
8-18-501		
8-8-602		
BAAQMD	Determination of mass	EPA Protocol for Equipment Leak Emission Estimates, Chapter 4,
8-18-306	emissions	Mass Emission Sampling, (EPA-453/R-95-017) November 1995
8-18-604		

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD	95% control requirement	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic
<u>8-28-303.1</u>		Carbon Sampling, or
8-28-304.2		Method 25, Determination of Total Gaseous Nonmethane Organic
8-28-405.2		Emissions as Carbon, or
<u>8-8-214</u>		Method 25A, Determination of Total Gaseous Organic
<u>8-28-602</u>		Concentration Using a Flame Ionization Analyzer
BAAQMD	Ground Level Monitoring	BAAQMD and SIP Manual of Procedures, Volume VI, Section 1,
9-1-301		Area Monitoring
BAAQMD	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of
9-1-304		Sulfur in Fuel Oil
BAAQMD	Sulfur Removal and Recovery	Manual of Procedures, Volume III, Method 25, Determination of
9-1-313.2	System	Sulfur in Effluents or equivalent method approved by APCO
SIP	Sulfur Removal and Recovery	Manual of Procedures, Volume III, Method 25, Determination of
9-1-313.2	System	Sulfur in Effluents or equivalent method approved by APCO
BAAQMD	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
9-1-501		
BAAQMD	Ground Level Monitoring	BAAQMD and SIP Manual of Procedures, Volume VI, Section 1,
9-2-301		Area Monitoring
BAAQMD	Continuous Monitoring	Manual of Procedures, Volume V, Continuous Monitoring
9-2-501		
BAAQMD	Emission Limit for Facility,	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen,
9-10-301	NOx: 0.033 lb NOx/MMBTU	Continuous Sampling and
		ST-14, Oxygen, Continuous Sampling
BAAQMD	Emission Limit For Facility	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen,
9-10-303	(Federal Requirements)	Continuous Sampling and
		ST-14, Oxygen, Continuous Sampling
BAAQMD	CO emission limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide,
9-10-305		Continuous Sampling and
		ST-14, Oxygen, Continuous Sampling
BAAQMD	Small unit tune-up	Manual of Procedures, Volume I, Chapter 5, Boiler, Steam
9-10-306.2	requirements	Generator, and Process Heater Tuning Procedure
BAAQMD	Determination of Nitrogen	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen,
9-10-601	Oxides	Continuous Sampling and
		ST-14, Oxygen, Continuous Sampling
BAAQMD	Determination of Carbon	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide,
9-10-602	Monoxide and Stack-Gas	Continuous Sampling and
	Oxygen	ST-14, Oxygen, Continuous Sampling
40 CFR40	Standards of Performance for	
CFR, Part 60		

VIII. Test Methods

Table VIII Test Methods

Applicable		
	Danasiation of Donasiasas and	A accretable Treet Mathe de
Requirement	Description of Requirement	Acceptable Test Methods
Subpart J	E 1 HOC	10 CEP 10 CEP P
40 CFR 40 CFR,	Fuel gas H2S concentration	40 CFR 40 CFR, Part 60, Appendix A, EPA Method 11,
<u>Part</u>	limit	Determination of Hydrogen Sulfide Content of Fuel Gas Streams
60.104(a)(1)		in Petroleum Refineries, and
		40 CFR 40 CFR, Part 60, Appendix B, Performance Specification
		7, Specifications and Test Procedures for Hydrogen Sulfide
10.077.10	G. 1 1 2 2 2 2	Continuous Emission Monitoring Systems in Stationary Sources
4 0 CFR 40		Volatile Organic Liquid Storage Vessels (Including Petroleum
CFR, Part 60		hich Construction, Reconstruction, or Modification
Subpart Kb	Commenced After July 23, 198	<u> </u>
4 0 CFR 40 CFR,	Vapor Pressure	ASTM Method D2879-83, 96, or 97. Test Method for Vapor
<u>Part</u>		Pressure-Temperature Relationship and Initial Decomposition
60.112b(a)		Temperature of Liquids by Isoteniscope.
<u>60.116b</u>		
40 CFR40 CFR,		60 Subpart VV, 40 CFR40 CFR, Part 60.485(b):
<u>Part</u>	Compounds (VOC); Closed	EPA Reference Method 21 (40 CFR 40 CFR, Part 60, Appendix
60.112b(a)(3)	vent system and control device	A), Determination of Volatile Organic Compound Leaks
(i)	no detectable emissions	
4	Subpart Kb Closed Vent	R-60 Subpart Kb-60.113b(c) Testing and Procedures
0 CFR	System Performance (95%	
60.112b(a)(3)(ii	efficiency)	
)		
4	Subpart Kb External Floating	R 60 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and
0 CFR	Roof Tank primary rim seal	Procedures
60.113b(b)(4)(i)	gap measurement	
4	Subpart Kb External Floating	40 CFR 60 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3)
0 CFR	Roof Tank secondary rim seal	Testing and Procedures
60.113b(b)(4)(ii	gap measurement	
)		
4 0 CFR 40	Standards of Performance for	Equipment Leaks (Fugitive Emission Sources) after January 5,
CFR, Part 60	1981 and on or before Novemb	oer 7, 2006 (10/18/83 6/2/2008)
Subpart VV		
S	Leak inspection procedures	60 Subpart VV, 40 CFR 60.485(b):
ubpart VV		EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A),
4 0 CFR 40 CFR,		Determination of Volatile Organic Compound Leaks
<u>Part</u>		
60.482-1		
<u>through</u>		

311

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
60.482-10	2 decempation of inequalities	Teorphiant Touristand
60.483		
60.485(b)		
60.482-2(b)(1),		
60.482-7(b),		
60.482-8(b),		
60.482-10 (g)		
S	Visual inspection	60 Subpart VV, 40 CFR 60.485(b)
ubpart VV	1	
4		
0-CFR		
6		
0.482-2(b)(2),		
60.482-8(a)		
s	Leak inspection procedures No	60 Subpart VV, 40 CFR 60.485(c):
ubpart VV	detectable emissions standards	EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A),
40 CFR40 CFR,		Determination of Volatile Organic Compound Leaks
<u>Part</u>		
60.482-2(e),		
60.482-4(a),		
60.482-4(b),		
60.482-7(f) <u>:</u>		
60.485(c)		
S	Leak inspection procedures	60 Subpart VV, 40 CFR 60.485(b):
ubpart VV		EPA reference method 21 (40 CFR 60, Appendix
4		A), Determination of Volatile Organic Compound Leaks
0 CFR		
6		
0.483 and		
BAAQMD		
8		
-18-404.1	D	
S		ASTM E260-73, 91, or 96 OR
ubpart VV	process fluid (VOC service determination)	ASTM E168-67, 77, or 92 OR
40 CFR 40 CFR	<u>uctermination)</u>	ASTM E169-63, 77, or 93
Part 60.482.1		
60.482-1		
<u>through</u>		
<u>60.482-10</u>		

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
60.485(d)		
S	Demonstrate equipment is in	ASMT D2879-83, 96, or 97 (Vapor pressure) OR
ubpart VV	light liquid service	Standard reference texts
40 CFR40 CFR,		
<u>Part</u>		
60.482-2		
60.482-7		
60.483		
_60.485(e)		
40 CFR40	Standards of Performance for	Equipment Leaks (Fugitive Emission Sources) after November
CFR, Part 60	7, 2006 (6/2/2008)	
Subpart VVa		
40 CFR40 CFR,	Leak inspection procedures	EPA reference method 21 (40 CFR40 CFR, Part 60, Appendix A),
<u>Part</u>		Determination of Volatile Organic Compound Leaks
<u>60.482-1a</u>		
<u>through</u>		
<u>60.482-10a</u>		
<u>60.483a</u>		
60.485a(b)		
40 CFR40 CFR,	No detectable emissions	EPA reference method 21 (40 CFR40 CFR, Part 60, Appendix A),
<u>Part</u>	<u>standards</u>	Determination of Volatile Organic Compound Leaks
60.482-2a(e),		
60.482-4(aa),		
60.482-4a(b),		
60.482-7(af);		
60.485a(c)		
40 CFR40 CFR,	Determine % VOC content in	ASTM E260-73, 91, or 96 OR
<u>Part</u>	process fluid (VOC service	ASTM E168-67, 77, or 92 OR
<u>60.482-1a</u>	determination)	ASTM E169-63, 77, or 93
through		
<u>60.482-10a</u>		
60.485a(d)		
40 CFR40 CFR,	Demonstrate equipment is in	ASMT D2879-83, 96, or 97 (Vapor pressure) OR
<u>Part</u>	<u>light liquid service</u>	Standard reference texts
<u>60.482-2a</u>		
<u>60.482-7a</u>		

VIII. Test Methods

Table VIII Test Methods

Applicable			
Requirement	Description of Requirement	f Requirement	
60.483a			
60.485a(e)			
40 CFR40	National Emission Standards for Benzene Waste Operations		
CFR, Part 61	·		
Subpart FF			
40 CFR40 CFR,	Uncontrolled Benzene	40 CFR 40 CFR, Part 61 Subpart FF 61.355(k) Test Methods,	
<u>Part</u>	Wastewater Limit	Procedures, and Compliance Provisions	
61.342(e)(2)(i)			
40 CFR	Standards:	EPA reference method 21 (40 CFR 60, Appendix A),	
61.343(a)(1)	Tanks; Fixed Roof Fugitive	Determination of Volatile Organic Compound Leaks	
(i)(A)	emissions less than 500 ppmv		
61.345(a)(1)	Standards: ContainersCovers	EPA reference method 21 (40 CFR 40 CFR, Part 60, Appendix A),	
(i)	and Openings, no detectable	Determination of Volatile Organic Compound Leaks	
61.355(h)	emissions		
61.347(a)(1)	Standards: Oil	EPA reference method 21 (40 CFR 60, Appendix A),	
(i)(A)	Water Separators	Determination of Volatile Organic Compound Leaks	
61.349(a)(1)	Standards: Closed-vent	EPA reference method 21 (40 CFR 60, Appendix A),	
(i)	systems and Control Devices	Determination of Volatile Organic Compound Leaks	
	Closed vent system-no		
	detectable emission >/= 500		
	ppmv, annual inspection		
61.349(a)(2)	Standards: Closed-Vent	EPA reference method 1 (40 CFR 60, Appendix A), Sample and	
(i)(A)	Systems and Control Devices;	velocity traverses for stationary sources, or	
	Enclosed combustion device	EPA reference method 1A (40 CFR 60, Appendix A), Sample and	
	requirements	velocity traverses for stationary sources with small stacks or	
		ducts,	
		EPA reference method 2 (40 CFR 60, Appendix A),	
		Determination of stack gas velocity and volumetric flow rate	
		(Type S pitot tube), or	
		EPA reference method 2A (40 CFR 60, Appendix A), Direct	
		measurement of gas volume through pipes and small ducts, or	
		EPA reference method 2C (40 CFR 60, Appendix A),	
		Determination of stack gas velocity and volumetric flow rate in	
		small stacks or ducts (standard pitot tube), or	
		EPA reference method 2D (40 CFR 60, Appendix A),	
		Measurement of gas volumetric flow rates in small pipes and	
		duets	
		EPA reference method 18 (40 CFR 60, Appendix A),	
		Measurement of Gaseous Organic Compound Emissions by Gas	

VIII. Test Methods

Table VIII Test Methods

Applicable		test Methods	
Requirement	Description of Requirement	Acceptable Test Methods	
-	1	Chromatography	
61.349(a)(2)	Controlled by vapor recovery:	EPA reference method 18 (40 CFR 60, Appendix A),	
(ii)	95% VOC or 98% benzene	Measurement of Gaseous Organic Compound Emissions by Gas	
	control efficiency.	Chromatography	
61.355(c)(3)	Measure benzene concentration	From "Test Methods for Evaluating Solid Waste,	
	in waste streams	Physical/Chemical Methods," EPA Publication No. SW-846:	
		(1) Method 8020, Aromatic Volatile Organics,	
		(2) Method 8021, Volatile Organic Compounds in Water by	
		Purge and Trap Capillary Column Gas Chromatography with	
		Photoionization and Electrolytic Conductivity Detectors in	
		Series	
		(3) Method 8240, Gas Chromatography/Mass Spectrometry for	
		Volatile Organics	
		(4) Method 8260, Gas Chromatography/Mass Spectrometry for	
		Volatile Organics: Capillary Column Technique	
		From 40 CFR Part 136, Appendix A, Test Procedures for Analysis	
		of Organic Pollutants, for wastewaters for which these are	
		approved EPA methods:	
		(1) Method 602, Purgeable Aromatics,	
		Method 624, Purgeables	
61.355(h)	Compliance-no detectible	EPA reference method 21 (40 CFR 60, Appendix A),	
	emissions	Determination of Volatile Organic Compound Leaks	
61.355(i)	Performance test procedures	EPA reference method 1 (40 CFR 60, Appendix A), Sample and	
		velocity traverses for stationary sources, or	
		EPA reference method 1A (40 CFR 60, Appendix A), Sample and	
		velocity traverses for stationary sources with small stacks or	
		ducts,	
		EPA reference method 2 (40 CFR 60, Appendix A),	
		Determination of stack gas velocity and volumetric flow rate	
		(Type S pitot tube), or	
		EPA reference method 2A (40 CFR 60, Appendix A), Direct	
		measurement of gas volume through pipes and small ducts, or	
		EPA reference method 2C (40 CFR 60, Appendix A),	
		Determination of stack gas velocity and volumetric flow rate in small stacks or duets (standard pitot tube), or	
		EPA reference method 2D (40 CFR 60, Appendix A),	
		Measurement of gas volumetric flow rates in small pipes and	
		ducts	
L	1	ando	

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
		EPA reference method 18 (40 CFR 60, Appendix A),
		Measurement of Gaseous Organic Compound Emissions by Gas
		Chromatography
BAAQMD	1.5 psia requirementVapor	Manual of Procedures, Volume III, Lab Method 28,
Condition 1240,	pressure determination	Determination of Vapor Pressure of Organic Liquids from Storage
parts II.26,		Tanks
<u>II.31,</u> II.31a,		
II.42, II.50,		
II.51, II.52,		
II.64a, II.71,		
<u>II.72, II.73,</u>		
<u>II.90</u>		
BAAQMD		
Condition		
20762, parts 1, 2		
BAAQMD	No detectable fugitive organic	Components in vacuum service. Exempt from
Condition 1240,	emissions in excess of 100	EPA reference method 21 inspection per exemption in BAAQMD
part II.32d and	ppmv, measured as total	8-18-116.
BAAQMD	organic compounds	
8-18-116		
BAAQMD	Vapor recovery and fugitive	Components in vacuum service. Exempt from EPA reference
Condition 1240,	emission requirement	method 21 inspection per exemption in BAAQMD 8-18-116.
part II.44 and		
BAAQMD		
8-18-116		
BAAQMD	Fugitive emissions at vapor	Components in vacuum service. Exempt from EPA reference
Condition 1240,	recovery equipment	method 21 inspection per exemption in BAAQMD 8-18-116.
part II.53 and		
BAAQMD		
8-18-116		
BAAQMD	Fugitive emissions at vapor	Components in vacuum service. Exempt from EPA reference
Condition 1240,	recovery equipment	method 21 inspection per exemption in BAAQMD 8-18-116.
part II.86 and		
BAAQMD		
8-18-116		

Permit for Facility #: A0901

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] are not applicable to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

VIII. Test Methods

Table IX A - 1 **Permit Shield for Non-applicable Requirements** S30, MARINE LOADING DOCK (DELETED IN REVISION 2, S30 IS NO LONGER IN OPERATION)

Permit for Facility #: A0901

IX. Permit Shield

B. Subsumed Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, as of the date this permit is issued, the federally enforceable "subsumed" monitoring requirements cited in the following table do not apply to the source or group of sources identified at the top of the table. The District has determined that compliance with the requirements listed below and elsewhere in this permit will assure compliance with the substantive requirements of the "subsumed" monitoring requirements. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the "subsumed" monitoring requirements cited.

Table IX B - 1 Permit Shield for Subsumed Requirements \$1, \$2, \$4, \$AND \$23, \$CRUDE STORAGE TANKS (DELETED IN REVISION 2. OWNERSHIP OF \$1, \$2, \$4, \$AND \$23 TRANSFERRED TO FACILITY \$B5574 BY \$APPLICATION \$NO. 7980/8915)

IX. Permit Shield

Table IX B - 21**Permit Shield for Subsumed Requirements COMPONENTS**

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
NSPS	Pump Leak above 10,000 ppm	BAAQMD 8-18-303	Minimization of pump leak >
Subpart VV,	or dripping liquid: First repair		500 ppm within 24 hours and
4 0 CFR 40	attempt before 5 days and		repair within 7 days.
CFR, Part	repair before 15 days.		
60.482-2(c)			
NSPS	Valve Leak above 10,000 ppm:	BAAQMD 8-18-302	Minimization of valve leak >
Subpart VV,	First repair attempt before 5		100 ppm within 24 hours and
40 CFR40	days and repair before 15 days.		repair within 7 days.
CFR, Part			
60.482-7(d)			
NSPS	Allows relief from 60.482.7(a)	BAAQMD 8-18-404	BAAQMD Regulation 8-18-404
Subpart VV,	monitoring if designated as		does not allow this relief.
40 CFR40	unsafe-to-monitor.		
CFR, Part			
60.482-7(g)			
NSPS	Allows relief from 60.482.7(a)	BAAQMD 8-18-206	Definition of inaccessible is
Subpart VV,	monitoring if designated as		more stringent. Both
4 0 CFR 40	difficult-to-monitor.		60.482.7(h) and 8-18-401.3
CFR, Part			require yearly monitoring for
60.482-7(h)			difficult-to-monitor valves.
NSPS	Allows delay of repair beyond	BAAQMD 8-18-306	BAAQMD Regulation 8-18-306
Subpart VV,	a process unit shutdown under		does not allow this relief.
4 0 CFR 40	supply circumstances.		
CFR, Part			
60.482-9(e)			
NSPS	Alternative compliance plan	BAAQMD 8-18-308	Requires public noticing and
Subpart VV,	only requires EPA approval.		EPA approval of alternative
4 0 CFR 40			compliance plan.
CFR, Part			
60.484			
<u>NSPS</u>	Pump Leak above 10,000 ppm	BAAQMD 8-18-303	Minimization of pump leak >

IX. Permit Shield

Table IX B - 21**Permit Shield for Subsumed Requirements COMPONENTS**

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
Subpart VVa,	or dripping liquid: First repair		500 ppm within 24 hours and
40 CFR40	attempt before 5 days and		repair within 7 days.
CFR, Part	repair before 15 days.		
60.482-2a(c)			
<u>NSPS</u>	Valve Leak above 10,000 ppm:	BAAQMD 8-18-302	Minimization of valve leak >
Subpart VVa,	First repair attempt before 5		100 ppm within 24 hours and
40 CFR40	days and repair before 15 days.		repair within 7 days.
CFR, Part			
60.482-7a(d)			
<u>NSPS</u>	Allows relief from 60.482.7(a)	BAAQMD 8-18-404	BAAQMD Regulation 8-18-404
Subpart VVa,	monitoring if designated as		does not allow this relief.
40 CFR40	unsafe-to-monitor.		
CFR, Part			
60.482-7a(g)			
<u>NSPS</u>	Allows relief from 60.482.7(a)	BAAQMD 8-18-206	<u>Definition of inaccessible is</u>
Subpart VVa,	monitoring if designated as		more stringent. Both
40 CFR40	difficult-to-monitor.		60.482.7(h) and 8-18-401.3
CFR, Part			require yearly monitoring for
60.482-7a(h)			difficult-to-monitor valves.
<u>NSPS</u>	Allows delay of repair beyond	BAAQMD 8-18-306	BAAQMD Regulation 8-18-306
Subpart VVa,	a process unit shutdown under		does not allow this relief.
40 CFR40	supply circumstances.		
CFR, Part			
60.482-9a(e)			
<u>NSPS</u>	Alternative compliance plan	BAAQMD 8-18-308	Requires public noticing and
Subpart VVa,	only requires EPA approval.		EPA approval of alternative
40 CFR40			compliance plan.
CFR, Part			
<u>60.484a</u>			

321

IX. Permit Shield

Permit for Facility #: A0901

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 17468):

December 1, 2003

Administrative Amendment (no application):

May 27, 2004

Deferral of effective date for monitoring conditions for BAAQMD Regulation 9, Rule 10 in Section IV and VII tables for sources S19, S20, and S21 and in BAAQMD Condition 20617.

Minor Revision (Application 7471):

September 2, 2004

Add new daily throughput limit and delete operating hours limit for S70, Asphalt Additive Mixing Tank, in BAAQMD Condition 20278 and the Section IV and VII tables for S70.

Reopening (Application 9297):

December 16, 2004

Deletion of S29, Merox Treater

Deletion of temperature excursion language in BAAQMD Condition 1240, part I.19

Revision of BAAQMD Condition #21233 for monitoring of limits in BAAQMD Regulation 9, Rule 11

Addition of BAAQMD Regulation 1-523, Parametric Monitoring and Recordkeeping Procedures, for equipment with parametric monitors

Other details in final Statement of Basis for reopening

Significant Revision

October 17, 2007

Application 10333/10334 Abatement Modifications for S26 & S27 Revisions to Table IIB, IV-R & S and VII-R & S

Application 11356 NOx Box Creation for S19, S20 & S21.

Change in NOx Box Condition 21233 in Section VI

Application 11815 A4 Operating Temperature

Condition 1240, part I.19 in Section VI and Table VII – AM

Application 12703/12704 A-31 Operating Temperature

Change in Condition 1240.II.58b in Section VI and Table VII – P

Application 12421 Tank Operation in Low Vapor Pressure Service

Addition of Condition 20762, changes to Tables IV-A and VII – A

Application 12477/12660 Minor Revisions to NOx Box Condition 21233

Miscellaneous clarifications including Part 7.A.1 in Section VI. Application 12236/12237 S24 Abatement Service Operating Temperature

Permit for Facility #: A0901

IX. Permit Shield

Change in Condition 1240.II.58b and Table VII – AN

Application 12869, Correction of Test Methods

Revision to Table VIII, BAAQMD 8-5-328.1.2

Application 12875/13044 S-19 Source Test Minor Revision

Change in Condition 1240.I.16a in Section VI.

Application 13010/13011 Minor Revision to S-19 NOx Box

Revision to Condition 21233 Part 5.A in Section VI

Application 13206/13207 NSPS Subpart J 60.104(a)(1)

Change in Condition 1240.I.11 in Section VI and Table VII-M

Application 13812/13867 Kerosene Blending into Asphalt

Change in Condition 1240.II.71 in Section VI

Revision to Tables VII-K (S17) and VII-AB (S54)

Application 13941/13977 Emergency Diesel Air Compressor

Addition of Condition 22928 in Section VI

Revision of Conditions 1240.I.6, I.18g & I.18i, and 18796 in Section VI

Addition of Tables IV-AQ and VII-AQ

Additions of S71 and A71 to Tables IIA and IIB

Application 7980/8915 Valero LP Tank Ownership Transfer

Transfer ownership of S1, S2, S4, and S23 to Valero Logistics Operations (Facility B5574)

Major Facility Permit issued by BAAQMD on October 4, 2006 as

Administrative Amendment

Changes in Tables IIA, IIB, and Section VII tables.

Delete Tables IV-B, VII-B, and IX-B-1

Delete Conditions 1240.II.1 and II.11 through24

Change Conditions 1240.I.14 and I.18c

Application 15805/15806 Administrative change to NOx Box operating parameter S19 (F-4601)

Revision of Condition 21233

Removal of S30 Marine Loading Dock, no longer in service since April 5, 2005 per Valero's request letter dated April 17, 2007

Delete all applicable requirements and conditions related to S30

Renewal (Application 18289)

(October 2009)

<u>Application 17031/17030 Administrative Amendment to allow temperature excursion for A-31 thermal oxidizer</u>

Application 19194/19193 Atmospheric PRD removal project

<u>Application 19635/19384 Signification permit revision for A31/S24 minimum</u> operating temperature

Application 19643/19631 Compliance option for Benzene Waste NESHAP

IX. Permit Shield

40 CFR40 CFR, Part 61 Subpart FF

325

Permit for Facility #: A0901

XI. GLOSSARY

ACP

Alternative Compliance Plan pursuant to BAAQMD Regulation 2, Rule 9, Interchangeable Emission Reduction Credits

ACT

Federal Clean Air Act

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEM

Continuous Emission Monitor

CEOA

California Environmental Quality Act

CFR

The Code of Federal Regulations. 40 CFR40 CFR, Part contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR40 CFR, Part contain the requirements for air pollution programs.

CO

Carbon Monoxide

CO₂

Carbon Dioxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

dscm

dry standard cubic meter

District

Permit for Facility #: A0901

XI. Glossary

The Bay Area Air Quality Management District

EMP

Environmental Management Plan

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District regulations.

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

GLM

Ground Level Monitor

H2S

Hydrogen Sulfide

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

HC

Hydrocarbon

IERC

Interchangeable Emission Reduction Credit

LEL

Lower Explosive Limit

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

Permit for Facility #: A0901

XI. Glossary

MDWEIGHT

Thousand Dead Weight Tons

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Federal Clean Air Act and implemented by District Regulation 2, Rule 6.

MM

Million

MOP

The District's Manual of Procedures.

NA

Not applicable

NAAQS

National Ambient Air Quality Standards

NESHAPS

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63

NH3

Ammonia

NMHC

Non-methane Hydrocarbons

NOx

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and

Permit for Facility #: A0901

XI. Glossary

SO2.

OHAP

Organic Hazardous Air Pollutant

PHA

Process Hazard Analysis as defined by BAAQMD Regulation 8, Rule 28.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR40 CFR, Part 72 from Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Particulate Matter

PMP

Prevention Measures Procedures

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

Process Unit

For the purpose of start-up and shutdown reporting, a unit is defined as in 40 CFR Part 60, Subpart GGG, which states: "Process Unit means components assembled to produce intermediate or final products from petroleum, unfinished petroleum derivatives, or other intermediates; a process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

RACT

Reasonably Available Control Technology

Shutdown

For reporting purposes only, a shutdown shall be defined as any of the following: there is no process feed to a unit, no furnace fires, or the boundary blinds are installed.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I

Permit for Facility #: A0901

XI. Glossary

of the Act.

SO₂

Sulfur dioxide

SO_3

Sulfur trioxide

ST-7

Source Test Method #7: Non-Methane Organic Carbon Sampling

Start-up

For reporting purposes only, a start-up shall be defined as any of the following: the removal of boundary blinds, first fire to a furnace, or the introduction of process feed to a unit. A start-up only occurs following a shutdown unless it involves a newly constructed process unit.

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TRMP

Toxic Risk Management Plan

TSP

Total Suspended Particulate

TVP

True Vapor Pressure, psia

VOC

Volatile Organic Compounds

VOL

Volatile Organic Liquid

Units of Measure:

bbl	=	barrel
bhp	=	brake-horsepower
btu	=	British Thermal Unit
cm	=	centimeter
g	=	grams
gal	=	gallon
gpm	=	gallons per minute

XI. Glossary

hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m	=	meter
m^2	=	square meter
min	=	minute
mm	=	millimeter
Mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

Permit for Facility #: A0901

XII. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions