



**TRANSMONTAIGNE**

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BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

March 22, 2023

UPS Tracking #: 1Z 1V0 21V 02 9928 6678

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

TV Tracking #: 705

1.  RECEIVED IN ENFORCEMENT: 03/27/2023

**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 September 01, 2022 – February 28, 2023*

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.

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 September 01, 2022 – February 28, 2023***

**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

*3-12-23*

\_\_\_\_\_  
Date Signed

**Ed Luebke**  
\_\_\_\_\_  
Printed Name

**Senior V.P. of Operations**  
\_\_\_\_\_  
Title

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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 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 - 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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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	94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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 $\leq 0.32$ 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 $\leq 0.32$ 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



TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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: 1 SEP 2022 Through 28 FEB 2023**

**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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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

**TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023**

**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) (a)(3)	Y	None	Controlled $\geq 95\%$	Subpart Ka 40 CFR 60.113(a) (a)(2)	N	None

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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	94.811tpy 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



**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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
SO2	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
SO2	BAAQMD Regulation 9-1-302	Y	None	$\leq$ 300 ppm SO2, dry	None	N	None
SO2	BAAQMD Condition # 1253, part IB	Y	None	83.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	SIP Regulation 9-7-301.1	Y	None	30 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
NOx	BAAQMD Regulation 9-7-307.3	N	None	15 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
NOx	BAAQMD Condition # 1253, part IB	Y	None	129.5 tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records
NOx	BAAQMD Condition # 13720, Part 2	Y	None	15 ppmv @3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test
CO	SIP Regulation 9-7-301.2	Y	None	400 ppmv dry, @ 3% O2	BAAQMD Condition # 13720, part 5	P/A	Source test

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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	94.811tpy 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

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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 IID	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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 <sub>2</sub>	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 <sub>2</sub>	BAAQMD Regulation 9-1-302	Y	None	≤ 300 ppm SO <sub>2</sub> , dry	None	N	None
SO <sub>2</sub>	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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 <sub>2</sub>	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 <sub>2</sub>	BAAQMD Regulation 9-1-302	Y	None	≤ 300 ppm SO <sub>2</sub> , dry	None	N	None
SO <sub>2</sub>	BAAQMD Regulation 9-1-304	Y	None	Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
SO <sub>2</sub>	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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 $\leq 1.3$ 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
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



TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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 8-5-321.3.2	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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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 m <sup>3</sup> 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 <sup>3</sup> , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m <sup>3</sup> , 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 <sup>3</sup> , 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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 $\leq$ 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 $\leq$ 4.2 million gallons/ calendar day for S-76, 77 and 78	BAAQMD # 20060, part 6	P/D	Monthly Records

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 8-5-320.4.3	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
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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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 $\leq$ 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
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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 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 <sup>3</sup> , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m <sup>3</sup> , 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 <sup>3</sup> , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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	94.811tpy for all sources	BAAQMD Condition # 1253, part IIID	P/A	Records



TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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 ≤ 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 emissions ≤ 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 ≤ 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 ≤ 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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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 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 <sup>3</sup> , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m <sup>3</sup> , 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 <sup>3</sup> , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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 $\leq$ 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



**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 <sup>3</sup> 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 <sup>3</sup> , Tank degassing 90% control	BAAQMD 8-5-502	P/E	Source Test
POC	SIP 8-5-328.1.1	Y	None	Tank ≥ 75 m <sup>3</sup> , 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 <sup>3</sup> , Tank degassing 90% control, POC concentration < 10,000 ppm	SIP 8-5-502	P/A	Source Test

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 ≤ 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 ≤ 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 ≤ 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	≤ 300 ppm SO2, dry	None	N	None

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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	94.811tpy 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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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 IID	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

**TransMontaigne – Martinez Terminal – Facility #A7034**  
**Semi-Annual Monitoring Report**  
**Period: 1 SEP 2022 Through 28 FEB 2023**

**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	94.811 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

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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	N	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	N	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

TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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



TransMontaigne – Martinez Terminal – Facility #A7034  
Semi-Annual Monitoring Report  
Period: 1 SEP 2022 Through 28 FEB 2023

**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

TransMontaigne – Martinez Terminal – Facility #A7034  
 Semi-Annual Monitoring Report  
 Period: 1 SEP 2022 Through 28 FEB 2023

**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