



TRANSMONTAIGNE

SEP 27 PM 12:57

September 23, 2022

UPS Tracking #: 1Z 1V0 21V 02 9262 6358

Director of Compliance and Enforcement
Bay Area Air Quality Management District
Attention: Title V Reports
375 Beale Street, Suite 600
San Francisco, CA 94105

TV Tracking #: 599

1. RECEIVED IN 09/27/2022
ENFORCEMENT: _____

RE: *TransMontaigne Operating Company L.P. – Martinez Terminal
2801 Waterfront Road, Martinez, CA 94553
Title V Permit Facility #A7034
Semi-Annual Monitoring Report for the Period March 01, 2022 – August 31, 2022*

Dear Director:

Enclosed is the Semi-Annual Title V Monitoring Report for the TransMontaigne Operating Company L.P. (TransMontaigne) Martinez Terminal, Facility #A7034.

If there are any questions regarding this report, please contact me at (303) 860-5128 or by email at DWold@TransMontaigne.com.

Sincerely,

TRANSMONTAIGNE OPERATING COMPANY, L.P.

Dirk L. Wold

Dirk Wold
Air Quality Compliance Manager

Enclosure

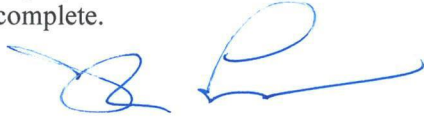
Cc: Mr. Ed Luebke, TransMontaigne
Bobby Ivanov, TransMontaigne
ESOH File AR.008.MART

**Attachment 1
Compliance Certification**

**RE: *TransMontaigne Operating Company L.P. – Martinez Terminal
2801 Waterfront Road, Martinez, CA 94553
Title V Permit Facility #A7034
Semi-Annual Monitoring Report for the Period March 01, 2022 – August 31, 2022***

RESPONSIBLE OFFICIAL CERTIFICATION

I, the undersigned, am a responsible official of the source for which this document is being submitted. With respect to all matters, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and information contained in this document are true, accurate, and complete.



Signature of Responsible Official



Date Signed

Ed Luebke

Printed Name

Senior V.P. of Operations

Title

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-303.1	Y	None	PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-303.2	Y	None	gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-306	Y	None	Controlled \geq 95% weight and gas tight (< 500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N	None	Tank degassing \geq 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y	None	90% abatement efficiency (tank cleaning)	SIP 8-5-502 8-5-603.2	P/A	Source Test
POC	BAAQMD 8-5-331	Y	None	Tank cleaning \geq 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y	None	Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	Subpart K 40 CFR 60.112(a) (1)	Y	None	Vapor Recovery System	Subpart K 40 CFR 60.113(d) (2)	None	None

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-1 THROUGH S-10 - FIXED ROOF TANKS
Subject to NSPS Subpart K and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.112b(a) (3)(i)	Y	None	Vapor Recovery System no detectable emissions \geq 500 ppm	Subpart Kb 40 CFR 60.113b(c) (2)	C	Comply with operating plan
POC	Subpart Kb 40 CFR 60.112b(a) (3)(ii)	Y	None	Vapor Recovery System \geq 95% control	Subpart R 40 CFR 63.425(a) (1) 63.425(b) 63.425(c) Subpart XX 60.503	P/A	Source Test
POC	Subpart Kb 40 CFR 60.116b(c)	Y	None	Record of liquid stored and true vapor pressure	60.116b(c) 60.116b(e)	P/E upon change of service	Records
POC	Subpart Kb 40 CFR 60.116b(f)	Y	None	Waste Mixture Record of liquid stored and true vapor pressure	60.116b(f)(1) 60.116b(f)(2)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 1253, part IIID	Y	None	1.44 pounds/1000 barrels for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temperature limit	BAAQMD Condition # 1253, part IID2ii & IV.7	Y	None	1400° F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANKS
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-303.1	Y	None	PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-303.2	Y	None	gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-306	Y	None	Controlled \geq 95% weight and gas tight (< 500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N	None	Tank degassing \geq 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y	None	90% abatement efficiency (tank cleaning)	SIP 8-5-502 8-5-603.2	P/A	Source Test
POC	BAAQMD 8-5-331	Y	None	Tank cleaning \geq 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y	None	Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-11, S-18 AND S-19 - FIXED ROOF TANKS
Not Subject to NSPS Subpart K and MACT Subpart R due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IID	Y	None	1.44 pounds/1000 barrels for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temperature limit	BAAQMD Condition # 1253, part IID	Y	None	1400° F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12- FIXED ROOF TANK
Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-303.1	Y	None	PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-303.2	Y	None	gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-306	Y	None	Controlled \geq 95% weight and gas tight (< 500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12- FIXED ROOF TANK

Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-328.1	N	None	Tank degassing \geq 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y	None	90% abatement efficiency (tank cleaning)	SIP 8-5-502 8-5-603.2	P/A	Source Test
POC	BAAQMD 8-5-331	Y	None	Tank cleaning \geq 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y	None	Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	Subpart Kb 40 CFR 60.112b(a)(3)(i)	Y	None	Vapor Recovery System no detectable emissions \geq 500 ppm	Subpart Kb 40 CFR 60.113b(c)(2)	C	Comply with operating plan
POC	Subpart Kb 40 CFR 60.112b(a)(3)(ii)	Y	None	Vapor Recovery System \geq 95% control	Subpart R 40 CFR 63.425(a)(1) 63.425(b) 63.425(c) Subpart XX 60.503	P/A	Source Test
POC	Subpart Kb 40 CFR 60.116b(c)	Y	None	Record of liquid stored and true vapor pressure	60.116b(c) 60.116b(e)	P/E upon change of service	Records
POC	Subpart Kb 40 CFR 60.116b(f)	Y	None	Waste Mixture Record of liquid stored and true vapor pressure	60.116b(f)(1) 60.116b(f)(2)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.81 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-12- FIXED ROOF TANK

Subject to MACT Subpart R but not NSPS Subpart K due to Capacity

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IIID	Y	None	1.44 pounds/1000 barrels for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temperature limit	BAAQMD Condition # 1253, part IID	Y	None	1400° F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-304.6.1	N	None	EFR leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-320.3.1	Y	None	Gasketed cover, seal or lid with gap ≤ 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y	None	Well with cover, seal or lid with gap ≤ 0.32 cm (1/8 in)	BAAQMD 8-5-401.2, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y	None	Gap between well and roof less than 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/SA	Inspection Certification

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.5.2	Y	None	Well with cover gasket, a pole sleeve, pole wiper, and internal float with gap \leq 1/2 in, or zero gap pole wiper seal	BAAQMD 8-5-401.2, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y	None	Gap between well and roof \leq 1.3 cm (1/2 in)	BAAQMD 8-5-401.2, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-321.3	Y	None	Primary seal metallic shoe extends a minimum 61 cm (24 in) above liquid surface	BAAQMD 8-5-401.1, 8-5-404	P/SA r	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y	None	Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-401.1, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-321.3.2	Y	None	Gap between tank shell and the primary seal \leq 3.8 cm (1 1/2 in). No continuous gap $>$ 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) \leq 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) \leq 40% of circumference	BAAQMD 8-5-401.1, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-322.2	Y	None	Secondary seal shall allow easy insertion of probes up to 3.8 cm (1 1/2 in) in width	BAAQMD 8-5-401.1, 8-5-404	P/SA	Inspection Certification
POC	BAAQMD 8-5-322.3	Y	None	Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-401.1, 8-5-404	P/10 yr P/SA	Inspection Certification

TransMontaigne – Martinez Terminal – Facility #A7034
Semi-Annual Monitoring Report
Period: MAR 01, 2022 Through AUG 31, 2022

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-328.1	N	None	Tank degassing \geq 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y	None	90% abatement efficiency (tank cleaning)	SIP 8-5-502 8-5-603.2	P/ A	Source Test
POC	BAAQMD 8-5-331	Y	None	Tank cleaning \geq 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y	None	Certification reports on tank inspections and source tests	BAAQMD 8-5-404 SIP 8-5-404 SIP 8-5-405	P/ after each tank inspection and source test	Certification report
POC		Y	None	Records of tank seal replacement	BAAQMD 8-5-501.2	P/ for each tank seal replacement	Records (retain 10 years)
POC		Y	None	Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	Subpart Kb 40 CFR 60.112b (a)(2)(ii)	Y	None	EFR deck fitting closure standards; includes gasketed covers	40 CFR 60.113b(b)(6)	Each time emptied & degassed	Visual inspection
POC	Subpart Kb 40 CFR 60.113b (b)(4)(i)	Y	None	EFR primary rim-seal standards; includes gap criteria	60.113b(b)(1) 60.113b(b)(2) 60.113b(b)(3)	P/ at 5 year intervals	Measurement and visual inspection
POC	Subpart Kb 40 CFR 60.113b (b)(4)(ii)	Y	None	EFR secondary rim-seal standards; includes gap criteria	60.113b(b)(1) 60.113b(b)(2) 60.113b(b)(3)	P/A	Measurement and visual inspection

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-13, S-14, S-15, S-16 – EXTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.116b(c)	Y	None	Record of liquid stored and true vapor pressure	60.116b(c)	P/E upon change of service	Records
POC		Y	None	EFR seal inspection records for report in 60.115b(b)(2)	60.115b(b)(3)	P/A For each gap measurement	Records
POC		Y	None	EFR inspection report for non-compliant seals	60.115b(b)(4)	P/A Within 30 days of seal inspection	Report
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-21 – MARINE VESSEL WHARF

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-44-304	N	None	POC Emission \leq 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or emission controlled \geq 95% wt.	BAAQMD Condition # 1253, part IV, Section 3b and 11	C/A	Continuous Temperature monitor and Source Test
POC	SIP BAAQMD 8-44-301.1	Y	None	POC Emission \leq 5.7 grams per cubic meter (2 lb/1000 barrel) loaded, or	BAAQMD Condition # 1253, part IV, Section 3b and 11	C/A	Continuous Temperature monitor and Source Test

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-21 – MARINE VESSEL WHARF

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP BAAQMD 8-44.301.2	Y	None	Controlled \geq 95% weight	BAAQMD Condition # 1253, part IV, Section 3b and 11	C/A	Continuous Temperature monitor and Source Test
POC	Subpart Y 40 CFR 63.562(c) (2)(iii)	Y	None	Vapor tight	40 CFR 63.563(a)(4)	P/A	Leak test
POC	Subpart Y 40 CFR 63.562(c) (3)	Y	None	RACT existing source, controlled \geq 98% weight by combustion device	40 CFR 63.563(b)(6)(i) (A), 63.564(a)(3)	C/A	Continuous Temperature monitor and Source Test
POC	Subpart Y 40 CFR 63.562(c) (4)	Y	None	VOC \leq 1000 ppmv	40 CFR 63.564(g)(1), BAAQMD Condition # 1253, part IV, Section 3b and 11	C/A	Continuous Temperature monitor and Source Test
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID, Schedule D	P/A	Calculations and Records
POC	BAAQMD Condition # 1253 part IV, section 2	Y	None	95% controlled efficiency or 2 lb/ 1000 barrels of gasoline loaded	BAAQMD Condition # 1253, part IV, Section 3b and 11	C/A	Continuous Temperature Monitor and Source test

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-21 – MARINE VESSEL WHARF

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253 part IV, section 7	Y	None	Minimum operating incinerator temperature of \geq 1400°F. unless modified by the District, based on source test results	BAAQMD Condition # 1253, part IV, Section 3b	C	Continuous temperature monitor
POC	BAAQMD Condition # 1253 part IV, section 9	Y	None	Loading pressure shall not exceed 80% of the lowest relief valve set pressure	None	P/E	Inspection
SO2	BAAQMD Regulation 9-1-303	Y	None	SO2 < 2000 ppm, or Fuel Sulfur < 3.34% by weight	BAAQMD Regulation 9-1-602 Condition # 1253, part IIID, schedule E	P/Q	Analysis reports
Temperature limit	BAAQMD Condition # 1253, part IID Section 2ii, Part IV, Section 7	Y	None	1400° F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

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 Semi-Annual Monitoring Report
 Period: MAR 01, 2022 Through AUG 31, 2022

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S-30 – OILY WATER SEPARATOR

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-8-301	Y	None	No cracks and gaps > 0.32 cm (0.125 inch)	BAAQMD Regulation 8-8-301	P/SA	Inspection
POC	BAAQMD Regulation 8-8-303	Y	None	Vapor Tight	BAAQMD Regulation 8-8-603	None	Inspection
POC	BAAQMD Regulation 8-8-305	Y	None	No cracks and gaps > 0.32 cm (0.125 inch)	BAAQMD Regulation 8-8-305	P/SA	Inspection
POC	BAAQMD Condition # 24966, part 5	Y	None	Second to last carbon vessel outlet > 10% of inlet concentration or >10 ppmv	BAAQMD Condition # 24966, part 3	P/M	FID Inspection
POC	BAAQMD Condition # 24966, part 6	Y	None	Last carbon vessel outlet > 10 ppmv	BAAQMD Condition # 24966, part 3	P/M	FID Inspection
Through-put	BAAQMD Condition # 24966, part 1	Y	None	650,000 gallons per any consecutive 12-month period	BAAQMD Condition # 24966, part 7	C	Records
Through-put	BAAQMD Condition # 24966, part 2	Y	None	100 scfm to carbon abatement	None	N/A	None

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-27, AND S-28 - FIXED ROOF TANKS
Subject to NSPS Subpart Ka and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-303.1	Y	None	PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-303.2	Y	None	gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
POC	BAAQMD 8-5-306	Y	None	Controlled \geq 95% weight and gas tight (<500 ppm)	BAAQMD 8-5-403 BAAQMD Condition # 1253, part IV, Section 3b	C P/A	Continuous Temperature Monitor and Source Test
POC	BAAQMD 8-5-328.1	N	None	Tank degassing \geq 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y	None	90% abatement efficiency (tank cleaning)	SIP 8-5-502 8-5-603.2	P/A	Source Test
POC	BAAQMD 8-5-331	Y	None	Tank cleaning \geq 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y	None	Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
POC	Subpart Ka 40 CFR 60.112(a)(3)	Y	None	Controlled \geq 95%	Subpart Ka 40 CFR 60.113(a)(2)	N	None

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-27, AND S-28 - FIXED ROOF TANKS
Subject to NSPS Subpart Ka and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart Kb 40 CFR 60.112b(a) (3)(i)	Y	None	Vapor Recovery System no detectable emissions \geq 500 ppm	Subpart Kb 40 CFR 60.113b(c) (2)	C	Comply with operating plan
POC	Subpart Kb 40 CFR 60.112b(a) (3)(ii)	Y	None	Vapor Recovery System \geq 95% control	Subpart R 40 CFR 63.425(a) (1) 63.425(b) 63.425(c) Subpart XX 60.503	P/A	Source Test
POC	Subpart Kb 40 CFR 60.116b(c)	Y	None	Record of liquid stored and true vapor pressure	60.116b(c) 60.116b(e)	P/E upon change of service	Records
POC	Subpart Kb 40 CFR 60.116b(f)	Y	None	Waste Mixture Record of liquid stored and true vapor pressure	60.116b(f)(1) 60.116b(f)(2)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.81 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC see note in IV-A	BAAQMD Condition # 1253, part IIID	Y	None	1.44 pounds/1000 barrels for bubble compliance determination	BAAQMD Condition # 1253, part IV, Section 3	C/A	Continuous Temperature monitor and Source Test
Temperature limit	BAAQMD Condition # 1253, part IID2ii & IV.7	Y	None	1400° F. in outlet or as determined by source test	BAAQMD Condition # 1253, part IV Section 3	C	Temperature monitoring

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-73 – DIRECT FIRED HEATER

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Condition # 13720, part 1	Y	None	Natural gas \leq 90 M SCF/12 months	BAAQMD Condition # 13720, part 6	C	Flow meter
SO ₂	BAAQMD Regulation 9-1-301	Y	None	Ground Level Concentration > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO ₂	BAAQMD Regulation 9-1-302	Y	None	\leq 300 ppm SO ₂ , dry	None	N	None
SO ₂	BAAQMD Condition # 1253, part IB	Y	None	83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NO _x	SIP Regulation 9-7-301.1	Y	None	30 ppmv dry, @ 3% O ₂	BAAQMD Condition # 13720, part 5	P/A	Source test
NO _x	BAAQMD Regulation 9-7-307.3	N	None	15 ppmv dry, @ 3% O ₂	BAAQMD Condition # 13720, part 5	P/A	Source test
NO _x	BAAQMD Condition # 1253, part IB	Y	None	129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NO _x	BAAQMD Condition # 13720, Part 2	Y	None	15 ppmv @3% O ₂	BAAQMD Condition # 13720, part 5	P/A	Source test
CO	SIP Regulation 9-7-301.2	Y	None	400 ppmv dry, @ 3% O ₂	BAAQMD Condition # 13720, part 5	P/A	Source test

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-73 – DIRECT FIRED HEATER

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 1253, part IB	Y	None	52.2 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
CO	BAAQMD Condition # 13720, part 3	Y	None	50 ppmv @ 3 % O2	BAAQMD Condition # 13720, part 5	P/A	Source test
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
Visible Emissions	BAAQMD 6-1-301	N	None	Visible emission must not be dark or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Emissions	SIP 6-301	Y	None	Visible emission must not be dark or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Emissions	BAAQMD 6-1-304	N	None	During tube cleaning, visible emission must not be dark or darker than Ringelmann No. 2 for a period of more than 6 minutes in 24 hours	None	N	N
Visible Emissions	SIP 6-304	Y	None	During tube cleaning, visible emission must not be dark or darker than Ringelmann No. 2 for a period of more than 6 minutes in 24 hours	None	N	N

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-73 – DIRECT FIRED HEATER

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310.3	N	None	Particulate Matter < 343 mg per dscm (0.15 gr/dscf) @ 6% oxygen volume	None	N	N
FP	BAAQMD 6-310.3	Y	None	Particulate Matter < 343 mg per dscm (0.15 gr/dscf) @ 6% oxygen volume	None	N	N
PM	BAAQMD Condition # 1253, part IB	Y	None	25.8 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – J.1
Applicable Limits and Compliance Monitoring Requirements
S-75 EMERGENCY DIESEL GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Visible Emissions	BAAQMD 6-1-303.1	N	None	≥ Ringelmann No. 2 for no more than 3 minutes/hour	BAAQMD Regulation 6-1-401	C	Visible Inspection
Visible Emissions	SIP Regulation 6-303.1	Y	None	≥ Ringelmann 2.0 for no more than 3 minutes/hour	SIP Regulation 6-401	C	Visible Inspection
Visible Particles	BAAQMD 6-1-305	N	None	Prohibition of nuisance	None	N	N/A
Visible Particles	SIP 6-305	Y	None	Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310	N	None	0.15 gr/dscf	None	N	N/A
FP	SIP Regulation 6-310	Y	None	0.15 gr/dscf	None	N	N/A

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Table VII – J.1
Applicable Limits and Compliance Monitoring Requirements
S-75 EMERGENCY DIESEL GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	BAAQMD Regulation 9-1-301	Y	None	Ground Level Concentration > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO ₂	BAAQMD Regulation 9-1-302	Y	None	≤ 300 ppm SO ₂ , dry	None	N	None
SO ₂	BAAQMD Regulation 9-1-304	Y	None	Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
Hours of operation	BAAQMD 9-8-330.3	N	None	< 50 hours/year for reliability-related activities	BAAQMD 9-8-530	C	Totalizing meter
					BAAQMD 9-8-520.1 & 9-8-530	M	Records
Hours of operation	CCR, Title 17, Section 93115.6 (a)(3)(A)(1) (c)	N	None	< 50 hours/year for maintenance and testing	CCR, Title 17, Section 93115.10 (e)(1)	C	Totalizing Counter
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of operation	BAAQMD Condition # 19308, Part 2	Y	None	50 hours per year	BAAQMD Condition # 19308, Parts 3 & 4	C	Totalizing meter
Hours of operation	40 CFR 63.6640 (f)(1)(ii)	Y	None	< 100 hours/year for readiness testing	40 CFR 63.6625(f)	C	Totalizing meter
Hours of operation	40 CFR 63.6640 (f)(1)(iii)	Y	None	< 50 hours/year for non-emergency and not readiness testing	40 CFR 63.6625(f)	C	Totalizing meter

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Table VII – J.2
Applicable Limits and Compliance Monitoring Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Visible Emissions	BAAQMD 6-1-303.1	N	None	≥ Ringelmann No. 2 for no more than 3 minutes/hour	BAAQMD Regulation 6-1-401	C	Visible Inspection
Visible Emissions	SIP Regulation 6-303.1	Y	None	≥ Ringelmann 2.0 for no more than 3 minutes/hour	SIP Regulation 6-401	C	Visible Inspection
Visible Particles	BAAQMD 6-1-305	N	None	Prohibition of nuisance	None	N	N/A
Visible Particles	SIP 6-305	Y	None	Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310	N	None	0.15 gr/dscf	None	N	N/A
FP	SIP Regulation 6-310	Y	None	0.15 gr/dscf	None	N	N/A
SO ₂	BAAQMD Regulation 9-1-301	Y	None	Ground Level Concentration > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO ₂	BAAQMD Regulation 9-1-302	Y	None	≤ 300 ppm SO ₂ , dry	None	N	None
SO ₂	BAAQMD Regulation 9-1-304	Y	None	Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
SO ₂	40 CFR 60.4207(a)	Y	None	Use diesel fuel that meets 500 ppm sulfur content per 40 CFR 80.510(a) requirements	None	N	N/A

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Table VII – J.2
Applicable Limits and Compliance Monitoring Requirements
S-91 EMERGENCY DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	40 CFR 60.4207(b)	Y	None	Use diesel fuel that meets 15 ppm sulfur content per 40 CFR 80.510(b) for nonroad diesel	None	N	N/A
Hours of operation	BAAQMD 9-8-330.3	N	None	< 50 hours/year for reliability-related activities	BAAQMD 9-8-530	C	Totalizing meter
					BAAQMD 9-8-520.1 & 9-8-530	M	Records
Hours of operation	CCR, Title 17, Section 93115.6 (a)(3)(A)(1) (c)	N	None	< 50 hours/year for maintenance and testing	CCR, Title 17, Section 93115.10 (e)(1)	C	Totalizing Counter
					CCR, Title 17, Section 93115.10(g)	M	Records
Hours of operation	BAAQMD Condition # 22850, Part 1	Y	None	50 hours per year	BAAQMD Condition # 22805, Parts 3& 4	C	Totalizing meter
Hours of operation	40 CFR 60.4211(e)	Y	None	< 100 hours/year for maintenance and readiness checks	40 CFR 60.4209(a)	C	Totalizing meter
NMHC + NOx	40 CFR 60.4205(c)	Y	None	3.0 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
CO	40 CFR 60.4205(c)	Y	None	2.6 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions
PM	40 CFR 60.4205(c)	Y	None	0.15 g/bhp-hr	40 CFR 60.4211(a)	C	Operate and maintain per mfg instructions

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-303.1	Y	None	PSV set within 10% of max pressure or 25.8 mmHg (0.5 psia	BAAQMD 8-5-403 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.3.1	Y	None	Gasket cover \leq 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.3.2	Y	None	Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y	None	Solid sampling or gauging wells in closed position with cover, seal or lid \leq 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y	None	Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.2	Y	None	Slotted sampling or gauging wells in closed position with cover, seal or lid \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.5.3	Y	None	Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.6	Y	None	Emergency roof drain with slotted membrane fabric cover $\geq 90\%$ opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	Y	None	No holes, tears or other openings in the primary seal fabric	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.2	Y	None	Primary seal metallic shoe or liquid mounted type	BAAQMD 8-5-402.1 & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3	Y	None	Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 18 in for internal floating roof tank above liquid surface	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y	None	Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification

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Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3.2	Y	None	For welded tanks, gap between tank shell and the primary seal < 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) < 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) < 40% of circumference	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.1	Y	None	No holes, tears, or other openings in secondary seal	BAAQM 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	Y	None	Secondary seal shall allow easy insertion of probes up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.3	Y	None	Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402.2, & 8-5-404	PP/twice per year at 4 to 8 months interval	Inspection Certification

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Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-328.1	Y	None	Tanks > 75 m3 residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m ³ , tank degassing shall have liquid balancing with ≤ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y	None	IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y	None	Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1)	Prior to filling tank	Visual inspection

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	PP/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y	None	Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 20060, part 1	Y	None	Gasoline or other hydrocarbon liquids throughput ≤ 105 million gallons for consecutive 12-months for S-76, 77 and 78	BAAQMD Condition # 20060, part 6	P/D	Monthly Records
POC	BAAQMD Condition # 20060, part 2	Y	None	Gasoline or other hydrocarbon liquids throughput ≤ 4.2 million gallons/ calendar day for S-76, 77 and 78	BAAQMD # 20060, part 6	P/D	Monthly Records

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-76, S-77 AND S-78 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Benzene	BAAQMD Condition # 20060, part 3	N	None	Benzene concentration ≤ 1.8 % wt.	BAAQMD Condition # 20060, part 3	P/6 months	Sample Analysis

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-5-303.1	Y	None	PSV set within 10% of max pressure or 25.8 mmHg (0.5 psia	BAAQMD 8-5-403 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-320.3.1	Y	None	Gasket cover ≤ 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-320.3.2	Y	None	Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y	None	Solid sampling or gauging wells in closed position with cover, seal or lid ≤ 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

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Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.4.3	Y	None	Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.2	Y	None	Slotted sampling or gauging wells in closed position with cover, seal or lid ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y	None	Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.6	Y	None	Emergency roof drain with slotted membrane fabric cover $\geq 90\%$ opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	Y	None	No holes, tears or other openings in the primary seal fabric	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.2	Y	None	Primary seal metallic shoe or liquid mounted type	BAAQMD 8-5-402.1 & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3	Y	None	Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 18 in for internal floating roof tank above liquid surface	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y	None	Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.2	Y	None	For welded tanks, gap between tank shell and the primary seal ≤ 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) $\leq 10\%$ of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) $\leq 40\%$ of circumference	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.1	Y	None	No holes, tears, or other openings in secondary seal	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.2	Y	None	Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.3	Y	None	Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402.2, & 8-5-404	PP/twice per year at 4 to 8 months intervalr	Inspection Certification
POC	BAAQMD 8-5-328.1	Y	None	Tanks > 75 m ³ residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m ³ , tank degassing shall have liquid balancing with ≤ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test

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Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y	None	IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y	None	Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	Prior to filling tank	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	P/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y	None	Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

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Table VII – L
Applicable Limits and Compliance Monitoring Requirements
S-79 AND S-80 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 21829, part 1	Y	None	Material throughput \leq 403.2 million gallons for consecutive 12-months for S-79 and 80	BAAQMD Condition # 21829, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 21829, part 2	Y	None	Materials other than gasoline diesel or jet fuel may be stored if POC emissionst \leq 8,558 lb/yr for S-79 and 80	BAAQMD # 21829, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 21829, part 4	N	None	Benzene concentration \leq 1.4 % wt.	BAAQMD Condition # 21829, part 4	P/6 months	Sample Analysis

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-320.3.1	Y	None	Gasket cover \leq 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-320.3.2	Y	None	Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y	None	Solid sampling or gauging wells in closed position with cover, seal or lid \leq 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y	None	Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.2	Y	None	Slotted sampling or gauging wells in closed position with cover, seal or lid \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y	None	Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.6	Y	None	Emergency roof drain with slotted membrane fabric cover \geq 90% opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	Y	None	No holes, tears or other openings in the primary seal fabric	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.2	Y	None	Primary seal metallic shoe or liquid mounted type	BAAQMD 8-5-402.1 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3	Y	None	Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 18 in for internal floating roof tank above liquid surface	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y	None	Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.2	Y	None	For welded tanks, gap between tank shell and the primary seal \leq 3.8 cm (1 1/2 in). No continuous gap $>$ 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) \leq 10% of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) \leq 40% of circumference	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.1	Y	None	No holes, tears, or other openings in secondary seal	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	Y	None	Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.3	Y	None	Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402.2, & 8-5-404	PP/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-328.1	Y	None	Tanks > 75 m ³ residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m ³ , tank degassing shall have liquid balancing with ≤ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y	None	IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y	None	Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	Prior to filling tank	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	No holes, tears or other openings in primary and secondary seals; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (4)	P/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a) (1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y	None	Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-81, S-82, AND S-83 - INTERNAL FLOATING ROOF TANKS
Subject to NSPS Subpart Kb and MACT Subpart R

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 22788, part 1	Y	None	Non-exempt organic liquids throughput \leq 453.6 million gallons for consecutive 12-months for S-81, 82, and 83	BAAQMD Condition # 22788, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 22788, part 2	Y	None	Materials other than gasoline diesel or jet fuel may be stored if POC emissions \leq 13,591 lb/yr for S-81, 82, and 83	BAAQMD # 22788, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 22788, part 4	N	None	Benzene concentration \leq 1.4 % wt.	BAAQMD Condition # 22788, part 4	P/6 months	Sample Analysis

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TVP	BAAQMD 8-5-117 8-5-301 SIP 8-5-117 8-5-301	Y	None	True vapor pressure	BAAQMD 8-5-501.1	P/E initially and upon change of service	Look up table or sample analysis; Records
POC	BAAQMD 8-320.3.1	Y	None	Gasket cover \leq 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-320.3.2	Y	None	Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.2	Y	None	Solid sampling or gauging wells in closed position with cover, seal or lid \leq 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	Y	None	Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.2	Y	None	Slotted sampling or gauging wells in closed position with cover, seal or lid \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	Y	None	Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.6	Y	None	Emergency roof drain with slotted membrane fabric cover \geq 90% opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	Y	None	No holes, tears or other openings in the primary seal fabric	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.2	Y	None	Primary seal metallic shoe or liquid mounted type	BAAQMD 8-5-402.1 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3	Y	None	Primary seal metallic shoe extends minimum 61 cm (24 in) for external floating and 18 in for internal floating roof tank above liquid surface	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.1	Y	None	Gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-321.3.2	Y	None	For welded tanks, gap between tank shell and the primary seal ≤ 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all seal gaps exceeding 1.3 cm (1/2 in) $\leq 10\%$ of circumference and the cumulative length of all seal gaps exceeding 0.32 cm (1/8 in) $\leq 40\%$ of circumference	BAAQMD 8-5-402.1, 8-5-404	P/10 yr and every time a seal is repaired or replaced r	Inspection Certification

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.1	Y	None	No holes, tears, or other openings in secondary seal	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	Y	None	Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	BAAQMD 8-5-402.1, & 8-5-404	P/10 yr and every time a seal is repaired or replaced	Inspection Certification
POC	BAAQMD 8-5-322.3	Y	None	Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in)	BAAQMD 8-5-402.2, & 8-5-404	PP/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-328.1	Y	None	Tanks > 75 m ³ residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurements at 15 minute intervals	Method 21 portable hydrocarbon detector
POC	BAAQMD 8-5-328.1	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m ³ , tank degassing shall have liquid balancing with ≤ 0.5 psia	None	N	None
POC	SIP 8-5-328.1.2	Y	None	Tank ≥ 75 m ³ , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test

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Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	Subpart R 40 CFR 63.423(a) Subpart Kb 40 CFR 60.112b (a)(1)	Y	None	IFR deck fitting closure standards	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1) 60.113b(a)(4)	Prior to filling tank, each time emptied & degassed, and at least every 10 yr	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(1)	Y	None	Primary and secondary seal -- No holes, tears or other openings	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1)	Prior to filling tank	Visual inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	No holes, tears or other openings in primary and secondary seals; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(4)	P/E (emptied and degassed)	Inspection
POC	Subpart R 40 CFR 63.425(d) Subpart Kb 40 CFR 60.113b (a)(2)	Y	None	Primary and secondary seal -- No holes, tears or other openings; Floating Roof on surface; No liquid on floating roof	Subpart R 40 CFR 63.425(d) 40 CFR 60.113b(a)(1)	P/A	Inspection from viewports
POC	Subpart Kb 40 CFR 60.116b (c)	Y	None	Record of liquid stored and true vapor pressure	40 CFR 60.116b(c)	P/E upon change of service	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.811 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – N
Applicable Limits and Compliance Monitoring Requirements
S-84, S-85, S-86, S-87, S-88, S-89, AND S-90 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 23338, part 1	Y	None	Non-exempt organic liquids throughput \leq 856.8 million gallons for consecutive 12-months for S-84 through 90	BAAQMD Condition # 23338, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 23338, part 2	Y	None	Materials other than gasoline diesel or jet fuel may be stored if POC emissions \leq 33,178 lb/yr for S-84 through 90	BAAQMD # 23338, part 7	P/D	Monthly Records
POC	BAAQMD Condition # 23338, part 4	N	None	Benzene concentration \leq 1.4 % wt.	BAAQMD Condition # 23338, part 4	P/6 months	Sample Analysis

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
A-1– THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Regulation 9-1-301	Y	None	GLC $>$ 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	BAAQMD 9-1-501	P/ As required by APCO	Area Monitoring
SO2	SIP BAAQMD Regulation 9-1-302	Y	None	\leq 300 ppm SO2, dry	None	N	None

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
A-1– THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition # 1253, part IB	Y	None	83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 1253, part IB	Y	None	129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
CO	BAAQMD Condition # 1253, part IB	Y	None	52.2 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD Condition # 1253, part IB	Y	None	94.81 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
Visible Emissions	BAAQMD 6-1-301	N	None	Visible emission must not be dark or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Emissions	SIP 6-301	Y	None	Visible emission must not be dark or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	None	N	N
Visible Particles	BAAQMD 6-1-305	N	None	Prohibition of nuisance	None	N	N/A
Visible Particles	SIP 6-305	Y	None	Prohibition of nuisance	None	N	N/A
FP	BAAQMD 6-1-310	N	None	0.15 gr/dscf	None	N	N/A
FP	SIP 6-310	Y	None	Particulate Matter \leq 343 mg per dscm (0.15 gr/dscf)	None	N	N

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
A-1– THERMAL OXIDIZER

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Condition # 1253, part IB	Y	None	25.8 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
Ambient H2S	BAAQMD 9-2-301	Y	None	Ground level concentrations of 0.06 ppm for 3 min or 0.03 ppm for 60 min	BAAQMD 9-2-501 9-2-602	P/ As required by APCO	Area Monitoring

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
FACILITY

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Visible Emissions	BAAQMD 6-1-301	N	None	Visible emission must not be dark or darker than Ringelmann No. 1 for a period of more than 3 minutes in any hour	BAAQMD Regulation 6-401	C	Visible Inspection
FP	SIP Regulation 6-301	Y	None	Ringelmann 1 Limitation	SIP Regulation 6-401	C	Visible Inspection
SO2	BAAQMD Regulation 9-1-301	Y	None	GLC > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	BAAQMD 9-1-501	As required by APCO	Area Monitoring

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Table VII – P
Applicable Limits and Compliance Monitoring Requirements
FACILITY

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 1253, part IB	Y	None	94.81 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
POC	BAAQMD 8-5-328.1	N	None	Tank degassing \geq 90% control, POC concentration < 10,000 ppm	BAAQMD 8-5-502 8-5-603	P/A	Source Test
POC	SIP 8-5-328.1.2	Y	None	90% abatement efficiency (tank cleaning)	SIP 8-5-502 8-5-603.2	P/A	Source Test
POC	BAAQMD 8-5-331	Y	None	Tank cleaning \geq 90% control	BAAQMD 8-5-502.2 8-5-603	P/A	Source Test
POC		Y	None	Determination of applicability	BAAQMD 8-5-604	P/E	Look-up table or sample analysis
NOx	BAAQMD Condition # 1253, part IB	Y	None	129.5 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
CO	BAAQMD Condition # 1253, part IB	Y	None	52.2 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
SO2	BAAQMD Condition # 1253, part IB	Y	None	83.5 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records
FP	BAAQMD Condition # 1253, part IB	Y	None	25.8 tpy for all sources (except S-74 and S-75 Diesel IC Emergency Generator)	BAAQMD Condition # 1253, part IIID	P/A	Records

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
FACILITY

Type of Limit	Citation of Limit	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 25463, Part 1	Y	None	High-level vapor bladder tank alarm, to alarm at 50 ft, shall not exceed 55 ft	BAAQMD Condition # 25463	C	Monitoring
POC	BAAQMD Condition # 25463, Part 2	Y	None	Bladder tank vapor space alarm, hydrocarbon concentration shall not exceed 3,000 ppm	BAAQMD Condition # 25463	C	Monitoring

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-18-301	Y	None	Equipment leaks \leq 100 ppm, except for valves, pumps, compressors, connections and pressure relief devices	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-302	N	None	Valves leaks \leq 100 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-302.1 8-18-302.2	N	None	Inaccessible Valve leak \leq 100 ppm or minimize in 24 hours, repair in 7 days	BAAQMD 8-18-401.3	P/A	Portable hydrocarbon detector, records

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-302.3 8-18-306.2 8-18-306.3 8-18-306.4	N	None	Non-repairable valves	BAAQMD 8-18-401.9	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-302.3 8-18-306.4	N	None	Mass emission rate \leq 15 lb/day for non-repairable valve with major leak (\geq 10,000 ppm)	BAAQMD 8-18-401.10 8-18-604	P/A	Mass Emission Sampling
POC	BAAQMD Regulation 8-18-303	N	None	Pump, compressor leaks \leq 500 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-304	N	None	Connection leaks \leq 100 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD Regulation 8-18-305	Y	None	Pressure relief valves \leq 500 ppm	BAAQMD Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-305	Y	None	Inaccessible pressure relief valve leak \leq 500 ppm	BAAQMD 8-18-401.3	P/A	Method 21 Inspection
POC	BAAQMD Regulation 8-18-306.1	Y	None	Non-repairable be replaced within 5 years or at next scheduled turnaround	BAAQMD 8-18-502.4	P/Q	Report
POC	SIP Regulation 8-18-306.2	Y	None	Number awaiting repair $<$ 0.5% valves, 1% pressure relief valves, 1% pump and compressor	BAAQMD 8-18-502.4	P/Q	Report

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-18-306.2	Y	None	Number awaiting repair < 0.3% valves, 0.025% valves with major leaks, 1% pressure relief valves, 1% pump and compressor	BAAQMD 8-18-502.4	P/Q	Report
POC	SIP Regulation 8-18-306.3.2	Y	None	Valves < 0.1 lb/day and number awaiting repair (NAR) < 1.0%; Pressure relief valves < 0.2 lb/day and (NAR) < 5%; Pumps, compressors < 0.2 lb/day and (NAR) < 5%;	None	N	
POC	SIP Regulation 8-18-302	Y	None	Valves ≤ 100 ppm	SIP Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-18-303	Y	None	Connectors ≤ 100 ppm	SIP Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-18-304	Y	None	Non-repairable valves ≤ 0.5 %	SIP Regulation 8-18-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-302	Y	None	,Pump ≤ 500 ppm	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-303	Y	None	Compressors ≤ 500 ppm	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records

Table VII – Q
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

Type of Limit	Emission Limit Citation	FE Y/N	Periods of Deviation	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP Regulation 8-25-304.1	Y	None	Pumps and compressors repair or replaced within 5 years or at the next scheduled turnaround	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-304.2	Y	None	Non-repairable pumps and compressors \leq 1 %	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-18-305	Y	None	New replaced pumps and compressor \leq 500 ppm for 4 consecutive quarters	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	SIP Regulation 8-25-306	Y	None	Repeat leakers \leq 2 times in 12 months	SIP Regulation 8-25-401	P/Q	Portable hydrocarbon detector, records
POC	Subpart R 40 CFR 63.424(a)	Y	None	Vapor tight	40 CFR 63.563(a)(4)	P/A	Leak test