

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: BOP **Number:** 230001

Description of Modifications: As per NJDEP Kevin Greener e-mail communication of March 7, 2024 and per N.J.A.C. 7:26-22.6 and 22.16, this application is submitted to add portable control devices (PCD's) to the facility's operating permit.

Attachments to this application include:

Excel spreadsheet file containing the following information:

Maximum expected heat input (i.e. of the largest expected portable vapor combustion unit - aka PVCU)

Maximum expected annual usage of PVCU's at the facility (hrs/yr)

Annual and hourly emissions calculations of air contaminants

A list of floating roof storage tanks, their emission units, & their equipment number.

The operation scenarios that can occur for any of the listed floating roof tanks involving the use of a PVCU. These three scenarios are roof landings/roof refloating, tank degassings, & tank cleanings/sludge removal

Excel spreadsheet file showing worst case storage tank PTE emissions shown in column N from the three operating scenario events

Vendor information on design specs for the largest expected PVCU (Envent's EMECS 20)

Vendor information on propane consumption (various Envent PVCU's)

It is expected and presumed that approval of this modification would permit the use of any PVCU (i.e. from any supplier) as long as the PVCU has a documented DRE of at least 99% and with propane heating value of no more than the requested 80 gallons/hour and burner maximum heat input rating no greater than the requested 20 MMBTU/hour.

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Facility Name (AIMS): Energy Transfer Marketing & Terminals, L.P.

Facility ID (AIMS): 07733

Street Address: ENERGY TRANSFER MARKETING &
TERMINALS LP
NEWARK TERMINAL
436 DOREMUS AVE
NEWARK, NJ 07105-4876

Mailing Address: RON ROSENDORN
1240 CROWN PT RD
WESTVILLE, NJ 08093

County: Essex

Location Description: This facility is a petroleum bulk storage
terminal located in Newark, New Jersey.

State Plane Coordinates:

X-Coordinate: 1,962,500

Y-Coordinate: 690,250

Units: Other

Datum: Unknown

Source Org.: Other/Unknown

Source Type: Approx. Addr. Match

Industry:

Primary SIC: 4226

Secondary SIC:

NAICS: 493190

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Ron Rosendorn

NJ EIN: 00233096838

Title: Sr. Envir. Spec.

Phone: (856) 853-3155 x

Mailing Address: 1240 Crown Point Road
Westville, NJ 08093

Fax: () - x

Other: () - x

Type:

Email: ronald.rosendorn@energytransfer.com

Contact Type: Emission Statements

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Ron Rosendorn

NJ EIN: 00233096838

Title: Environmental Specialist

Phone: (853) 853-3155 x

Mailing Address: 1240 crown point road
westville, NJ 08093

Fax: () - x

Other: () - x

Type:

Email: ronald.rosendorn@energytransfer.com

Contact Type: Environmental Officer

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Ron Rosendorn

NJ EIN: 00233096838

Title: Environmental Specialist

Phone: (856) 853-3155 x

Mailing Address: 1240 crown point road
westville, NJ 08093

Fax: () - x

Other: () - x

Type:

Email: ronald.rosendorn@energytransfer.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Fees/Billing Contact**Organization:** Energy Transfer Marketing & Terminals, LP**Org. Type:** LP**Name:** ron rosendorn**NJ EIN:** 00233096838**Title:** environmental specialist**Phone:** (856) 853-3155 x**Mailing Address:** 1240 crown point road**Fax:** () - x

westville, NJ 08093

Other: () - x**Type:****Email:** ronald.rosendorn@energytransfer.com

Contact Type: General Contact**Organization:** Energy Transfer M&T, L.P.**Org. Type:** LP**Name:** Ron Rosendorn**NJ EIN:** 00233096838**Title:** Environmental Specialist**Phone:** (856) 853-3155 x**Mailing Address:** 1240 crown point road**Fax:** () - x

westville, NJ 08093

Other: () - x**Type:****Email:** ronald.rosendorni@energytransfer.com

Contact Type: On-Site Manager**Organization:** Energy Transfer M&T, L.P.**Org. Type:** LP**Name:** Eric Scheivert**NJ EIN:** 00000000000**Title:** Terminal Manager**Phone:** (215) 669-3235 x**Mailing Address:** 436 Doremus Ave**Fax:** () - x

Newark, NJ 07105-4876

Other: () - x**Type:****Email:** Eric.scheivert@energytransfer.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Owner (Current Primary)**Organization:** Energy Transfer**Org. Type:** Partnership**Name:** Energy Transfer**NJ EIN:** 00000000000**Title:** Owner/Operator**Phone:** (214) 981-0700 x**Mailing Address:** 8111 Westchester Drive
Suite 600
Dallas, TX 75224**Fax:** () - x**Other:** () - x**Type:****Email:**

Contact Type: Responsible Official**Organization:** Energy Transfer M&T, L.P.**Org. Type:** LP**Name:** Eric Scheivert**NJ EIN:** 00233096838**Title:** Terminal Manager**Phone:** (215) 669-3235 x**Mailing Address:** 436 Doremus Ave
Newark, NJ 07105-4876**Fax:** () - x**Other:** () - x**Type:****Email:** Eric.scheivert@energytransfer.com

Contact Type: Title V Compliance Certification Contact**Organization:** Energy Transfer M&T, L.P.**Org. Type:** LP**Name:** Eric Scheivert**NJ EIN:** 00233096838**Title:** Terminal Manager**Phone:** (215) 669-3235 x**Mailing Address:** 436 Doremus Ave
Newark, NJ 07105-4876**Fax:** () - x**Other:** () - x**Type:****Email:** Eric.scheivert@energytransfer.com

**New Jersey Department of Environmental Protection
Facility Profile (Permitting)**

- | | |
|---|-----|
| 1. Is this facility classified as a small business by the USEPA? | No |
| 2. Is this facility subject to N.J.A.C. 7:27-22? | Yes |
| 3. Are you voluntarily subjecting this facility to the requirements of Subchapter 22? | No |
| 4. Has a copy of this application been sent to the USEPA? | No |
| 5. If not, has the EPA waived the requirement? | No |
| 6. Are you claiming any portion of this application to be confidential? | No |
| 7. Is the facility an existing major facility? | Yes |
| 8. Have you submitted a netting analysis? | No |
| 9. Are emissions of any pollutant above the SOTA threshold? | No |
| 10. Have you submitted a SOTA analysis? | No |
| 11. If you answered "Yes" to Question 9 and "No" to Question 10, explain why a SOTA analysis was not required | |
| | |
| 12. Have you provided, or are you planning to provide air contaminant modeling? | No |

Portable Vapor Combustion Unit Emission Calculations
Energy Transfer Marketing & Terminals - Newark Terminal PI 07733

	Device Type	Maximum Expected Heat Input MMBTU/hr	Maximum Expected Annual Hours of Usage	Max Propane Usage gal/hr						
	Thermal Oxidizer	20	192	218.69	Propane heat value: EMECS 20 Design Max heat input					91,452 BTU/Gal 20,000,000 BTU/Hr
Emissions Calculations for Propane Combustion:										
Emission Factors per AP42 Table 1.5-1 (lbs/1000 gal)	NOx	CO	PM10/PM2.5	TSP	VOC/TOC	SO2	CO2	CH4	N2O	CO2e
	13	7.5	0.7	0.175	1.00	0.1	12,500	0.2	0.9	
	NOx	CO	PM10/PM2.5	TSP	VOC/TOC	SO2	CO2	CH4	N2O	CO2e
Propane combustion Hourly Emissions (lbs)	2.843021476	1.640204698	0.153085772	0.038271443	0.21869396	0.021869396	2733.6745	0.043738792	0.19682456	
Propane Combustion Annual Emission PTE (lbs)	545.9	314.9	29.4	7.3	42.0	4.2	524,865.5	8.4	37.8	524,911.7
Propane Combustion Annual Emission PTE (tons)	0.27	0.16	0.01	0.00	0.02	0.00	262.43	0.00	0.02	262.46
Emissions Calculations for VCU Gasoline Combustion										
	Benzene	Cumene (isopropylbenzene)	Ethylbenzene	Hexane (n-)	Iso-octane (2,2,4 trimethylpentane)	Naphthalene	Toluene	Xylene		
Gasoline HAP Vapor Weight, fraction	0.4788	0.0139	0.0175	1.9323	0.2699	3.92E-05	0.2742	0.1064		
VCU gasoline HAP emissions (Lbs/hr)	0.007159666	0.000207713	0.000261282	0.028896751	0.004035677	5.87E-07	0.00410095	0.00159183		
VCU gasoline HAP emissions (Lbs/yr)	1.374655896	0.03988092	0.050166111	5.548176188	0.774850007	1.13E-04	0.78738152	0.30563183		
VCU gasoline annual HAP emissions (tons/yr)	0.000687328	1.99405E-05	2.50831E-05	0.002774088	0.000387425	5.63E-08	0.00039369	0.00015282		
Minimum combustor DRE	99%									
Combustor Capture Efficiency (Estimated)	98%									
Total Combustor Control Efficiency (Estimated)	97.02%									
Worst case VOC uncontrolled emission event (lbs)	2,408.85									
Annual VOC Emissions Uncontrolled (lbs)	9,635.38									
Annual VOC qty controlled by a PVCU (lbs)	9,348.25									
Annual VOC Controlled Emissions (lbs)	287.13									
VOC lbs/hour when using control device	1.50									

Operation Scenarios are:

- 1. Roof Landing/Tank Refilling**
- 2. Tank Degassing**
- 3. Tank Cleaning/Sludge Removal**

U5 IFR/Dome Tanks:		U8 IFR Tanks storing Ethanol or	
Tank No.	Equipment ID	Tank No.	Equipment ID
25	E4	5001	E17
26	E5	5002	E26
27	E6		
36	E10		
37	E11		
40	E14		
41	E15		
42	E16		

TankSummaries for 2023 Annual - PTE
Site: Newark,
Equations for this site: After 2019 AP-42 revisions H/D ratio: Default 0.5

		Tank Diameter	Tank Type	Product	RVP	Throughput in gal.	Bulk Liquid Temperature (degF)	Avg. Liquid Surface Temp. (degF)	Avg. TVP (psia)	Includes a landing	Initial fill?	Includes a tank cleaning?	Number of Days	Estimated standing losses (lbs)	Estimated working losses (lbs)	VOCs Routine Emissions (lbs)	VOCs Non Routine Emissions (lbs)	VOCs Total estimated emissions (lbs)
Start Date/Time	Tank ID	(ft)																
1/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	33.441	34.013	3.331E-03	N	N	N	31	3.633E-02	3.423E-02	7.055E-02	0.000E+00	7.055E-02
2/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	35.575	36.418	3.636E-03	N	N	N	28	4.309E-02	3.717E-02	8.025E-02	0.000E+00	8.025E-02
3/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	43.496	44.631	4.875E-03	N	N	N	31	7.379E-02	4.900E-02	1.228E-01	0.000E+00	1.228E-01
4/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	54.536	55.963	7.195E-03	N	N	N	30	1.178E-01	7.070E-02	1.885E-01	0.000E+00	1.885E-01
5/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	64.341	66.002	1.002E-02	N	N	N	31	1.790E-01	9.652E-02	2.755E-01	0.000E+00	2.755E-01
6/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	74.235	75.996	1.375E-02	N	N	N	30	2.279E-01	1.300E-01	3.579E-01	0.000E+00	3.579E-01
7/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	78.999	80.745	1.592E-02	N	N	N	31	2.591E-01	1.492E-01	4.084E-01	0.000E+00	4.084E-01
8/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	77.592	79.139	1.516E-02	N	N	N	31	2.284E-01	1.425E-01	3.709E-01	0.000E+00	3.709E-01
9/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	69.808	71.066	1.178E-02	N	N	N	30	1.622E-01	1.125E-01	2.747E-01	0.000E+00	2.747E-01
10/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	57.797	58.723	7.891E-03	N	N	N	31	1.072E-01	7.718E-02	1.843E-01	0.000E+00	1.843E-01
11/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	47.933	48.539	5.586E-03	N	N	N	30	6.010E-02	5.577E-02	1.159E-01	0.000E+00	1.159E-01
12/1/2023	Tank-1	14.603685	Horizontal Tank	CFI 1903 GH1 additive no code		3.136E+03	37.806	38.301	3.892E-03	N	N	N	31	3.882E-02	3.966E-02	7.848E-02	0.000E+00	7.848E-02
1/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	33.441	34.013	3.331E-03	N	N	N	31	3.633E-02	3.423E-02	7.055E-02	0.000E+00	7.055E-02
2/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	35.575	36.418	3.636E-03	N	N	N	28	4.309E-02	3.717E-02	8.025E-02	0.000E+00	8.025E-02
3/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	43.496	44.631	4.875E-03	N	N	N	31	7.379E-02	4.900E-02	1.228E-01	0.000E+00	1.228E-01
4/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	54.536	55.963	7.195E-03	N	N	N	30	1.178E-01	7.070E-02	1.885E-01	0.000E+00	1.885E-01
5/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	64.341	66.002	1.002E-02	N	N	N	31	1.790E-01	9.652E-02	2.755E-01	0.000E+00	2.755E-01
6/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	74.235	75.996	1.375E-02	N	N	N	30	2.279E-01	1.300E-01	3.579E-01	0.000E+00	3.579E-01
7/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	78.999	80.745	1.592E-02	N	N	N	31	2.591E-01	1.492E-01	4.084E-01	0.000E+00	4.084E-01
8/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	77.592	79.139	1.516E-02	N	N	N	31	2.284E-01	1.425E-01	3.709E-01	0.000E+00	3.709E-01
9/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	69.808	71.066	1.178E-02	N	N	N	30	1.622E-01	1.125E-01	2.747E-01	0.000E+00	2.747E-01
10/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	57.797	58.723	7.891E-03	N	N	N	31	1.072E-01	7.718E-02	1.843E-01	0.000E+00	1.843E-01
11/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	47.933	48.539	5.586E-03	N	N	N	30	6.010E-02	5.577E-02	1.159E-01	0.000E+00	1.159E-01
12/1/2023	Tank-2	14.603685	Horizontal Tank	CFI 1902 OH1 additive no code		3.136E+03	37.806	38.301	3.892E-03	N	N	N	31	3.882E-02	3.966E-02	7.848E-02	0.000E+00	7.848E-02
1/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	33.441	34.013	3.331E-03	N	N	N	31	2.198E-03	2.052E-03	4.249E-03	0.000E+00	4.249E-03
2/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	35.575	36.418	3.636E-03	N	N	N	28	2.607E-03	2.228E-03	4.835E-03	0.000E+00	4.835E-03
3/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	43.496	44.631	4.875E-03	N	N	N	31	4.464E-03	2.937E-03	7.402E-03	0.000E+00	7.402E-03
4/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	54.536	55.963	7.195E-03	N	N	N	30	7.132E-03	4.238E-03	1.137E-02	0.000E+00	1.137E-02
5/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	64.341	66.002	1.002E-02	N	N	N	31	1.084E-02	5.786E-03	1.662E-02	0.000E+00	1.662E-02
6/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	74.235	75.996	1.375E-02	N	N	N	30	1.380E-02	7.796E-03	2.160E-02	0.000E+00	2.160E-02
7/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	78.999	80.745	1.592E-02	N	N	N	31	1.570E-02	8.947E-03	2.465E-02	0.000E+00	2.465E-02
8/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	77.592	79.139	1.516E-02	N	N	N	31	1.384E-02	8.545E-03	2.238E-02	0.000E+00	2.238E-02
9/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	69.808	71.066	1.178E-02	N	N	N	30	9.825E-03	6.744E-03	1.657E-02	0.000E+00	1.657E-02
10/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	57.797	58.723	7.891E-03	N	N	N	31	6.486E-03	4.627E-03	1.111E-02	0.000E+00	1.111E-02
11/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	47.933	48.539	5.586E-03	N	N	N	30	3.637E-03	3.343E-03	6.980E-03	0.000E+00	6.980E-03
12/1/2023	Tank-3	5.6778892	Horizontal Tank	Red Dye Unisol BK-150 no code		1.880E+02	37.806	38.301	3.892E-03	N	N	N	31	2.348E-03	2.378E-03	4.726E-03	0.000E+00	4.726E-03
1/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	34.146	35.023	3.456E-03	N	N	N	31	4.166E-03	5.309E-03	9.475E-03	0.000E+00	9.475E-03
2/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	36.613	37.905	3.837E-03	N	N	N	28	5.213E-03	5.856E-03	1.107E-02	0.000E+00	1.107E-02
3/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	44.894	46.635	5.229E-03	N	N	N	31	9.310E-03	7.838E-03	1.715E-02	0.000E+00	1.715E-02
4/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	56.293	58.481	7.827E-03	N	N	N	30	1.532E-02	1.146E-02	2.678E-02	0.000E+00	2.678E-02
5/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	66.387	68.934	1.101E-02	N	N	N	31	2.385E-02	1.578E-02	3.964E-02	0.000E+00	3.964E-02
6/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	76.404	79.105	1.514E-02	N	N	N	30	3.097E-02	2.130E-02	5.227E-02	0.000E+00	5.227E-02
7/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	81.149	83.828	1.749E-02	N	N	N	31	3.539E-02	2.439E-02	5.979E-02	0.000E+00	5.979E-02
8/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	79.497	81.870	1.648E-02	N	N	N	31	3.060E-02	2.308E-02	5.367E-02	0.000E+00	5.367E-02
9/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	71.358	73.287	1.264E-02	N	N	N	30	2.081E-02	1.799E-02	3.880E-02	0.000E+00	3.880E-02
10/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	58.938	60.359	8.330E-03	N	N	N	31	1.290E-02	1.216E-02	2.506E-02	0.000E+00	2.506E-02
11/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	48.680	49.609	5.797E-03	N	N	N	30	6.869E-03	8.649E-03	1.552E-02	0.000E+00	1.552E-02
12/1/2023	Tank-4	6.6041518	Horizontal Tank	CFI 1902 OH1 additive no code		4.700E+02	38.416	39.176	4.017E-03	N	N	N	31	4.374E-03	6.120E-03	1.049E-02	0.000E+00	1.049E-02
1/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	33.441	34.013	3.331E-03	N	N	N	31	1.388E-02	1.372E-02	2.760E-02	0.000E+00	2.760E-02
2/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	35.575	36.418	3.636E-03	N	N	N	28	1.647E-02	1.490E-02	3.136E-02	0.000E+00	3.136E-02
3/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	43.496	44.631	4.875E-03	N	N	N	31	2.820E-02	1.964E-02	4.784E-02	0.000E+00	4.784E-02
4/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	54.536	55.963	7.195E-03	N	N	N	30	4.504E-02	2.834E-02	7.338E-02	0.000E+00	7.338E-02
5/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	64.341	66.002	1.002E-02	N	N	N	31	6.842E-02	3.869E-02	1.071E-01	0.000E+00	1.071E-01
6/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	74.235	75.996	1.375E-02	N	N	N	30	8.713E-02	5.212E-02	1.392E-01	0.000E+00	1.392E-01
7/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	78.999	80.745	1.592E-02	N	N	N	31	9.908E-02	5.982E-02	1.589E-01	0.000E+00	1.589E-01
8/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	77.592	79.139	1.516E-02	N	N	N	31	8.732E-02	5.713E-02	1.445E-01	0.000E+00	1.445E-01
9/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity no code		1.257E+03	69.808	71.066	1.178E-02	N	N	N	30	6.202E-02	4.509E-02	1.071E-01	0.000E+00	1.071E-01
10/1/2023	Tank-5	10.09253	Horizontal Tank	OLI 9103 Lubricity														

[illegible]

2/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	37.305	40.338	3.304E-03	N	N	N	28	1.979E-02	3.982E-03	2.377E-02	0.000E+00	2.377E-02	
3/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	45.826	49.912	4.617E-03	N	N	N	31	3.728E-02	5.451E-03	4.273E-02	0.000E+00	4.273E-02	
4/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	57.464	62.600	7.059E-03	N	N	N	30	6.369E-02	8.121E-03	7.181E-02	0.000E+00	7.181E-02	
5/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	67.750	73.729	1.008E-02	N	N	N	31	1.020E-01	1.134E-02	1.133E-01	0.000E+00	1.133E-01	
6/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	77.850	84.190	1.389E-02	N	N	N	30	1.349E-01	1.532E-02	1.502E-01	0.000E+00	1.502E-01	
7/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	82.583	88.870	1.598E-02	N	N	N	31	1.546E-01	1.748E-02	1.721E-01	0.000E+00	1.721E-01	
8/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	80.767	86.338	1.482E-02	N	N	N	31	1.305E-01	1.630E-02	1.468E-01	0.000E+00	1.468E-01	
9/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	72.391	76.920	1.113E-02	N	N	N	30	8.442E-02	1.247E-02	9.689E-02	0.000E+00	9.689E-02	
10/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	59.698	63.034	7.160E-03	N	N	N	31	4.848E-02	8.253E-03	5.673E-02	0.000E+00	5.673E-02	
11/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	49.177	51.358	4.851E-03	N	N	N	30	2.410E-02	5.729E-03	2.983E-02	0.000E+00	2.983E-02	
12/1/2023	HO-4	7.3474728	Horizontal Tank	#2 Fuel Oil 0018XX	3.740E+02	38.823	40.606	3.335E-03	N	N	N	31	1.506E-02	4.026E-03	1.909E-02	0.000E+00	1.909E-02	
1/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	33.441	34.013	2.630E-03	N	N	N	31	1.677E+00	1.367E+01	1.534E+01	0.000E+00	1.534E+01	
2/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	35.575	36.418	2.870E-03	N	N	N	28	1.988E+00	1.449E+01	1.648E+01	0.000E+00	1.648E+01	
3/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	43.496	44.631	3.845E-03	N	N	N	31	3.398E+00	1.954E+01	2.294E+01	0.000E+00	2.294E+01	
4/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	54.536	55.963	5.668E-03	N	N	N	30	5.411E+00	2.817E+01	3.358E+01	0.000E+00	3.358E+01	
5/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	64.341	66.002	7.883E-03	N	N	N	31	8.193E+00	3.842E+01	4.661E+01	0.000E+00	4.661E+01	
6/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	74.235	75.996	1.081E-02	N	N	N	30	1.039E+01	5.171E+01	6.210E+01	0.000E+00	6.210E+01	
7/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	78.999	80.745	1.252E-02	N	N	N	31	1.179E+01	5.932E+01	7.112E+01	0.000E+00	7.112E+01	
8/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	77.592	79.139	1.192E-02	N	N	N	31	1.040E+01	5.667E+01	6.707E+01	0.000E+00	6.707E+01	
9/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	69.808	71.066	9.267E-03	N	N	N	30	7.412E+00	4.476E+01	5.217E+01	0.000E+00	5.217E+01	
10/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	0.000E+00	57.797	58.723	6.214E-03	N	N	Y	2.5	3.964E-01	0.000E+00	3.964E-01	0.000E+00	3.964E-01	
10/3/2023 12:00	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	0.000E+00	57.065	57.065	5.881E-03	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	2.731E+00	2.731E+00	
10/3/2023 13:00	Tank-18	50	FRT (no floating roof)	Out of Service no code	0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10/4/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	57.797	58.723	6.214E-03	N	N	N	28	8.711E+00	3.002E+01	3.873E+01	0.000E+00	3.873E+01	
11/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	47.933	48.539	4.404E-03	N	N	N	30	2.765E+00	2.223E+01	2.500E+01	0.000E+00	2.500E+01	
12/1/2023	Tank-18	50	FRT (no floating roof)	#2 Fuel Oil 0018XX	1.586E+06	37.806	38.301	3.072E-03	N	N	N	31	1.790E+00	1.583E+01	1.762E+01	0.000E+00	1.762E+01	
1/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 15 Q1 23	15	3.481E+06	33.441	33.595	4.900E+00	N	N	N	31	1.286E+02	8.928E+00	1.375E+02	0.000E+00	1.375E+02
2/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 15 Q1 23	15	3.481E+06	35.575	35.801	5.123E+00	N	N	N	28	1.227E+02	8.928E+00	1.316E+02	0.000E+00	1.316E+02
3/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	3.481E+06	43.496	43.801	5.311E+00	N	N	N	31	1.468E+02	8.928E+00	1.558E+02	0.000E+00	1.558E+02
4/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	0.000E+00	54.536	54.919	6.587E+00	N	N	N	1	6.260E+00	0.000E+00	6.260E+00	0.000E+00	6.260E+00
4/2/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	0.000E+00	53.410	53.410	6.401E+00	Y	N	N	7	7.021E+02	0.000E+00	0.000E+00	7.021E+02	7.021E+02
4/9/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	7	3.481E+06	54.536	54.919	3.139E+00	Y	N	22	6.141E+01	8.277E+02	7.052E+01	8.186E+02	8.891E+02	
5/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	7	3.481E+06	64.341	64.787	3.838E+00	N	N	N	31	1.089E+02	9.109E+00	1.180E+02	0.000E+00	1.180E+02
6/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	7	3.481E+06	74.235	74.708	4.663E+00	N	N	N	30	1.328E+02	9.109E+00	1.419E+02	0.000E+00	1.419E+02
7/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 7 Q3 23	7	3.481E+06	78.999	79.467	5.107E+00	N	N	N	31	1.534E+02	9.139E+00	1.625E+02	0.000E+00	1.625E+02
8/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 7 Q3 23	7	3.481E+06	77.592	78.007	4.967E+00	N	N	N	31	1.482E+02	9.139E+00	1.574E+02	0.000E+00	1.574E+02
9/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q3 23	13.5	3.481E+06	69.808	70.146	8.717E+00	N	N	N	30	2.814E+02	9.139E+00	2.905E+02	0.000E+00	2.905E+02
10/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.797	58.045	6.986E+00	N	N	N	1	6.783E+00	0.000E+00	6.783E+00	0.000E+00	6.783E+00
10/2/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	Y	N	1.5	1.561E+02	0.000E+00	0.000E+00	1.561E+02	1.561E+02	
10/3/2023 12:00	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.337E+03	1.337E+03	
10/3/2023 13:00	Tank-25	78	domed EFRT	Out of Service no code	0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10/4/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	3.481E+06	57.797	58.045	6.986E+00	N	Y	28	1.899E+02	3.388E+02	1.989E+02	3.298E+02	5.287E+02	
11/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 15 Q4 23	15	3.481E+06	47.933	48.096	6.521E+00	N	N	N	30	1.793E+02	8.943E+02	1.883E+02	0.000E+00	1.883E+02
12/1/2023	Tank-25	78	domed EFRT	Gasoline 83.5 - RVP 15 Q4 23	15	3.481E+06	37.806	37.939	5.347E+00	N	N	N	31	1.433E+02	8.943E+02	1.522E+02	0.000E+00	1.522E+02
1/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 15 Q1 23	15	5.182E+05	33.441	33.595	4.900E+00	N	N	N	31	4.948E+01	3.456E+00	5.294E+01	0.000E+00	5.294E+01
2/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 15 Q1 23	15	5.182E+05	35.575	35.801	5.123E+00	N	N	N	28	4.722E+01	3.456E+00	5.067E+01	0.000E+00	5.067E+01
3/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	5.182E+05	43.496	43.801	5.311E+00	N	N	N	31	5.650E+01	3.456E+00	5.996E+01	0.000E+00	5.996E+01
4/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	0.000E+00	54.536	54.919	6.587E+00	N	N	N	1	2.409E+00	0.000E+00	2.409E+00	0.000E+00	2.409E+00
4/2/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	0.000E+00	53.410	53.410	6.401E+00	Y	N	N	7	9.713E+01	0.000E+00	0.000E+00	9.713E+01	9.713E+01
4/9/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	7	5.182E+05	54.536	54.919	3.139E+00	N	Y	22	2.363E+01	1.066E+02	2.716E+01	1.031E+02	1.302E+02	
5/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	7	5.182E+05	64.341	64.787	3.838E+00	N	N	N	31	4.192E+01	3.525E+00	4.544E+01	0.000E+00	4.544E+01
6/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	7	5.182E+05	74.235	74.708	4.663E+00	N	N	N	30	5.110E+01	3.525E+00	5.462E+01	0.000E+00	5.462E+01
7/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 7 Q3 23	7	5.182E+05	78.999	79.467	5.107E+00	N	N	N	31	5.901E+01	3.537E+00	6.255E+01	0.000E+00	6.255E+01
8/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 7 Q3 23	7	5.182E+05	77.592	78.007	4.967E+00	N	N	N	31	5.703E+01	3.537E+00	6.057E+01	0.000E+00	6.057E+01
9/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q3 23	13.5	5.182E+05	69.808	70.146	8.717E+00	N	N	N	30	1.083E+02	3.537E+00	1.118E+02	0.000E+00	1.118E+02
10/1/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.797	58.045	6.986E+00	N	N	N	1	2.610E+00	0.000E+00	2.610E+00	0.000E+00	2.610E+00
10/2/2023	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	Y	N	1.5	2.310E+01	0.000E+00	0.000E+00	2.310E+01	2.310E+01	
10/3/2023 12:00	Tank-26	30	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	7.417E+02	7.417E+02	
10/3/2023 13:00	Tank-26	30	domed EFRT	Out of Service no code	0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.		

10/3/2023 13:00	Tank-27	78	domed EFRT	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-27	78	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	3.420E+06	57.797	58.045	6.986E+00	N	Y	N	28	9.902E+01	3.386E+02	1.078E+02	3.298E+02	4.376E+02
11/1/2023	Tank-27	78	domed EFRT	Gasoline 83.5 - RVP 15 Q4 23	15	3.420E+06	47.933	48.096	6.521E+00	N	N	N	30	9.349E+01	8.787E+00	1.023E+02	0.000E+00	1.023E+02
12/1/2023	Tank-27	78	domed EFRT	Gasoline 83.5 - RVP 15 Q4 23	15	3.420E+06	37.806	37.939	5.347E+00	N	N	N	31	7.471E+01	8.787E+00	8.350E+01	0.000E+00	8.350E+01
1/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	33.441	33.818	2.611E-03	N	N	N	31	7.327E+00	5.237E+01	5.970E+01	0.000E+00	5.970E+01
2/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	35.575	36.130	2.840E-03	N	N	N	28	8.510E+00	5.614E+01	6.465E+01	0.000E+00	6.465E+01
3/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	43.496	44.243	3.793E-03	N	N	N	31	1.431E+01	7.446E+01	8.877E+01	0.000E+00	8.877E+01
4/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	54.536	55.475	5.576E-03	N	N	N	30	2.252E+01	1.071E+02	1.296E+02	0.000E+00	1.296E+02
5/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	64.341	65.434	7.740E-03	N	N	N	31	3.374E+01	1.458E+02	1.795E+02	0.000E+00	1.795E+02
6/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	74.235	75.394	1.061E-02	N	N	N	30	4.234E+01	1.961E+02	2.385E+02	0.000E+00	2.385E+02
7/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	78.999	80.148	1.229E-02	N	N	N	31	4.784E+01	2.251E+02	2.730E+02	0.000E+00	2.730E+02
8/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	77.592	78.609	1.172E-02	N	N	N	31	4.251E+01	2.154E+02	2.579E+02	0.000E+00	2.579E+02
9/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	69.808	70.636	9.141E-03	N	N	N	30	3.090E+01	1.705E+02	2.014E+02	0.000E+00	2.014E+02
10/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		0.000E+00	57.797	58.406	6.149E-03	N	N	N	2.5	1.699E+00	0.000E+00	0.000E+00	0.000E+00	1.699E+00
10/3/2023 12:00	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		0.000E+00	57.065	57.065	5.881E-03	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.184E+01	1.184E+01
10/3/2023 13:00	Tank-35	90	FRT (no floating roof)	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	57.797	58.406	6.149E-03	N	N	N	28	3.390E+01	1.163E+02	1.502E+02	0.000E+00	1.502E+02
11/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	47.933	48.332	4.373E-03	N	N	N	30	1.209E+01	8.521E+01	9.729E+01	0.000E+00	9.729E+01
12/1/2023	Tank-35	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.117E+06	37.806	38.132	3.053E-03	N	N	N	31	7.872E+00	6.072E+01	6.859E+01	0.000E+00	6.859E+01
1/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 15 Q1 23	15	5.425E+06	33.441	33.595	4.900E+00	N	N	N	31	6.803E+01	1.236E+01	8.039E+01	0.000E+00	8.039E+01
2/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 15 Q1 23	15	5.425E+06	35.575	35.801	5.123E+00	N	N	N	28	6.491E+01	1.236E+01	7.727E+01	0.000E+00	7.727E+01
3/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q1 23	13.5	5.425E+06	43.496	43.801	5.311E+00	N	N	N	31	7.768E+01	1.236E+01	9.004E+01	0.000E+00	9.004E+01
4/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q1 23	13.5	0.000E+00	54.536	54.919	6.587E+00	N	N	N	1	3.311E+00	0.000E+00	3.311E+00	0.000E+00	3.311E+00
4/2/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q1 23	13.5	0.000E+00	53.410	53.410	6.401E+00	Y	N	N	7	9.412E+02	0.000E+00	0.000E+00	9.412E+02	9.412E+02
4/9/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 7 Q2 23	7	5.425E+06	54.536	54.919	3.139E+00	N	Y	N	22	3.248E+01	1.122E+03	4.478E+01	1.109E+03	1.154E+03
5/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 7 Q2 23	7	5.425E+06	64.341	64.787	3.838E+00	N	N	N	31	5.762E+01	1.238E+01	7.001E+01	0.000E+00	7.001E+01
6/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 7 Q2 23	7	5.425E+06	74.235	74.708	4.663E+00	N	N	N	30	7.025E+01	1.238E+01	8.263E+01	0.000E+00	8.263E+01
7/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 7 Q3 23	7	5.425E+06	78.999	79.467	5.107E+00	N	N	N	31	8.113E+01	1.259E+01	9.371E+01	0.000E+00	9.371E+01
8/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 7 Q3 23	7	5.425E+06	77.592	78.007	4.967E+00	N	N	N	31	7.840E+01	1.259E+01	9.099E+01	0.000E+00	9.099E+01
9/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q3 23	13.5	5.425E+06	69.808	70.146	8.717E+00	N	N	N	30	1.489E+02	1.259E+01	1.614E+02	0.000E+00	1.614E+02
10/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	13.5	0.000E+00	57.797	58.045	6.986E+00	N	N	N	1	3.588E+00	0.000E+00	3.588E+00	0.000E+00	3.588E+00
10/2/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	Y	N	N	1.5	2.079E+02	0.000E+00	0.000E+00	2.079E+02	2.079E+02
10/3/2023 12:00	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.762E+03	1.762E+03
10/3/2023 13:00	Tank-36	90	domed EFRT	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	13.5	5.425E+06	57.797	58.045	6.986E+00	N	Y	N	28	1.005E+02	4.515E+02	1.129E+02	4.391E+02	5.520E+02
11/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 15 Q4 23	15	5.425E+06	47.933	48.096	6.521E+00	N	N	N	30	9.485E+01	1.240E+01	1.073E+02	0.000E+00	1.073E+02
12/1/2023	Tank-36	90	domed EFRT	Gasoline 91.3 - RVP 15 Q4 23	15	5.425E+06	37.806	37.939	5.347E+00	N	N	N	31	7.580E+01	1.240E+01	8.821E+01	0.000E+00	8.821E+01
1/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q1 23	15	5.425E+06	33.441	33.908	4.931E+00	N	N	N	31	3.062E+02	1.300E+01	3.192E+02	0.000E+00	3.192E+02
2/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q1 23	15	5.425E+06	35.575	36.263	5.171E+00	N	N	N	28	2.933E+02	1.300E+01	3.063E+02	0.000E+00	3.063E+02
3/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	5.425E+06	43.496	44.422	5.377E+00	N	N	N	31	3.523E+02	1.300E+01	3.653E+02	0.000E+00	3.653E+02
4/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	0.000E+00	54.536	55.700	6.685E+00	N	N	N	1	1.509E+01	0.000E+00	1.509E+01	0.000E+00	1.509E+01
4/2/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q1 23	13.5	0.000E+00	53.410	53.410	6.401E+00	Y	N	N	7	1.053E+03	0.000E+00	0.000E+00	1.053E+03	1.053E+03
4/9/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q2 23	7	5.425E+06	54.536	55.700	3.190E+00	N	Y	N	22	1.478E+02	1.142E+03	1.610E+02	1.129E+03	1.290E+03
5/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q2 23	7	5.425E+06	64.341	65.696	3.908E+00	N	N	N	31	3.629E+02	1.326E+01	2.761E+02	0.000E+00	2.761E+02
6/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q2 23	7	5.425E+06	74.235	75.672	4.750E+00	N	N	N	30	3.209E+02	1.326E+01	3.341E+02	0.000E+00	3.341E+02
7/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q3 23	7	5.425E+06	78.999	80.423	5.200E+00	N	N	N	31	3.706E+02	1.330E+01	3.839E+02	0.000E+00	3.839E+02
8/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q3 23	7	5.425E+06	77.592	78.854	5.048E+00	N	N	N	31	3.572E+02	1.330E+01	3.705E+02	0.000E+00	3.705E+02
9/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q3 23	13.5	5.425E+06	69.808	70.835	8.824E+00	N	N	N	30	6.778E+02	1.330E+01	6.912E+02	0.000E+00	6.912E+02
10/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.797	58.552	7.053E+00	N	N	N	1	1.624E+01	0.000E+00	1.624E+01	0.000E+00	1.624E+01
10/2/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	Y	N	N	1.5	2.255E+02	0.000E+00	0.000E+00	2.255E+02	2.255E+02
10/3/2023 12:00	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.762E+03	1.762E+03
10/3/2023 13:00	Tank-37	90	cone-roof tank with IFR	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	5.425E+06	57.797	58.552	7.053E+00	N	Y	N	28	4.546E+02	4.521E+02	4.677E+02	4.391E+02	9.068E+02
11/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q4 23	15	5.425E+06	47.933	48.428	6.563E+00	N	N	N	30	4.273E+02	1.302E+01	4.403E+02	0.000E+00	4.403E+02
12/1/2023	Tank-37	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q4 23	15	5.425E+06	37.806	38.210	5.376E+00	N	N	N	31	3.409E+02	1.302E+01	3.539E+02	0.000E+00	3.539E+02
1/1/2023	Tank-38	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.012E+06	33.441	34.013	2.630E-03	N	N	N	31	6.598E+00	5.181E+01	5.841E+01	0.000E+00	5.841E+01
2/1/2023	Tank-38	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.012E+06	35.575	36.418	2.870E-03	N	N	N	28	7.821E+00	5.624E+01	6.407E+01	0.000E+00	6.407E+01
3/1/2023	Tank-38	90	FRT (no floating roof)	#2 Fuel Oil 0018XX		6.012E+06</												

7/1/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	6.162E+06	78.999	80.745	1.252E-02	N	N	N	31	4.630E+01	2.305E+02	2.768E+02	0.000E+00	2.768E+02
8/1/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	6.162E+06	77.592	79.139	1.192E-02	N	N	N	31	4.084E+01	2.202E+02	2.610E+02	0.000E+00	2.610E+02
9/1/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	6.162E+06	69.808	71.066	9.267E-03	N	N	N	30	2.912E+01	1.739E+02	2.030E+02	0.000E+00	2.030E+02
10/1/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	0.000E+00	57.797	58.723	6.214E-03	N	N	N	2.5	1.559E+00	0.000E+00	1.559E+00	0.000E+00	1.559E+00
10/3/2023 12:00	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	0.000E+00	57.065	57.065	5.881E-03	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.069E+01	1.069E+01
10/3/2023 13:00	Tank-39	90	FRT (no floating roof)	Out of Service no code	0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	6.162E+06	57.797	58.723	6.214E-03	N	N	N	28	3.399E+01	1.176E+02	1.516E+02	0.000E+00	1.516E+02
11/1/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	6.162E+06	47.933	48.539	4.404E-03	N	N	N	30	1.087E+01	8.639E+01	9.726E+01	0.000E+00	9.726E+01
12/1/2023	Tank-39	90	FRT (no floating roof)	#2 Fuel Oil 0018XX	6.162E+06	37.806	38.301	3.072E-03	N	N	N	31	7.043E+00	6.150E+01	6.854E+01	0.000E+00	6.854E+01
1/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 15 Q1 23	5.414E+06	33.441	33.595	4.900E+00	N	N	N	31	7.368E+01	1.203E+01	8.571E+01	0.000E+00	8.571E+01
2/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 15 Q1 23	5.414E+06	35.575	35.801	5.123E+00	N	N	N	28	7.031E+01	1.203E+01	8.234E+01	0.000E+00	8.234E+01
3/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	5.414E+06	43.496	43.801	5.311E+00	N	N	N	31	8.413E+01	1.203E+01	9.617E+01	0.000E+00	9.617E+01
4/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	5.414E+06	54.536	54.919	6.587E+00	N	N	N	1	3.587E+00	0.000E+00	3.587E+00	0.000E+00	3.587E+00
4/2/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q1 23	5.414E+06	53.410	53.410	6.401E+00	Y	N	N	7	8.206E+02	0.000E+00	0.000E+00	8.206E+02	8.206E+02
4/9/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	5.414E+06	54.536	54.919	3.139E+00	N	Y	N	22	3.519E+01	8.188E+02	4.746E+01	8.065E+02	8.540E+02
5/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	5.414E+06	64.341	64.787	3.838E+00	N	N	N	31	6.241E+01	1.228E+01	7.469E+01	0.000E+00	7.469E+01
6/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 7 Q2 23	5.414E+06	74.235	74.708	4.663E+00	N	N	N	30	7.609E+01	1.228E+01	8.836E+01	0.000E+00	8.836E+01
7/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 7 Q3 23	5.414E+06	78.999	79.467	5.107E+00	N	N	N	31	8.787E+01	1.232E+01	1.002E+02	0.000E+00	1.002E+02
8/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 7 Q3 23	5.414E+06	77.592	78.007	4.967E+00	N	N	N	31	8.492E+01	1.232E+01	9.724E+01	0.000E+00	9.724E+01
9/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q3 23	5.414E+06	69.808	70.146	8.717E+00	N	N	N	30	1.612E+02	1.232E+01	1.736E+02	0.000E+00	1.736E+02
10/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	5.414E+06	57.797	58.045	6.986E+00	N	N	N	1	3.886E+00	0.000E+00	3.886E+00	0.000E+00	3.886E+00
10/2/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	5.414E+06	57.065	57.065	6.859E+00	Y	N	N	1.5	2.079E+02	0.000E+00	0.000E+00	2.079E+02	2.079E+02
10/3/2023 12:00	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 13.5 Q4 23	5.414E+06	57.065	57.065	6.859E+00	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.762E+03	1.762E+03
10/3/2023 13:00	Tank-40	90	domed EFRT	Out of Service no code	0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-40	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	5.414E+06	57.797	58.045	6.986E+00	N	Y	N	28	1.088E+02	4.515E+02	1.212E+02	4.391E+02	5.603E+02
11/1/2023	Tank-40	90	domed EFRT	Gasoline 91.3 - RVP 15 Q4 23	5.414E+06	47.933	48.096	6.521E+00	N	N	N	30	1.027E+02	1.205E+01	1.148E+02	0.000E+00	1.148E+02
12/1/2023	Tank-40	90	domed EFRT	Gasoline 83.5 - RVP 15 Q4 23	5.414E+06	37.806	37.939	5.347E+00	N	N	N	31	8.211E+01	1.205E+01	9.416E+01	0.000E+00	9.416E+01
1/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 15 Q1 23	5.414E+06	33.441	33.595	4.900E+00	N	N	N	31	7.368E+01	1.234E+01	8.602E+01	0.000E+00	8.602E+01
2/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 15 Q1 23	5.414E+06	35.575	35.801	5.123E+00	N	N	N	28	7.031E+01	1.234E+01	8.264E+01	0.000E+00	8.264E+01
3/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q1 23	5.414E+06	43.496	43.801	5.311E+00	N	N	N	31	8.413E+01	1.234E+01	9.647E+01	0.000E+00	9.647E+01
4/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q1 23	5.414E+06	54.536	54.919	6.587E+00	N	N	N	1	3.587E+00	0.000E+00	3.587E+00	0.000E+00	3.587E+00
4/2/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q1 23	5.414E+06	53.410	53.410	6.401E+00	Y	N	N	7	8.206E+02	0.000E+00	0.000E+00	8.206E+02	8.206E+02
4/9/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 7 Q2 23	5.414E+06	54.536	54.919	3.139E+00	N	Y	N	22	3.519E+01	8.189E+02	4.754E+01	8.065E+02	8.540E+02
5/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 7 Q2 23	5.414E+06	64.341	64.787	3.838E+00	N	N	N	31	6.241E+01	1.236E+01	7.477E+01	0.000E+00	7.477E+01
6/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 7 Q2 23	5.414E+06	74.235	74.708	4.663E+00	N	N	N	30	7.609E+01	1.236E+01	8.845E+01	0.000E+00	8.845E+01
7/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 7 Q3 23	5.414E+06	78.999	79.467	5.107E+00	N	N	N	31	8.787E+01	1.256E+01	1.004E+02	0.000E+00	1.004E+02
8/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 7 Q3 23	5.414E+06	77.592	78.007	4.967E+00	N	N	N	31	8.492E+01	1.256E+01	9.748E+01	0.000E+00	9.748E+01
9/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q3 23	5.414E+06	69.808	70.146	8.717E+00	N	N	N	30	1.612E+02	1.256E+01	1.738E+02	0.000E+00	1.738E+02
10/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	5.414E+06	57.797	58.045	6.986E+00	N	N	N	1	3.886E+00	0.000E+00	3.886E+00	0.000E+00	3.886E+00
10/2/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	5.414E+06	57.065	57.065	6.859E+00	Y	N	N	1.5	2.079E+02	0.000E+00	0.000E+00	2.079E+02	2.079E+02
10/3/2023 12:00	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	5.414E+06	57.065	57.065	6.859E+00	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.762E+03	1.762E+03
10/3/2023 13:00	Tank-41	90	domed EFRT	Out of Service no code	0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 13.5 Q4 23	5.414E+06	57.797	58.045	6.986E+00	N	Y	N	28	1.088E+02	4.515E+02	1.212E+02	4.391E+02	5.603E+02
11/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 15 Q4 23	5.414E+06	47.933	48.096	6.521E+00	N	N	N	30	1.027E+02	1.238E+01	1.151E+02	0.000E+00	1.151E+02
12/1/2023	Tank-41	90	domed EFRT	Gasoline 91.3 - RVP 15 Q4 23	5.414E+06	37.806	37.939	5.347E+00	N	N	N	31	8.211E+01	1.238E+01	9.448E+01	0.000E+00	9.448E+01
1/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q1 23	5.414E+06	33.441	33.908	4.931E+00	N	N	N	31	5.674E+02	1.297E+01	5.804E+02	0.000E+00	5.804E+02
2/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q1 23	5.414E+06	35.575	36.263	5.171E+00	N	N	N	28	5.434E+02	1.297E+01	5.564E+02	0.000E+00	5.564E+02
3/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q1 23	5.414E+06	43.496	44.422	5.377E+00	N	N	N	31	6.528E+02	1.297E+01	6.658E+02	0.000E+00	6.658E+02
4/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q1 23	5.414E+06	54.536	55.700	6.685E+00	N	N	N	1	2.796E+01	0.000E+00	2.796E+01	0.000E+00	2.796E+01
4/2/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q1 23	5.414E+06	53.410	53.410	6.401E+00	Y	N	N	7	9.714E+02	0.000E+00	0.000E+00	9.714E+02	9.714E+02
4/9/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q2 23	5.414E+06	54.536	55.700	3.190E+00	N	Y	N	22	2.738E+02	9.408E+02	2.871E+02	9.276E+02	1.215E+03
5/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q2 23	5.414E+06	64.341	65.696	3.908E+00	N	N	N	31	4.871E+02	1.323E+01	5.003E+02	0.000E+00	5.003E+02
6/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q2 23	5.414E+06	74.235	75.672	4.750E+00	N	N	N	30	5.946E+02	1.323E+01	6.079E+02	0.000E+00	6.079E+02
7/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q3 23	5.414E+06	78.999	80.423	5.200E+00	N	N	N	31	6.867E+02	1.328E+01	6.999E+02	0.000E+00	6.999E+02
8/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 7 Q3 23	5.414E+06	77.592	78.854	5.048E+00	N	N	N	31	6.619E+02	1.328E+01	6.751E+02	0.000E+00	6.751E+02
9/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q3 23	5.414E+06	69.808	70.835	8.824E+00	N	N	N	30	1.256E+03	1.328E+01	1.269E+03	0.000E+00	1.269E+03
10/1/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	5.414E+06	57.797	58.552	7.053E+00	N	N	N	1	3.009E+01	0.000E+00	3.009E+01	0.000E+00	3.009E+01
10/2/2023	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	5.414E+06	57.065	57.065	6.859E+00	Y	N	N	1.5	2.255E+02	0.000E+00	0.000E+00	2.255E+02	2.255E+02
10/3/2023 12:00	Tank-42	90	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	5.414E+06	57.065	57.065	6.859E+00	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.762E+03	1.762E+03

10/3/2023 12:00	Tank-5001	45	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	0.000E+00	57.065	57.065	6.859E+00	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	4.819E+02	4.819E+02
10/3/2023 13:00	Tank-5001	45	cone-roof tank with IFR	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-5001	45	cone-roof tank with IFR	Gasoline 83.5 - RVP 13.5 Q4 23	13.5	9.950E+05	57.797	58.552	7.053E+00	N	Y	N	28	1.958E+02	1.143E+02	2.003E+02	1.098E+02	3.101E+02
11/1/2023	Tank-5001	45	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q4 23	15	9.950E+05	47.933	48.428	6.563E+00	N	N	N	30	1.840E+02	4.529E+00	1.885E+02	0.000E+00	1.885E+02
12/1/2023	Tank-5001	45	cone-roof tank with IFR	Gasoline 83.5 - RVP 15 Q4 23	15	9.950E+05	37.806	38.210	5.376E+00	N	N	N	31	1.468E+02	4.529E+00	1.513E+02	0.000E+00	1.513E+02
1/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	33.441	33.908	2.482E-01	N	N	N	31	5.198E+00	5.028E+00	1.023E+01	0.000E+00	1.016E+01
2/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	35.575	36.263	2.719E-01	N	N	N	28	5.146E+00	5.028E+00	1.017E+01	0.000E+00	1.010E+01
3/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	43.496	44.422	3.699E-01	N	N	N	31	7.775E+00	5.028E+00	1.280E+01	0.000E+00	1.272E+01
4/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	54.536	55.700	5.557E-01	N	N	N	30	1.137E+01	5.028E+00	1.640E+01	0.000E+00	1.631E+01
5/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	64.341	65.696	7.838E-01	N	N	N	31	1.670E+01	5.028E+00	2.173E+01	0.000E+00	2.161E+01
6/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	74.235	75.672	1.088E+00	N	N	N	30	2.269E+01	5.028E+00	2.772E+01	0.000E+00	2.757E+01
7/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	78.999	80.423	1.267E+00	N	N	N	31	2.745E+01	5.028E+00	3.248E+01	0.000E+00	3.232E+01
8/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	77.592	78.854	1.205E+00	N	N	N	31	2.606E+01	5.028E+00	3.109E+01	0.000E+00	3.094E+01
9/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	69.808	70.835	9.299E-01	N	N	N	30	1.927E+01	5.028E+00	2.430E+01	0.000E+00	2.418E+01
10/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		0.000E+00	57.797	58.552	6.140E-01	N	N	N	1	4.196E-01	0.000E+00	4.196E-01	0.000E+00	4.180E-01
10/2/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		0.000E+00	57.065	57.065	5.830E-01	Y	N	N	1.5	1.735E+00	0.000E+00	0.000E+00	1.735E+00	1.728E+00
10/3/2023 12:00	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		0.000E+00	57.065	57.065	5.830E-01	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	8.170E+01	8.170E+01
10/3/2023 13:00	Tank-5002	45	cone-roof tank with IFR	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	57.797	58.552	6.140E-01	N	Y	N	28	1.170E+01	1.185E+01	1.668E+01	6.871E+00	2.355E+01
11/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	47.933	48.428	4.285E-01	N	N	N	30	8.732E+00	5.028E+00	1.376E+01	0.000E+00	1.368E+01
12/1/2023	Tank-5002	45	cone-roof tank with IFR	Denatured Ethanol no code		9.950E+05	37.806	38.210	2.929E-01	N	N	N	31	6.142E+00	5.028E+00	1.117E+01	0.000E+00	1.110E+01
1/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	33.441	34.013	2.630E-03	N	N	N	31	1.157E+00	9.668E+00	1.082E+01	0.000E+00	1.082E+01
2/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	35.575	36.418	2.870E-03	N	N	N	28	1.371E+00	9.946E+00	1.132E+01	0.000E+00	1.132E+01
3/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	43.496	44.631	3.845E-03	N	N	N	31	2.344E+00	1.383E+01	1.617E+01	0.000E+00	1.617E+01
4/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	54.536	55.963	5.688E-03	N	N	N	30	3.734E+00	1.993E+01	2.366E+01	0.000E+00	2.366E+01
5/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	64.341	66.002	7.883E-03	N	N	N	31	5.657E+00	2.718E+01	3.283E+01	0.000E+00	3.283E+01
6/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	74.235	75.996	1.081E-02	N	N	N	30	7.178E+00	3.658E+01	4.376E+01	0.000E+00	4.376E+01
7/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	78.999	80.745	1.252E-02	N	N	N	31	8.147E+00	4.197E+01	5.011E+01	0.000E+00	5.011E+01
8/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	77.592	79.139	1.192E-02	N	N	N	31	7.185E+00	4.008E+01	4.727E+01	0.000E+00	4.727E+01
9/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	69.808	71.066	9.267E-03	N	N	N	30	5.119E+00	3.166E+01	3.678E+01	0.000E+00	3.678E+01
10/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		0.000E+00	57.797	58.723	6.214E-03	N	N	N	2.5	2.736E-01	0.000E+00	2.736E-01	0.000E+00	2.736E-01
10/3/2023 12:00	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		0.000E+00	57.065	57.065	5.881E-03	N	N	Y	0.041667	0.000E+00	0.000E+00	0.000E+00	1.880E+00	1.880E+00
10/3/2023 13:00	Tank-5003	45	FRT (no floating roof)	Out of Service no code		0.000E+00	0.000	0.000	0.000E+00	N	N	N	0.458333	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10/4/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	57.797	58.723	6.214E-03	N	N	N	28	6.014E+00	2.061E+01	2.662E+01	0.000E+00	2.662E+01
11/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	47.933	48.539	4.404E-03	N	N	N	30	1.908E+00	1.573E+01	1.764E+01	0.000E+00	1.764E+01
12/1/2023	Tank-5003	45	FRT (no floating roof)	#2 Fuel Oil 0018XX		1.122E+06	37.806	38.301	3.072E-03	N	N	N	31	1.235E+00	1.120E+01	1.243E+01	0.000E+00	1.243E+01

lb/year	29,729.62	16,136.33	28,358.42	30,334.13	58,691.36
tpy	14.865	8.068	14.179	15.167	29.346
annual lb/	3.394	1.842	3.237	14.761	17.998

[illegible]

[illegible]

Worst-case annual emission rates by tank (includes working/standing emissions only)
(HAPS emissions are shown in lbs/year)

Tank ID	VOCs	Benzene	Cumene (isopropylbenzene)	Naphthalene	Toluene	Xylene	Ethylbenzene	Iso-octane {2,2,4 trimethylpentane}	Hexane (n-)	Trimethylbenzene (1,2,4)	Cyclohexane
	Routine Emissions (Tons/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)	Routine Emissions (Lbs/yr)
Tank-1	1.26E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	2.10E+01	0.00E+00	0.00E+00	0.00E+00	1.64E-01	0.00E+00
Tank-2	1.26E-03	0.00E+00	0.00E+00	7.15E-03	0.00E+00	2.10E+01	4.81E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tank-3	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-01	2.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tank-4	1.80E-04	0.00E+00	0.00E+00	1.05E-03	0.00E+00	3.00E+00	6.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tank-5	4.92E-04	0.00E+00	0.00E+00	2.32E-03	0.00E+00	2.73E+00	9.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tank-1001	9.68E-03	1.50E-01	1.65E-03	1.76E-03	1.69E-01	1.50E-01	2.15E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00
Tank-1002	9.68E-03	1.50E-01	1.65E-03	1.76E-03	1.69E-01	1.50E-01	2.15E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00
Tank-1003	9.68E-03	1.50E-01	1.65E-03	1.76E-03	1.69E-01	1.50E-01	2.15E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00
Tank-1004	9.68E-03	1.50E-01	1.65E-03	1.76E-03	1.69E-01	1.50E-01	2.15E-02	0.00E+00	0.00E+00	1.62E-02	0.00E+00
HO-1	4.71E-04	6.43E-03	8.92E-05	1.17E-04	7.81E-03	7.66E-03	1.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00
HO-2	9.57E-05	1.31E-03	1.81E-05	2.37E-05	1.59E-03	1.56E-03	2.22E-04	0.00E+00	0.00E+00	1.90E-04	0.00E+00
HO-3	4.71E-04	6.43E-03	8.92E-05	1.17E-04	7.81E-03	7.66E-03	1.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00
HO-4	4.71E-04	6.43E-03	8.92E-05	1.17E-04	7.81E-03	7.66E-03	1.09E-03	0.00E+00	0.00E+00	9.35E-04	0.00E+00
Tank-18	2.35E-01	3.37E+00	4.28E-02	5.23E-02	3.97E+00	3.75E+00	5.36E-01	0.00E+00	0.00E+00	4.39E-01	0.00E+00
Tank-25	9.59E-01	5.45E+00	2.04E+00	1.70E-01	1.53E+01	9.42E+00	1.83E+00	8.87E+00	3.86E+01	2.24E+00	6.68E+00
Tank-26	3.69E-01	2.10E+00	7.90E-01	6.58E-02	5.91E+00	3.64E+00	7.07E-01	3.42E+00	1.49E+01	8.67E-01	2.57E+00
Tank-27	5.25E-01	3.24E+00	1.83E+00	1.66E-01	1.08E+01	7.97E+00	1.52E+00	5.77E+00	2.20E+01	2.11E+00	3.94E+00
Tank-35	9.05E-01	1.30E+01	1.65E-01	2.01E-01	1.53E+01	1.45E+01	2.07E+00	0.00E+00	0.00E+00	1.69E+00	0.00E+00
Tank-36	5.53E-01	2.75E+00	3.22E+00	2.59E-01	1.93E+01	1.46E+01	2.74E+00	1.86E+01	1.07E+01	3.70E+00	1.95E+00
Tank-37	2.25E+00	1.23E+01	3.35E+00	2.49E-01	3.13E+01	1.64E+01	3.25E+00	1.91E+01	8.92E+01	3.46E+00	1.52E+01
Tank-38	8.96E-01	1.29E+01	1.64E-01	2.00E-01	1.52E+01	1.43E+01	2.05E+00	0.00E+00	0.00E+00	1.68E+00	0.00E+00
Tank-39	9.14E-01	1.31E+01	1.67E-01	2.04E-01	1.55E+01	1.46E+01	2.09E+00	0.00E+00	0.00E+00	1.71E+00	0.00E+00
Tank-40	5.92E-01	3.74E+00	2.56E+00	2.34E-01	1.42E+01	1.09E+01	2.09E+00	8.33E+00	2.39E+01	2.95E+00	4.41E+00
Tank-41	5.93E-01	2.90E+00	3.24E+00	2.58E-01	1.98E+01	1.48E+01	2.77E+00	1.94E+01	1.13E+01	3.70E+00	2.05E+00
Tank-42	4.10E+00	2.18E+01	4.13E+00	2.53E-01	5.05E+01	2.22E+01	4.50E+00	3.22E+01	1.60E+02	3.87E+00	2.69E+01
Tank-5001	9.62E-01	5.20E+00	1.24E+00	8.71E-02	1.28E+01	6.27E+00	1.25E+00	7.91E+00	3.79E+01	1.24E+00	6.42E+00
Tank-5002	1.14E-01	7.08E-01	0.00E+00	0.00E+00	4.34E-01	1.68E-01	8.73E-02	0.00E+00	1.34E+00	0.00E+00	0.00E+00
Tank-5003	1.65E-01	2.36E+00	3.01E-02	3.68E-02	2.79E+00	2.64E+00	3.77E-01	0.00E+00	0.00E+00	3.09E-01	0.00E+00
Sum	14.179										

Worst-case short-term emission rates by tank for tank degassing event (initial 1-hour vapor space purge)

Tank ID	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge)	Tank Cleaning 1st Hour Degas (Vapor Space Purge) 1,2,3	Tank Cleaning 1st Hour Degas (Vapor Space Purge)
	VOC Emissions lbs/hr	Benzene Emissions lbs/hr	Cumene Emissions lbs/hr	Naphthalene Emissions lbs/hr	Toluene Emissions lbs/hr	Xylene Emissions lbs/hr	Ethylbenzene Emissions lbs/hr	Isooctane Emissions lbs/hr	Hexane Emissions lbs/hr	Trimethylbenzene Emissions lbs/hr	Cyclohexane Emissions lbs/hr	
Tank-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-1001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-1002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-1003	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-1004	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HO-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HO-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HO-3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HO-4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tank-18	2.73E+00	2.04E-02	2.41E-04	2.73E-04	2.35E-02	2.15E-02	3.09E-03	no data	0.00E+00	2.41E-03	no data	
Tank-25	1.34E+03	2.25E+00	1.93E-01	8.44E-04	4.61E+00	1.41E+00	2.92E-01	5.00E+00	1.93E+01	9.82E-02	2.85E+00	
Tank-26	7.42E+02	1.25E+00	1.07E-01	4.68E-04	2.56E+00	7.81E-01	1.62E-01	2.78E+00	1.07E+01	5.45E-02	1.58E+00	
Tank-27	1.34E+03	2.25E+00	1.93E-01	8.44E-04	4.61E+00	1.41E+00	2.92E-01	5.00E+00	1.93E+01	9.82E-02	2.85E+00	
Tank-35	1.18E+01	8.86E-02	1.05E-03	1.18E-03	1.02E-01	9.34E-02	1.34E-02	no data	0.00E+00	1.05E-02	no data	
Tank-36	1.76E+03	2.30E+00	3.66E-01	1.51E-03	1.06E+01	2.71E+00	5.96E-01	1.74E+01	8.64E+00	1.72E-01	1.58E+00	
Tank-37	1.76E+03	2.96E+00	2.55E-01	1.11E-03	6.08E+00	1.86E+00	3.85E-01	6.59E+00	2.54E+01	1.29E-01	3.75E+00	
Tank-38	1.07E+01	8.00E-02	9.44E-04	1.07E-03	9.21E-02	8.44E-02	1.21E-02	no data	0.00E+00	9.45E-03	no data	
Tank-39	1.07E+01	8.00E-02	9.44E-04	1.07E-03	9.21E-02	8.44E-02	1.21E-02	no data	0.00E+00	9.45E-03	no data	
Tank-40	1.76E+03	2.96E+00	2.55E-01	1.11E-03	6.08E+00	1.86E+00	3.85E-01	6.59E+00	2.54E+01	1.29E-01	3.75E+00	
Tank-41	1.76E+03	2.30E+00	3.66E-01	1.51E-03	1.06E+01	2.71E+00	5.96E-01	1.74E+01	8.64E+00	1.72E-01	1.58E+00	
Tank-42	1.76E+03	2.96E+00	2.55E-01	1.11E-03	6.08E+00	1.86E+00	3.85E-01	6.59E+00	2.54E+01	1.29E-01	3.75E+00	
Tank-5001	4.82E+02	8.10E-01	6.97E-02	3.04E-04	1.66E+00	5.08E-01	1.05E-01	1.80E+00	6.96E+00	3.54E-02	1.03E+00	
Tank-5002	8.17E+01	3.01E-01	no data	no data	1.27E-01	2.27E-02	1.31E-02	no data	6.18E-01	no data	no data	
Tank-5003	1.88E+00	1.41E-02	1.66E-04	1.88E-04	1.62E-02	1.48E-02	2.12E-03	no data	0.00E+00	1.66E-03	no data	



EMECS 20 MMBTU/hr

DESIGN SPECIFICATIONS

<u>THERMAL OXIDIZER</u>	
MAXIMUM PROCESS FLOW RATE	16,000 SCFM
INLET TEMPERATURE	AMBIENT
OPERATING TEMPERATURE	1400-1600° (2,000° F MAX)
HYDROCARBON DESTRUCTION EFFICIENCY	>99.9% THC DESTRUCTION
DWELL TIME	0.66 SECONDS MINIMUM
HYDROCARBON LOADING	100% BY VOLUME
BURNER CAPACITY	20 MILLION BTUH MAX.
<u>COMB. AIR FAN</u>	
TYPE	CENTRIFUGAL AIRFOIL FAN
SIZE	5020
CAPACITY	14,000 SCFM W/VFD
COMBUSTION AIR FAN MOTOR	30 H.P.
<u>PROCESS BLOWER</u>	
TYPE	MULTI-STAGE CENTRIFUGAL BLOWER
SIZE	2000
CAPACITY	2,000 SCFM W/ VFD
MOTOR HP	30 H.P.
<u>MISCELLANEOUS</u>	
BURNER MANAGEMENT SYSTEM	HONEYWELL
<u>GAS TRAIN</u>	
1. MAIN GAS	NATURAL GAS OR PROPANE GAS @ 10 P.S.I.
2. PILOT GAS	NATURAL GAS OR PROPANE GAS @ 10 P.S.I.
3. GAS PRESSURE AT BURNER	10 P.S.I.
4. MAIN GAS PIPE SIZE	2"
5. PILOT GAS PIPE SIZE	½"
6. TYPE OF GAS TRAIN	NFPA 86

PERMIT/CERTIFICATE**State of New Jersey****Department of Environmental Protection**

Environmental Regulation
Division of Air Quality
Air Quality Permitting Element
Mail Code 401-02
P.O. Box 420
Trenton, NJ 08625-0420

**Certificate to Operate Control Apparatus
and/or Equipment**

Facility ID: 61297
Facility Name: ENVENT CORP

Mailing Address:
3220 E 29TH ST
LONG BEACH , CA 90755

Plant Location:
3220 E 29TH ST
LONG BEACH , CA 90755

County:
Out Of State

Location Description:

Permit ID: PCP 150001
Permit Type: Construction of New Source

Status: Renewed
Status Date: 07/15/2020

Effective: 07/21/2015
Expiration: 07/20/2025

Designation of Equipment: Thermal Ox.

Equipment Description: Mobile Thermal
Oxidizer

Designation of Equipment: Power Gen.
Designation of Equipment: Bladder Tank

Equipment Description: Diesel Generator
Equipment Description: Expandable
vapor storage

Certificate to Operate Control Apparatus and/or Equipment

This five year certificate is being issued under the authority of Chapter 106, P.L. 1967 N.J.S.A.26:2C-9.2. The possession of this document does not relieve you from the obligation of complying with all provisions of the New Jersey Administrative Code, Title 7, Chapter 27.

In addition to the facility specific requirements listed in this permit, the facility must comply with all applicable rules and requirements as well as the information contained in the approved permit. The facility must also comply with any applicable requirements of the N.J.A.C. 7:27-8.1 et. Seq. and other state rules summarized in the General Provisions for Preconstruction Permits, www.state.nj.us/dep/agpp/applying.html

Pursuant to N.J.A.C. 7:27-8.13(b), the department may modify the conditions of approval of this certificate at the time of renewal or at any time when the certificate is in force, if deemed necessary to protect human health, welfare or the environment.

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SOURCE TEST REPORT

ENVENT CORPORATION @ PBF

Tank Degassing EMECS 20-3 Thermal Oxidizer Tank TK 13188 NO_x, CO and VOC Emission Results NST-6903

Test Date: October 19, 2021

Report Date: November 15, 2021

Performed and Reported by:

BEST ENVIRONMENTAL
339 Stealth Court
Livermore, CA 94551
Phone: (925) 455-9474
Fax: (925) 455-9479
Email: bestair@best-enviro.com

Prepared For:

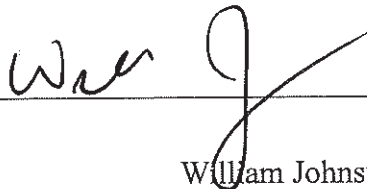
Envent Corporation
1231 Loveridge Rd
Pittsburg, CA 94565
Attn: Adrien Abundes

For Submittal To:

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105-2006

REVIEW AND CERTIFICATIONTeam Leader:

The work performed herein was conducted under my supervision, and I certify that the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program. If this report is submitted for compliance purposes it should only be reproduced in its entirety. If there are any questions concerning this report, please call the Team Leader or Reviewer at (925) 455-9474.



William Johnston
Project ManagerReviewer:

I have reviewed this report for presentation and accuracy of content, and hereby certify that to the best of my knowledge the information is complete and correct.



Basim (Bobby) Asfour
Principal

Source Test Information

Facility Name: Envent
1231 Loveridge Rd
Pittsburg, CA 94565

Test Location: PBF Martinez Refinery, A0011

Source: Thermal Oxidizer, EMECS 20-3, Tank 13188

Purpose of Test: Compliance with BAAQMD Regulation 8, Rule 5, Section 331

Test Parameters: O₂, NO_x, CO and VOC

Limits & Results:	Limit	Result
	VOC: 90% DRE	99.9% DRE

Agency: Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105-2006

Test Firm: BEST ENVIRONMENTAL
339 Stealth Court
Livermore, CA 94551
Phone (925) 455-9474

Contact: Bobby Asfour

Test Date: October 19, 2021

NST: Number 6903

Analytical Lab: BEST ENVIRONMENTAL
339 Stealth Court
Livermore, CA 94551
Phone (925) 455-9474

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SECTION 1. INTRODUCTION

1.1. Test Purpose

Best Environmental (BE) was contracted by Envent Corporation to perform emissions testing on a Thermal Oxidizer (T.O.) during a tank degassing at the PBF Martinez Refinery. The purpose of the test was to assess the unit's combustion emissions and determine compliance with BAAQMD Regulation 8, Rule 5 requirements for the VOC destruction. Thermal Oxidizer Unit EMECS 20-3 was used to during degassing of Tank 13188. NOx and CO concentrations were also measured for information purposes.

1.2. Test Location

The testing was conducted at the inlet and outlet of the thermal oxidizer. The equipment was located at PBF Martinez Refinery, Martinez, California.

1.3. Test Date

The test was conducted on October 19, 2021.

1.4. Test Parameters and Methods

The following emission parameters were measured.

Parameter	Monitoring & Analytical Protocols
Outlet O ₂ , NO _x and CO	EPA Methods 3A, 7E and 10
Outlet Volumetric Flow Rate	EPA Methods 1-4
Outlet VOC	EPA Method 25A
Inlet VOC	EPA Method 18
Tank Vapor Flow Rate	Vapor Monitoring System

1.5. Sampling and Observing Personnel

The test notification was submitted to the BAAQMD by BE on October 4, 2021 and assigned a Notice of Source Test Number 6903. William Johnston and Burt Kusich of BE performed the test. Adrien Abundes of Envent coordinated the test. No representative of the BAAQMD was present to witness the test.

SECTION 2. SUMMARY OF RESULTS

2.1. Emission Results

Table 2.1 presents the Average Test Results compared to the permit limit. Triplicate 60-minute runs were performed for all test parameters. Testing was conducted according to approved test methods. An extensive summary of the emissions is presented in Table 1 on page 6.

**Table 2.1: Average Test Results
Thermal Oxidizer EMECS 20-3**

Parameter	Result	Limit
CO, ppm	2.3	NA
NOx, ppm	44.8	NA
VOC, Removal Efficiency, %	99.96	90

2.2. Process Data

Table 2.2 presents Process Data. The unit was operated normally during the vapor destruction period.

**Table 2.2: Process Data
EMECS 20-3**

Parameter	T.O. Operating Temp., °F	Inlet Flow, scfm
Run 1	1,540	652
Run 2	1,546	652
Run 3	1,546	652

2.3. Comments: Discussion of Quality Assurance and Errors

Quality assurance procedures listed in the above referenced test methods and referenced in the Source Test Plan were performed and documented. The QA/QC procedures are described in Section 4.3 of the report. Documentation of the QA/QC is provided in Appendix A, B & E.

VOC is defined as non-methane/ethane hydrocarbons. Since the total hydrocarbon (THC) concentration was below the detection limit of the analyzer no determination of methane was required.

Inlet flow was measured from a permanent pitot tube and an electronic manometer. The calibration of the electric manometer is in Appendix E. The flow is determined from a flow correlation chart which is based on pipe diameter and the pressure. The flow correlation chart along with the oxidizer temperature chart and the Envent manually recorded process data is in Appendix F.

SECTION 3. SOURCE OPERATION

3.1. Process Description

Envent Corporation operates tank-degassing systems operated by thermal oxidation. Vapors collected from the degassing process are captured and destroyed in the propane-fired unit. The system consists of a flame monitoring system, a burner, and a trend recorder. The unit controls are equipped to monitor and/or control vapor flow, operating temperatures as well as several other key operating parameters.

3.2. Flow Diagram

A digital image of the exhaust is contained in Appendix G.

3.3. Normal Operating Parameters

The thermal oxidizer was operating normally during the test periods.

3.4. Testing or Process Interruptions and Changes

The unit was tested without delays.

SECTION 4. SAMPLING AND ANALYSIS PROCEDURES

4.1. Port Location

Emissions from each exhaust were sampled through a two 2-inch dia. ports on the circular stack >1 stack diameters downstream from the nearest disturbance (bend or junction) and <1 stack diameter upstream from the exit. A ladder was used to access the outlet.

The dimensional cross-section of the outlet stack is 56-inches.

Inlet vapors were sampled via a port tap on the ~6-inch inlet line just prior to the intake manifold. The vapors were accessed at ground level.

4.2. Point Description/Labeling – Ports/Stack

Single point sampling was performed.

4.3. Method Description, Equipment, Sampling, Analysis and QA/QC

Sampling and analytical procedures of the methods were followed as published in the EPA CFR.

The following is an overview of the Testing Performed

Parameter	Location	Method(s)	Duration	# of Runs
O ₂ , CO ₂ , NO _x & CO	Exhaust	EPA Method 3A, 7E & 10	60 mins	3
VOC	Exhaust	EPA Method 25A	60 mins	3
VOC	Inlet	EPA Method 18	60 mins	3
Flow Rate, DSCFM	Exhaust	EPA Method 1-4	Concurrent	3
Flow Rate, DSCFM	Inlet	Vapor Monitoring System	Concurrent	3

EPA Method 1 This method is used to determine the duct of stack area and appropriate traverse points that represent equal areas of the duct for sampling and velocity measurements. The point selection is made based on the type of test (particulate or velocity), the stack diameter and port location distance from flow disturbance.

EPA Method 2 (outlet) is used to determine stack gas velocity using a standard or S-type pitot tube and inclined manometer or magnehelic. Temperature is monitored using a K-type thermocouple and calibrated Omega temperature meter. Leak checks are performed before and after each traverse to validate the results. Geometric calibrations of S-type pitots are performed and records are submitted with the report.

EPA Method 3 is used to determine the stack gas molecular weight based on stack %O₂ and %CO₂ concentrations as measured by EPA Methods 3A and 3C.

EPA Method 4 is used to determine the moisture content in the gas stream by extracting a sample and condensing the moisture in the impingers and the silica gel trap. The moisture gained is determined volumetrically and gravimetrically. Results are recorded on the field data sheet. A sample is pulled using a leak tight pump. Volume is measured with a calibrated dry gas meter. Pre- and post-test leak checks are performed for each run.

EPA Method 7E, 10 & 3A are all continuous monitoring techniques using instrumental analyzers. Sampling is performed by extracting exhaust flue gas from the stack, conditioning the sample and analyzing the flue gas using continuous monitoring gas analyzers in a CEM test van. The sampling system consists of a stainless steel sample probe, Teflon sample line, glass-fiber particulate filter, glass moisture-knockout condensers in ice, Teflon sample transfer tubing, diaphragm pump and a stainless steel/Teflon manifold and flow control/delivery system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response differences. The entire sampling system is leak checked prior to and at the end of the sampling program.

The BE sampling and analytical system is checked for linearity with zero, mid and high level span calibration gases, and is checked for system bias at the beginning of the test day. System bias is determined by pulling calibration gas through the entire sampling system. Individual test run calibrations uses the calibration gas, which most closely matches the stack gas effluent. The calibration gases are selected to fall approximately within the following instrument ranges; 80 to 95 percent for the high calibration, 40 to 60 percent for the mid range and zero. Zero, calibration and bias drift values are determined for each test.

EPA Methods 7E, 10 & 3A met the following QA/QC method requirements:

System Criteria

Instrument Linearity	≤ 2% Calibration Span or ±0.5diff.
Instrument Bias	≤ 5% Calibration Span or ±0.5 diff.
NO ₂ Converter Efficiency	≥ 90%
System Response Time	≤ 2 minutes

Test Criteria

Instrument Zero Drift	≤ 3% Calibration Span or ±0.5 diff.
Instrument Span Drift	≤ 3% Calibration Span or ±0.5 diff.

Instrumentation: The following continuous emission monitors were used:

Instrument	Analyte	Principle
CAI Model 601P	O ₂	Paramagnetic
CAI Model 600CLD	NO _x	Chemiluminescence
TECO Model 48i	CO	GFC IR analyzer
CAI Model 300M	THC	HFID

All BE calibration gases are EPA Protocol # 1. The analyzer data recording system consists of strip chart recorders, which can be supported by BE's Data Acquisition System (DAS).

EPA 25A (THC by FID) is an accepted method for the determination of THC. A flame ionization detector (FID) total hydrocarbon continuous monitor is used for the sampling. The sampling and calibrations are performed through an all heated sample line connected directly to the THC analyzer without the removal of moisture. The FID in the analyzer is heated to 190 °C. The calibration gases are selected to fall within the following instrument ranges; 80 to 90 percent for the high calibration, 45 to 55 percent for the mid-range calibration, 25 to 35 percent for the low range calibration and zero. Zero and mid calibration drift values are determined for each test run.

4.4. Analytical Laboratories

All samples were analyzed by BE.

TABLE #1
Envent @ PBF
EMECS 20-3 Oxidizer
NO_x, CO, & VOC Test Results

TEST	1	2	3	AVERAGE	LIMIT
Test Date	10/19/21	10/19/21	10/19/21		
Test Time	1242-1342	1356-1456	1509-1609		
Standard Temp., °F	70	70	70		
Process Parameters					
Oxidizer Temp., °F	1,540	1,546	1,546	1,544	
Inlet Fuel Flow Rate, DSCFM	652	652	652	652	
Outlet Emissions					
Outlet Flow Rate, DSCFM (M19)	2,989	2,971	2,936	2,965	
O ₂ , %	13.95	14.01	13.99	13.98	
CO ₂ , %	4.17	4.21	4.23	4.20	
NO _x , ppm	43.98	45.78	44.72	44.83	
NO _x , ppm corr. to 15% O ₂	37.4	39.2	38.2	38.2	
NO _x , lbs/hr	0.94	0.97	0.94	0.95	
CO, ppm	2.20	2.15	2.58	2.31	
CO, ppm corr. to 15% O ₂	1.87	1.84	2.20	1.97	
CO, lbs/hr	0.029	0.028	0.033	0.030	
THC, ppm as methane	<1.0	<1.0	<1.0	<1.0	
NMOC, ppm as methane	<1.0	<1.0	<1.0	<1.0	
NMOC, lbs/hr	<0.0074	<0.0066	<0.0065	<0.0069	
Inlet Emissions					
Inlet NMOC, ppm as methane	18,542	11,281	8,764	12,862	
Inlet NMOC, lbs/hr	30.01	18.26	14.18	20.82	
Efficiency					
NMOC, Destruction Efficiency %	>99.98%	>99.96%	>99.95%	>99.96%	

CH₄ was not measured separately due to low measured THC concentrations.

WHERE:

MW = Molecular Weight

DSCFM = Dry Standard Cubic Feet Per Minute

ppm = Parts Per Million Concentration

lbs/hr = Pound Per Hour Emission Rate

lbs/MMBtu = Pounds per million BTU

CO = Carbon Monoxide (MW = 28)

NO_x = Oxides of Nitrogen as NO₂ (MW = 46)

THC = Total Hydrocarbons as Methane (MW = 16)

VOC = Total Non-Methane Hydrocarbons as Methane-C1 (MW = 16) CH₄

VOC = Total Non-Methane Hydrocarbons as Hexane-C6 (MW = 86.18) C₆H₁₄

CALCULATIONS:

VOC ppm = THC ppm - CH₄ ppm

lbs/hr = ppm * DSCFM * MW * 60 / 379 x 10⁶ (@60°F)

Removal Efficiency = (inlet lbs/hr-outlet lbs/hr) / Inlet lbs/hr

ppm @ 3% O₂ = ppm * 17.9 / (20.9-stack O₂)

lbs/MMBtu = Fd * M.W.* ppm * 2.59E-9 * (20.9/(20.9-%O₂))

Revisions to Application Package

Updated 7/9/2024

Including:

- Revised Contact Information
- Updated emission calculations (emission factor for particulate matter was revised to AP-42 value)
- ACFM exhaust flow rate from Portable Vapor Combustion Unit

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): Energy Transfer Marketing & Terminals, L.P.

Facility ID (AIMS): 07733

Street Address: ENERGY TRANSFER MARKETING &
TERMINALS LP
NEWARK TERMINAL
436 DOREMUS AVE
NEWARK, NJ 07105-4876

Mailing Address: PATRICK CASPER
1240 CROWN PT RD
436 DOREMUS AVE
WESTVILLE, NJ 08093

State Plane Coordinates:

X-Coordinate: 1,962,500

Y-Coordinate: 690,250

Units: Other

Datum: Unknown

Source Org.: Other/Unknown

Source Type: Approx. Addr. Match

County: Essex

Location Description: This facility is a petroleum bulk storage
terminal located in Newark, New Jersey.

Industry:

Primary SIC: 4226

Secondary SIC:

NAICS: 493190

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Air Permit Information Contact

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Patrick Casper

NJ EIN: 00233096838

Title: Sr. Environmental Specialist

Phone: (856) 853-3155 x

Mailing Address: 1240 Crown Point Road
Westville, NJ 08093

Fax: () - x

Other: () - x

Type:

Email: patrick.casper@energytransfer.com

Contact Type: Fees/Billing Contact

Organization: Energy Transfer Marketing & Terminals, LP

Org. Type: LP

Name: Patrick Casper

NJ EIN: 00233096838

Title: Sr. Environmental Specialist

Phone: (856) 853-3155 x

Mailing Address: 1240 Crown Point Road
Westville, NJ 08093

Fax: () - x

Other: () - x

Type:

Email: patrick.casper@energytransfer.com

Contact Type: Operator

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Energy Transfer M&T, L.P.

NJ EIN: 00233096838

Title: Owner/Operator

Phone: (214) 981-0700 x

Mailing Address: 8111 Westchester Drive
Suite 600
Dallas, TX 75225

Fax: () - x

Other: () - x

Type:

Email: Eric.scheivert@energytransfer.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Current Primary)

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Energy Transfer M&T, L.P.

NJ EIN: 00233096838

Title: Owner/Operator

Phone: (214) 981-0700 x

Mailing Address: 8111 Westchester Drive
Suite 600
Dallas, TX 75224

Fax: () - x

Other: () - x

Type:

Email: Eric.scheivert@energytransfer.com

Contact Type: Responsible Official

Organization: Energy Transfer M&T, L.P.

Org. Type: LP

Name: Eric Scheivert

NJ EIN: 00233096838

Title: Terminal Manager

Phone: (215) 669-3235 x

Mailing Address: 436 Doremus Ave
Newark, NJ 07105-4876

Fax: () - x

Other: () - x

Type:

Email: Eric.scheivert@energytransfer.com

Portable Vapor Combustion Unit Emission Calculations
Energy Transfer Marketing & Terminals - Newark Terminal PI 07733

	Device Type	Maximum Expected Heat Input MMBTU/hr	Maximum Expected Annual Hours of Usage	Max Propane Usage gal/hr						
	Thermal Oxidizer	20	192	218.69	Propane heat value: 91,452 BTU/Gal EMECS 20 Design Max heat input 20,000,000 BTU/Hr					
Emissions Calculations for Propane Combustion:										
Emission Factors per AP42 Table 1.5-1 (lbs/1000 gal)	NOx	CO	PM10/PM2.5	TSP	VOC/TOC	SO2	CO2	CH4	N2O	CO2e
	13	7.5	0.7	0.7	1.00	0.1	12,500	0.2	0.9	
Propane combustion Hourly Emissions (lbs)	NOx	CO	PM10/PM2.5	TSP	VOC/TOC	SO2	CO2	CH4	N2O	CO2e
Propane Combustion Annual Emission PTE (lbs)	2.843021476	1.640204698	0.153085772	0.153085772	0.21869396	0.021869396	2733.6745	0.043738792	0.19682456	
Propane Combustion Annual Emission PTE (tons)	545.9	314.9	29.4	29.4	42.0	4.2	524,865.5	8.4	37.8	524,911.7
	0.27	0.16	0.01	0.01	0.02	0.00	262.43	0.00	0.02	262.46
Emissions Calculations for VCU Gasoline Combustion										
Gasoline HAP Vapor Weight, fraction	Benzene	Cumene (isopropylbenzene)	Ethylbenzene	Hexane (n-)	Iso-octane (2,2,4 trimethylpentane)	Naphthalene	Toluene	Xylene		
	0.4788	0.0139	0.0175	1.9323	0.2699	3.92E-05	0.2742	0.1064		
VCU gasoline HAP emissions (Lbs/hr)	0.007159666	0.000207713	0.000261282	0.028896751	0.004035677	5.87E-07	0.00410095	0.00159183		
VCU gasoline HAP emissions (Lbs/yr)	1.374655896	0.03988092	0.050166111	5.548176188	0.774850007	1.13E-04	0.78738152	0.30563183		
VCU gasoline annual HAP emissions (tons/yr)	0.000687328	1.99405E-05	2.50831E-05	0.002774088	0.000387425	5.63E-08	0.00039369	0.00015282		
Minimum combustor DRE	99%									
Combustor Capture Efficiency (Estimated)	98%									
Total Combustor Control Efficiency (Estimated)	97.02%									
Worst case VOC uncontrolled emission event (lbs)	2,408.85									
Annual VOC Emissions Uncontrolled (lbs)	9,635.38									
Annual VOC qty controlled by a PVCU (lbs)	9,348.25									
Annual VOC Controlled Emissions (lbs)	287.13									
VOC lbs/hour when using control device	1.50									

[EXTERNAL] RE: Energy Transfer - Air Emission Permit - Minor Modification Predraft (PI# 07733, BOP240001)

Rosendorn, Ronald M <RONALD.ROSENDORN@energytransfer.com>

Fri 5/31/2024 3:16 PM

To: George, Booker [DEP] <Booker.George@dep.nj.gov>

Cc: Pagodin, Timothy [DEP] <Timothy.Pagodin@dep.nj.gov>

1 attachments (994 KB)

NJDEP Specs Permit Source Test - EMECS 20.pdf;

Booker,

Ok so with regard to the portable combustor flow rate, the EMECS-20 spec sheet from the manufacturer indicates the maximum process flow rate is 16,000 SCFM. I understand that the relationship between SCFM and ACFM is expressed by:

$$ACFM = SCFM [P_{std} / (P_{act} - P_{sat} \Phi)] (T_{act} / T_{std})$$

where

ACFM = Actual Cubic Feet per Minute

SCFM = Standard Cubic Feet per Minute

P_{std} = standard absolute air pressure (psia)

P_{act} = absolute pressure at the actual level (psia)

P_{sat} = saturation pressure at the actual temperature (psi)

Φ = Actual relative humidity

T_{act} = Actual ambient air temperature ($^{\circ}$ R)

T_{std} = Standard temperature ($^{\circ}$ R)

This is an annoying equation to compute by hand but I used an on-line calculator to determine that the ACFM is: **16,398.869**

See screen shot that I copied below.

The screenshot shows a web browser window with the URL https://www.engineeringtoolbox.com/scfm-acfm-icfm-d_1012.html. The page is titled "Online SCFM - ACFM Calculator". It features a sidebar on the left with "Pressure" and "Flow" conversion options. The main content area has input fields for SCFM (16000), Standard absolute air pressure - P_{std} (14.696 psia), Actual absolute air pressure - P_{act} (14.47 psia), Saturation pressure at the actual temperature - P_{sat} (0.239 psia), Actual relative humidity - Φ (0.55), Actual ambient air temperature - T_{act} (518 $^{\circ}$ R), and Standard air temperature - T_{std} (518 $^{\circ}$ R). A "Calculate!" button is present, and the result is displayed as "ACFM: 16398.869". The page also includes a "Related Mobile Apps from The Engineering Toolbox" section, a "Make Shortcut to Home Screen?" prompt, and several advertisements, including one for Jeep and another for home decor styles.

Let me know if anything else is needed at this time.

Thanks.

Have a good weekend.

Ron Rosendorn