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August 9, 2013

Thomas Miller
NYS DEC Region 3
Division of Air Resources
21 S Putt Corners Road
New Paltz, NY 12561-1696

Re: Global Companies LLC – New Windsor Rail Project;
Global Companies LLC - Newburgh Terminal; Title V Facility Permit No. 3-3348-00111/00023
Global Companies LLC - North Terminal; Title V Facility Permit No. 3-3348-00087/00005
Global Companies LLC - South Terminal; Title V Facility Permit No. 3-3348-00197/00053

Dear Mr. Miller;

On behalf of Global Companies LLC (Global), Envirospec Engineering, PLLC (Envirospec) is submitting the attached application for Significant Title V Permit Modifications at Global's Newburgh, North, and South Terminals, each located along River Road in New Windsor, New York. This modification will combine the Newburgh, North and South Terminals, currently operating under Title V Facility Permit No.'s 3-3348-00111/00023, 3-3348-00087/00005, and 3-3348-00197/00053. Global is requesting to maintain the three (3) current Title V permits for the new combined facility, as allowed by 6 NYCRR Part 201-6.1(d). Global has proposed permit language to connect the permits and combine the Terminals on the attached annotated permits and application forms.

The project involves construction of a rail transloading facility at 1220 River Road, a property currently being purchased by Global located between the North and South Terminals. The rail project will connect the Newburgh, North and South Terminals by both aboveground and underground piping. Various petroleum products will be received by rail and offloaded into existing storage tanks. Products will be loaded into ships/barges at the existing Newburgh and North marine docks. Two (2) new John Zink vapor combustion units (VCUs) will be installed to control marine loading emissions at the docks. Both VCUs will be rated for 3mg/L of product loaded.

This significant Title V modification consists of permitting additional product storage as well as marine loading of various petroleum liquids. Heated petroleum products will also be permitted at the facility including crude, residual fuel oil and bio-fuels. The permit modification includes four elements as follows:

1) Construction of a new intermodal rail yard to allow transloading of petroleum liquids and volatile organic liquids,
2) Addition of marine loading of petroleum liquids and volatile organic liquids including ethanol, crude, heated products and gasoline at the existing marine docks at both the Newburgh and North Terminals,
3) Conversion of Tank 27 (South) and Tank 29 (Newburgh), which currently store distillates, to volatile petroleum product storage, and
4) Installation of boilers to heat products contained in rail cars and storage tanks, as necessary.

Project plans showing locations of the rail spurs, offloading stations, storage tanks, and approximate locations of boilers are included for reference.

Updated Potential to Emit (PTE) calculations for the terminals are included with this application. The tank emission calculations are based on the RVP of Bakken crude oil, as emissions from heated petroleum products are lower than emissions from the Bakken. EPA TANKS 4.09 Reports to support the modeling are included with this application. Heated petroleum products, specifically bio-fuel, may contain methanol, which has been added to the facility PTE has a new hazardous air pollutant (HAP).

Marine loading emissions are also based on the RVP of Bakken crude oil. Gasoline marine loading has been included as an operational flexibility scenario, without a separate throughput cap. It is proposed that gasoline be capped based on a conversion to equivalent crude loading; each gallon of crude oil is equivalent to 0.564 gallons of gasoline, and conversely each gallon of gasoline is equivalent to 1.774 gallons of crude. The conversion calculation is attached to this application and proposed permit language has been included in the annotated permits.

The Volatile Organic Compound (VOC) Project Emission Potential (PEP) from the proposed project is less than the Significant Project Threshold of 40 tpy as shown on the attached Project Emission Summary. Emission increases resulting from piping modifications related to the changes at the Terminal are also included in the emission calculations. Although the project will not require a New Source Review (NSR) permit since the PEP is less than 40 tons, the PEP is above 50 percent of the Significant Project Threshold and therefore 6 NYCRR Part 231-11.2(c) applies per 6 NYCRR Part 231-6.1(a). Annual emissions will be tracked accordingly. Permit language for Part 231-11.2(c) has been proposed on the attached annotated permits.

A total of six (6) natural gas-fired boilers will be installed to heat petroleum products, as needed, with two (2) boilers each rated at 4, 6 and 20 Mmbtu/hr. Four (4) of the boilers are exempt from permitting per 6 NYCRR 201-3.2(1)(i), because they are less than 10 Mmbtu/hr. The two (2) larger boilers (20 MMbtu/hr) are not exempt from permitting and are subject to 40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. As indicated in the attached Project Emission Summary, emissions from the boilers are below the major source thresholds for combustion-related pollutants – particulate matter, nitrogen oxides, sulfur oxides, and carbon monoxide.

As previously mentioned, Global will be converting Tank 29 (Newburgh) and Tank 27 (South) from distillate service to volatile petroleum product storage. To accommodate this change, IFRs will be installed in both tanks, which will now be subject to 40 CFR Part 60, Subpart Kb – Standards of Performance of Volatile Organic Liquid Storage Vessels.

The recording keeping requirements of 40 CFR Part 63 Subpart Y (63.567(j)(4)) will now apply to marine loading and have been included in the application. The MACT NESHAP Subpart R requirements do not apply as HAPs for the combined sources remain below major source thresholds. Applicable regulations are discussed further in the enclosed Regulatory Review.

The following items have been included as part of the permit modification application:

Attachment A	Project Emission Summary
Attachment B	Loading Emission Calculations
Attachment C	Project Flow Diagram
Attachment D	Emission Unit Matrices
Attachment E	Regulatory Review (including MACT analysis)
Attachment F	Certification by a Responsible Official Relevant Title V facility application forms for the modification PE Certification form
Attachment G	Annotated Permits (to be used in conjunction with application forms for proposed permit language)

Attachment H Facility Potential to Emit (PTE)
Attachment I TANKS 4.09 Reports
Attachment J Site Plans

Should you have any questions please feel free to contact me at 518-453-2203 or Tom Keefe of Global Companies LLC at 781-398-4132.

Sincerely,

Nicole Brower, PE
Senior Engineer
Envirospec Engineering PLLC

Cc: Tom Keefe – Director of EHS Operations (via email)
Ron Kenny – Operations Manager (via email)
Ty Kropp – Terminal Manager: North & South (via email)
Bob McDermott– Terminal Manager: Newburgh (via email)
Gianna Aiezza, PE – Envirospec
James Eldred – NYS DEC; Region 3

Attachment A

Project Emission Summary

VOC Emissions & Project Emission Potential

EMISSION SOURCE	2011	2012	ACTUAL EMISSIONS (Average of 2011 & 2012 Emission Statements)	PROJECTED ACTUAL EMISSIONS*
Newburgh				
Tank 29	0.81	0.98	0.90	4.90
South				
Tank 27	0.35	0.23	0.29	5.22
All Terminals				
Marine Loading (1,350 Mmgal / yr (88,000 bbls/day) @ 3mg/l as Crude)	0.00	0.00	0.00	28.80
Boiler Emissions	0.00	0.00	0.00	1.42
Additional Fugitive Emissions	0.00	0.00	0.00	0.10
TOTAL			1.19	40.44
			Total Projected Actual Emissions (tons/year)	**40.44**
			Total Actual Emissions (tons/year)	**1.19**
			Total Project Emission Potential** (tons/year)	**39.26**

* The potential to emit of each emission source.

** Defined in 6 NYCRR Part 231-4.1 (40). Determined only for modifications at existing facilities. For each regulated NSR contaminant, the project emission potential must consider only the proposed emission increases and is calculated as the sum of the potential to emit of each emission source (for new sources) and the difference between the baseline actual emissions and the projected actual emissions of the emission source (for existing sources).

NOTE: Total Project Emission Potential is below the Significant Project Threshold for VOCs of 40 tpy.

HAP Emissions

EMISSION SOURCE	FACILITY PTE HAP EMISSIONS*** (tons/year)	
	Largest Individual HAP****	Total HAPs
Newburgh	2.08	5.12
North	2.12	5.15
South	0.66	2.67
TOTAL:	**4.86**	**12.94**

*** See facility PTEs for calculations

**** Largest single HAP varies between sites; however this calculation conservatively uses the largest from each site.

NOTE: Largest Individual HAP and Total HAPs are both below Major Source Thresholds of 10 tpy and 25 tpy, respectively.

Project Emission Summary

Project Combustion Emissions

EMISSION SOURCE	PROJECTED ACTUAL EMISSIONS* BY POLLUTANT (tons/year)			
	PM	SOx	NOx	CO
Boiler 1 (4 Mmbtu/hr)	0.13	0.01	1.72	1.44
Boiler 2 (6 Mmbtu/hr)	0.20	0.02	2.58	2.16
Boiler 2 (6 Mmbtu/hr)	0.20	0.02	2.58	2.16
Boiler 3 (4 Mmbtu/hr)	0.13	0.01	1.72	1.44
Boiler 4 (20 Mmbtu/hr)	0.650	0.050	8.59	7.21
Boiler 5 (20 Mmbtu/hr)	0.650	0.050	8.59	7.21
VCUs	0.150	0.000	13.82	34.56
Total (tons/year)	**2.11**	**0.16**	**39.60**	**56.20**

* The potential to emit of each emission source.

Combustion Emissions

EMISSION SOURCE	FACILITY PTE COMBUSTION EMISSIONS*** (tons/year)			
	PM	SOx	NOx	CO
Newburgh	2.16	0.17	40.19	56.70
North	0.02	0.03	1.88	4.68
South	0.00	0.03	0.01	0.00
TOTAL:	**2.18**	**0.23**	**42.08**	**61.38**

*** See facility PTEs for calculations

NOTE: PM, SOx, NOx and CO emissions are below Major Source Thresholds of 100 tpy.

Attachment B

EMISSIONS FROM MARINE LOADING:

Throughput: 1,350 Mmgal

Loading into an Uncleaned Barge:

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
1.3590	1350	1834617	23850	1810767	33750	57600	**28.80**

NOTE: 3 mg/L = 0.025 lbs/1000 gallons

Emission Factor Calculation from AP-42 for Bakken Crude:	CL=	Ca +	Cg	Vapor Pressure	7.086
	CL=	1.3590		Molecular Weight	50
				Vapor Growth Factor	1.02
				Temperature *R	507.37
				Ca	0.86
Emission Factor Calculation from AP-42 for Heated Crude:	CL=	Ca +	Cg	Vapor Pressure	6.135
	CL=	1.2408		Molecular Weight	50
				Vapor Growth Factor	1.02
				Temperature *R	561.63
				Ca	0.86
Emission Factor Calculation from AP-42 for Heated Crude:	CL=	Ca +	Cg	Vapor Pressure	5.517
	CL=	1.2186		Molecular Weight	50
				Vapor Growth Factor	1.02
				Temperature *R	525.34
				Ca	0.86
Emission Factor Calculation from AP-42 for Ethanol:	EL =	12.46	(SPM / T)	Vapor Pressure	0.5685
	EL =	0.3431		Molecular Weight	50
				Temperature *R	516.1
Emission Factor Calculation from AP-42 for Residual No. 6:	DL =	12.46	(SPM / T)	Vapor Pressure	0.0002
	DL =	0.0004		Molecular Weight	190
				Temperature *R	580.00

- The largest Emission Factor is for Bakken Crude. Therefore, marine loading emissions are based on the Bakken Crude Emission Factor.

DETERMINATION OF MARINE LOADING OF GASOLINE CONVERSION FACTOR:

Gasoline Loading:

Throughput: 26.420 Mmgal

Loading into an Uncleaned Barge:

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
3.9000	26	103038	1339	101699	661	2000	**1.00000**

NOTE: 3 mg/L = 0.025 lbs/1000 gallons

Emission Factor from AP-42

Bakken Crude Loading:

Throughput: 46.875 Mmgal

Loading into an Uncleaned Barge:

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
1.3590	47	63702	828	62874	1172	2000	**1.00000**

NOTE: 3 mg/L = 0.025 lbs/1000 gallons

Emission Factor Calculation from AP-42 for Bakken Crude:

CL= Ca + Cg

CL= 1.3590

Vapor Pressure	7.086
Molecular Weight	50
Vapor Growth Factor	1.02
Temperature *R	507.37
Ca	0.86

Equivelency Calculations:

Gasoline Throughput	26.42000	0.564
Bakken Crude Throughput	46.87500	1

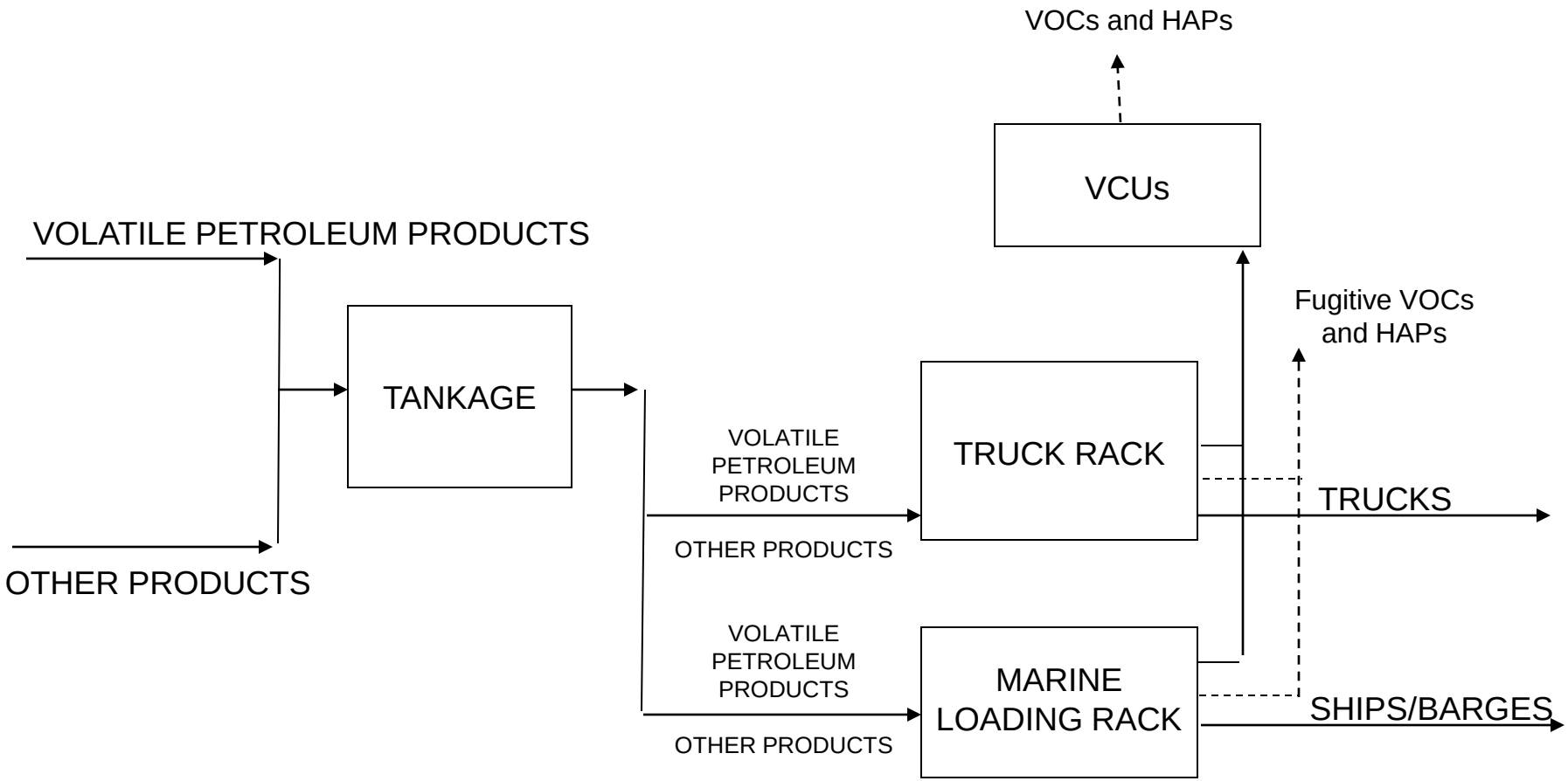
Therefore, 1 gallon of Bakken Crude is equivelent to 0.564 gallons of Gasoline

Bakken Crude Throughput	46.87500	1.774
Gasoline Throughput	26.42000	1

Therefore, 1 gallon of Gasoline is equivelent to 1.774 gallons of Bakken Crude

Attachment C

Global New Windsor Rail Project



Attachment D

Emission Unit Matrix - Newburgh Terminal

Emission Unit ID	Emission Unit Description	Process ID	Process Description	SCC Code	Source ID	Source Description	Control ID	Control Description	Emission Point ID
1-MISCT	Bulk Storage Tank No. 26 containing water contaminated with gasoline and distillate.	FG2	Tank (TK026) containing wastewater contaminated with gasoline/ethanol and distillate fuels.	4-07-999-97	TK026	118,272 gallon Tank			00026
1-RACK1	Truck loading rack with 5 bays. One bay is used to load gasoline/ethanol only. One bay is used to load gasoline/ethanol and distillate and 3 bays used to load distillate. Gasoline vapors recovered from tank trucks are controlled by a vapor combustion unit.	R1D	Distillate tank truck loading at four (4) bays. Three (3) of the four (4) bays load distillate only. One (1) bay loads distillate and gasoline/ethanol.	4-04-002-50	RACK1	Rack 1			00001
		R1G	Gasoline truck loading at two (2) bays. One (1) bay loads gasoline/ethanol only. One (1) bay loads both gasoline/ethanol and distillate. Gasoline vapors are collected from tank trucks for destruction within the onsite vapor combustion unit.	4-04-002-50	RACK1	Rack 1	TLVCU	VAPOR COMBUSTION SYSTEM (INCL VAPOR COLLECTION AND COMBUSTION UNIT)	00001
		TTV	FUGITIVE EMISSIONS FROM LEAKS FROM TANK TRUCKS DURING LOADING.	4-04-001-54	RACK1	Rack 1			00001
		VCU	FUGITIVE EMISSIONS FROM LOSSES FROM THE VAPOR COMBUSTION UNIT.	4-04-001-52	RACK1	Rack 1			00001
1-RACK2	Marine loading dock controlled by a vapor combustion unit when loading volatile products. The loading of distillate / heated petroleum products is uncontrolled.	R2E	Ethanol loading emissions. Controlled by VCU.	4-06-002-98	RACK2	Rack 2	MVCU1 MVCU2	VAPOR COMBUSTION UNIT VAPOR COMBUSTION UNIT	00002
		R2C	Crude loading emissions. Controlled by VCU.	4-06-002-98	RACK2	Rack 2	MVCU1 MVCU2	VAPOR COMBUSTION UNIT VAPOR COMBUSTION UNIT	00002
		R2G	Gasoline loading emissions. Controlled by VCU.	4-06-002-98	RACK2	Rack 2	MVCU1 MVCU2	VAPOR COMBUSTION UNIT VAPOR COMBUSTION UNIT	00002
		R2D	Distillate / Heated Petroleum Product loading emissions.	4-06-002-98	RACK2	Rack 2			00002
		VCU	FUGITIVE EMISSIONS FROM LOSSES FROM THE VAPOR COMBUSTION UNIT.	4-06-002-98	RACK2	Rack 2			00002
1-TANKS	Six (6) storage tanks of different volumes contain gasoline, petroleum liquid or volatile organic liquids (including ethanol). All are fixed roof tanks with internal floating roofs.	FG1	MISCELLANEOUS FUGITIVE HAP AND VOC EMISSIONS FROM VALVES, PUMPS, AND FLANGE LEAKAGE. ALL EMISSIONS ARE AT INSIGNIFICANT LEVELS	4-04-001-51	FVPMP	Appurtenances			
		GAS	Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TK012, TK013, TK017, TK027, TK028 and TK030.	4-04-001-60	TK012	1,034,418 gallon Tank	TK12C	Internal Floating Roof	00012
					TK013	594,384 gallon Tank	TK13C	Internal Floating Roof	00013
					TK017	292,320 gallon Tank	TK17C	Internal Floating Roof	00017
					TK027	2,054,808 gallon Tank	TK27C	Internal Floating Roof	00027
					TK028	2,025,744 gallon Tank	TK28C	Internal Floating Roof	00028
					TK030	3,424,050 gallon Tank	TK30C	Internal Floating Roof	00030
		VOL	Storage of petroleum liquid or volatile organic liquids including crude and ethanol within seven tanks including TK012, TK013, TK017, TK027, TK028, TK029 and TK030.	4-03-010-99	TK012	1,034,418 gallon Tank	TK12C	Internal Floating Roof	00012
					TK013	594,384 gallon Tank	TK13C	Internal Floating Roof	00013
					TK017	292,320 gallon Tank	TK17C	Internal Floating Roof	00017
					TK027	2,054,808 gallon Tank	TK27C	Internal Floating Roof	00027
					TK028	2,025,744 gallon Tank	TK28C	Internal Floating Roof	00028
					TK029	5,527,378 gallon Tank	TK29C	Internal Floating Roof	00029
					TK030	3,424,050 gallon Tank	TK30C	Internal Floating Roof	00030
1-BOLR1	Natural-Gas Fired Boiler for rail car and storage tank heating.	NLG	Natural-Gas Fired Boiler for rail car heating.	1-02-006-02	BOLR1 BOLR2	20 Mmbtu Natural-Gas Fired Boiler 20 Mmbtu Natural-Gas Fired Boiler			00003 00004

Highlighting Represents a Revision

Emission Unit Matrix - North Terminal

Emission Unit ID	Emission Unit Description	Process ID	Process Description	SCC Code	Source ID	Source Description	Control ID	Control Description	Emission Point ID
1-00001	Six (6) storage tanks of different volumes contain gasoline, petroleum liquid or volatile organic liquids.	TNK	Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TNK01, TNK02, TNK03, TNK04, TNK05, and TNK10	4-04-001-60	TNK01	1,074,990 gallon Tank	TK01C	Internal Floating Roof	00T01
					TNK02	1,081,710 gallon Tank	TK02C	Internal Floating Roof	00T02
					TNK03	1,061,110 gallon Tank	TK03C	Internal Floating Roof	00T03
					TNK04	220,710 gallon Tank	TK04C	Internal Floating Roof	00T04
					TNK05	4,051,950 gallon Tank	TK05C	Internal Floating Roof	00T05
					TNK10	1,014,300 gallon Tank	TK10C	Internal Floating Roof	00T10
1-RACK2	Marine loading dock controlled by a vapor combustion unit when loading volatile products. The loading of distillate / heated petroleum products is uncontrolled.	R2E	Ethanol loading emissions. Controlled by VCU.	4-06-002-98	RACK2	Rack 2	MVCU1 MVCU2	VAPOR COMBUSTION UNIT VAPOR COMBUSTION UNIT	00002
		R2C	Crude loading emissions. Controlled by VCU.	4-06-002-98	RACK2	Rack 2	MVCU1 MVCU2	VAPOR COMBUSTION UNIT VAPOR COMBUSTION UNIT	00002
		R2G	Gasoline loading emissions. Controlled by VCU.	4-06-002-98	RACK2	Rack 2	MVCU1 MVCU2	VAPOR COMBUSTION UNIT VAPOR COMBUSTION UNIT	00002
		R2D	Distillate / Heated Petroleum Product loading emissions.	4-06-002-98	RACK2	Rack 2			00002
		VCU	FUGITIVE EMISSIONS FROM LOSSES FROM THE VAPOR COMBUSTION UNIT.	4-06-002-98	RACK2	Rack 2			00002
1-RACK1	Truck loading rack with four bays. Three of the four bays are used to load gasoline. Gasoline vapors recovered from tank trucks are controlled by a vapor combustion unit (open flare).	R1P	Emissions from truck loading of gasoline, petroleum liquid or volatile organic liquid.	4-04-002-50	RACK1	VCU	00VCU	Flare	LRVCU
1-BOLR1	Natural-Gas Fired Boiler for rail car heating.	NLG	Natural-Gas Fired Boiler for rail car heating.	1-02-006-02	BOLR1 BOLR2	20 Mmbtu Natural-Gas Fired Boiler 20 Mmbtu Natural-Gas Fired Boiler			00003 00004

Highlighting Represents a Revision

Emission Unit Matrix - South Terminal

Emission Unit ID	Emission Unit Description	Process ID	Process Description	SCC Code	Source ID	Source Description	Control ID	Control Description	Emission Point ID
1-TANKS	Seven (7) storage tanks of different volumes capable of storing gasoline, petroleum liquid or volatile organic liquids (including ethanol).	GAS	Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TK021, TK022, TK023, TK025, TK026, and TK030.	4-04-001-60	TK021	851,340 gallon Tank	TK21C	Internal Floating Roof	00021
					TK022	298,620 gallon Tank	TK22C	Internal Floating Roof	00022
					TK023	298,620 gallon Tank	TK23C	Internal Floating Roof	00023
					TK025	307,230 gallon Tank	TK25C	Internal Floating Roof	00025
					TK026	2,153,760 gallon Tank	TK26C	Internal Floating Roof	00026
					TK030	799,050 gallon Tank	TK30C	Internal Floating Roof	T0030
		VOL	Storage of petroleum liquid or volatile organic liquids including crude and ethanol within seven tanks including TK021, TK022, TK023, TK025, TK026, TK027 and TK030.	4-03-010-99	TK021	851,340 gallon Tank	TK21C	Internal Floating Roof	00021
					TK022	298,620 gallon Tank	TK22C	Internal Floating Roof	00022
					TK023	298,620 gallon Tank	TK23C	Internal Floating Roof	00023
					TK025	307,230 gallon Tank	TK25C	Internal Floating Roof	00025
					TK026	2,153,760 gallon Tank	TK26C	Internal Floating Roof	00026
					TK027	2,152,290 gallon Tank	TK27C	Internal Floating Roof	00027
					TK030	799,050 gallon Tank	TK30C	Internal Floating Roof	T0030
1-RACKS	Loading Rack equipped with two bottom fill bays capable of loading gasoline. Vapors are recovered from tanker trucks and controlled by a carbon absorption unit.	RGS	Submerged filling of petroleum liquid or volatile organic liquids.Vapors displaced during the filling process are collected and controlled.	4-04-002-50	GSRKL	Rack 1	VPORS	VAPOR RECOVERY SYSTEM (VAPOR ADSORPTION/ABSORPTION UNIT)	RACK1
1-BOLR1	Natural-Gas Fired Boiler for rail car heating.	NLG	Natural-Gas Fired Boiler for rail car heating.	1-02-006-02	BOLR1	20 Mmbtu Natural-Gas Fired Boiler			00001
					BOLR2	20 Mmbtu Natural-Gas Fired Boiler			00002

Highlighting Represents a Revision

Attachment E

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Global Companies LLC – New Windsor Rail Project
Regulatory Applicability Review

July 2013

Scope of Work:

Global Companies LLC (Global), is submitting an application for Significant Title V Permit Modifications at their Newburgh, North, and South Terminals, each located along River Road in New Windsor, New York. This modification will combine Global's Newburgh, North and South Terminals, currently operating under Title V Facility Permit No.'s 3-3348-00111/00023, 3-3348-00087/00005, and 3-3348-00197/00053. Global is requesting to maintain the three (3) current Title V permits for the new combined facility, as allowed by 6 NYCRR Part 201-6.1(d).

The proposed project involves construction of a rail transloading facility at 1220 River Road, a property currently being purchased by Global located between the North and South Terminals. The rail project will connect the Newburgh, North and South Terminals by both aboveground and underground piping. Various petroleum products will be received by rail and offloaded into existing storage tanks. Products will be loaded into ships/barges at the existing Newburgh and North marine docks.

The significant Title V modification consists of permitting the storage of crude oil as well as marine loading of various petroleum products. Heated petroleum products will also be permitted at the facility including crude, residual fuel oil and bio-fuels. Specifically, the permit modification includes four elements as follows:

1) Construction of a new intermodal rail yard to allow transloading of petroleum liquids and volatile organic liquids,
2) Addition of marine loading of petroleum liquids and volatile organic liquids including ethanol, crude, heated products and gasoline at the existing marine docks at both the Newburgh and North Terminals,
3) Conversion of Tank 27 (South) and Tank 29 (Newburgh), which currently store distillates, to volatile petroleum product storage, and
4) Installation of boilers to heat products contained in rail cars and storage tanks, as necessary.

Below is a review of relevant federal regulations and their potential applicability to the project.

New Source Performance Standards (NSPS):

NSPS regulations apply to new and modified sources. NSPS defines a modification as "any physical change in, or change in the method of operation of, an existing facility which increases the amount of any air pollutant (to which a standard applies) emitted into the atmosphere by that facility or which results in the emission of any air pollutant (to which a standard applies) into the atmosphere not previously emitted."

This project results in a modification to Tanks 27 and 29 as well as the existing marine loading docks, since physical changes and changes in the method of operation are being proposed. The boilers are new sources and therefore NSPS applies to them as well.

The proposed addition of storage of new products which may contain air pollutants not previously emitted does not constitute a modification under NSPS, as determined by the EPA, in such that a petroleum storage

tank is inherently designed to store virtually any petroleum liquid and thus a change of service does not constitute a modification, unless completed in conjunction with the installation of an internal floating roof.

Subparts of NSPS that may be applicable are further evaluated below. All other sections are not applicable.

NSPS Subpart Dc

NSPS Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units) applies to steam generating units for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity between 10 MMBtu/hr and 100 MMBtu/hr. The larger boilers (20 MMbtu/hr) proposed for the New Windsor project are subject to the requirements of NSPS Subpart Dc.

NSPS Subpart Kb

NSPS Subpart Kb (Standards of Performance for Storage Vessels for Volatile Organic Liquids) applies to each storage vessel for petroleum liquids which has a storage capacity greater than 75 cubic meters (19,812.75 gallons) and for which construction, reconstruction, or modification commenced after July 23, 1984.

IFRs will be installed in Tank 27 and Tank 29 which will qualify as a modification and therefore, NSPS Subpart Kb will apply to these two (2) tanks.

The proposed storage of new products in existing tanks would also constitute a modification under NSPS because air pollutants not previously emitted would now be stored and therefore emitted; however, 40 CFR 60 Subpart Kb110b(b) states that this subpart does not apply to storage vessels with a capacity greater than 40,000 gallons and a true vapor pressure of liquid less than 3.5 kPa (0.5 psia). New air pollutants are only contained in the bio-fuels (methanol) which does not meet the vapor pressure requirement. Furthermore, the EPA has issued a determination stating that a petroleum storage tank is inherently designed to store virtually any petroleum product and therefore a change of service that does not also require a design change and is not a modification.

NSPS Subpart XX

NSPS Subpart XX (Standards of Performance for Bulk Gasoline Terminals) applies to all loading racks at a bulk gasoline terminal which deliver liquid product into gasoline tank trucks. These regulations are only applicable to loading of tank trucks, and therefore not applicable to this permit modification.

National Emission Standards for Hazardous Air Pollutants (NESHAPs):

NESHAPs have been established in 40 CFR 63 to control the emissions of hazardous air pollutants (HAPs). NESHAPs establish Maximum Achievable Control Technology (MACT) standards for specific types of equipment at qualifying facilities. MACT regulations typically apply to facilities that are major sources. Under 40 CFR 63, a major source is defined as “any stationary source or group of stationary sources

located within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, 10 tons per year or more of any HAP or 25 tons per year or more of any combination of HAPs."

The three (3) Terminals being modified by this project are considered a single stationary source for the purposes of this evaluation. The combined Terminals are not a major source, as defined in 40 CFR 63.2. This is demonstrated in the table below:

EMISSION SOURCE	FACILITY PTE HAP EMISSIONS*** (tons/year)	
	Largest Individual HAP****	Total HAPs
Newburgh	2.08	5.12
North	2.12	5.15
South	0.66	2.67
TOTAL:	**4.86**	**12.94**

*** See facility PTEs for calculations

**** Largest single HAP varies between sites; however this calculation conservatively uses the largest from each site.

NESHAP Subpart R

NESHAP Subpart R (Standards for Gasoline Distribution Facilities) applies to bulk gasoline terminals that are classified as major sources. The combined Terminals are not a major source, as shown above; therefore Subpart R does not apply.

NESHAP Subpart Y

NESHAP Subpart Y (NESHAP for Marine tank Vessel Loading Operations) applies to new and existing sources at affected marine loading operations.

Existing sources with emissions less than 10 and 25 tons are not subject to the emission standards in Subpart Y. These emission standards are the MACT standards that are applicable to marine loading. However, the recording keeping requirements of Subpart Y (63.567(j)(4)) do apply to existing sources with emissions less than 10 and 25 tons. This requires the facility to retain records of the emissions estimates determined in 63.565(l) and records of their actual throughputs for 5 years. The facility will be required to calculate an annual estimate of HAPs from marine loading activities based on test data or measurement or estimating techniques generally accepted in industry practice.

Existing sources with actual throughput less than 10 M barrels (420 MMgal) of gasoline and 200 M barrels (8,400 MMgal) of crude are also not subject to the RACT standards of Subpart Y. If these throughputs are exceeded, the facility would become subject to the RACT requirements of Subpart Y. The proposed throughput cap for crude is below this threshold, therefore it will not trigger Subpart Y. If the entire proposed throughput cap for crude was converted to gasoline using the operational flexibility condition, the gasoline throughput would be exceeded triggering Subpart Y. While it is not expected that this scenario will occur,

the facility would have three (3) years following the exceedance of the threshold levels to come into compliance with Subpart Y, per 63.560 (e)(2)(iv).

40 CFR 63.560(d) states that Subpart Y does not apply to the loading of products with a vapor pressure less than 1.5 psia at 20 degrees C (68 degrees F). Ethanol's vapor pressure according to the EPA's Tanks 4.09d program when modeled as ethyl alcohol denatured with RVP 15 gasoline is 1.13 psia at 68 degrees F. Ethanol's vapor pressure according to the EPA's Tanks 4.09d program when modeled as denatured ethanol with an unspecified denaturant is 0.89 psia at 68 degrees F. Therefore, Subpart Y does not apply to marine loading of ethanol based on vapor pressure.

NESHAP Subpart EEEE

NESHAP Subpart EEEE (Standards for Organic Liquids Distribution (Non-Gasoline)) applies to organic liquid distribution operations at major sources of HAP emissions. The combined Terminals are not a major source of HAPs; therefore NESHAP Subpart EEEE does not apply.

NESHAP Subpart BBBBBB

NESHAP Subpart BBBBBB (Standards for Source Category: Gasoline Distribution Bulk Terminals) is applicable for gasoline distribution bulk terminals, bulk plants, and pipeline facilities. The affected source as defined by Subpart BBBBBB is each area source bulk gasoline terminal that is not subject to NESHAP Subpart R or NESHAP Subpart CC. NESHAP Subpart CC applies only to petroleum refining process units.

All three (3) Terminals are already subject to NESHAP Subpart BBBBBB and applicability will not be affected by this project.

NESHAP Subpart CCCCCC

NESHAP Subpart CCCCCC only applies to gasoline dispensing facilities (GDFs). GDFs are defined as "any stationary facility which dispenses gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine, including a nonroad vehicle or nonroad engine used solely for competition. These facilities include, but are not limited to, facilities that dispense gasoline into on- and off-road, street, or highway motor vehicles, lawn equipment, boats, test engines, landscaping equipment, generators, pumps, and other gasoline-fueled engines and equipment." The Terminals are not GDFs and therefore are not subject to Subpart CCCCCC.

Attachment F

New York State Department of Environmental Conservation
Air Permit Application

DEC ID
3 - 3 3 4 8 - 0 0 1 1 1

Section I - Certification

Title V Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information [required pursuant to 6 NYCRR 201-6.3(d)] I believe the information is, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Responsible Official	Tom Keefe	**Title**	Director of EHS Operations
Signature		Date	8 / 05 / 2013

State Facility Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	NA	Title	NA
Signature	NA	Date	/ /

Section II - Identification Information

Title V Facility Permit
- ☐ New
- ☐ Renewal
- ✠ Significant Modification
- ☐ Minor Modification
- ☐ Administrative Amendment
- General Permit Title:

State Facility Permit
- ☐ New
- ☐ Modification
- General Permit Title:

☐ Application involves construction of new facility ✠ Application involves construction of new emission unit(s)

Owner/Firm

Name: Global Companies LLC – Newburgh Terminal

Street Address: 1281 River Road

City	State	Country	Zip
New Windsor	NY	USA	12553

Owner Classification ☐ Federal ✠ Corporation/Partnership ☐ State ☐ Individual ☐ Municipal

Taxpayer ID

Facility ☐ Confidential

Name	Global Companies LLC – Newburgh Terminal
Location Address	1820 River Road
✠ City / ☐ Town / ☐ Village	New Windsor
Zip	12553

Project Description ☐ Continuation Sheet(s)

Application to add marine loading of petroleum liquids and reallocate storage capacity at the facility.

Owner/Firm Contact Mailing Address

Name (Last, First, Middle Initial)	Tom Keefe	Phone No.	781-398-4132
Affiliation	Global Companies LLC	Title	Director of EHS Operations
Fax No.			
Street Address	800 South Street, Suite 200		
City	Waltham	State	MA
Country	USA	Zip	02454

Facility Contact Mailing Address

Name (Last, First, Middle Initial)	Bob McDermott	Phone No.	845.565.0463
Affiliation	Global Companies LLC	Title	Terminal Operator
Fax No.			
Street Address	1802 River Road		
City	New Windsor	State	NY
Country	USA	Zip	12553

New York State Department of Environmental Conservation
Air Permit Application

DEC ID											
3	-	3	3	4	8	-	0	0	1	1	1

Section III - Facility Information

Classification					
q Hospital	q Residential	q Educational/Institutional	q Commercial	X Industrial	q Utility

Affected States (Title V Only)				
q Vermont	X Massachusetts	q Rhode Island	X Pennsylvania	Tribal Land:
q New Hampshire	X Connecticut	X New Jersey	q Ohio	Tribal Land:

SIC Codes												
5171												

Facility Description

q Continuation Sheet(s)

A petroleum loading terminal consisting of storage tanks containing volatile petroleum products, heated petroleum products, additives, and distillates. Products are loaded at one (1) truck loading rack and one (1) marine loading dock at this site location. Volatile organic liquid loading is controlled by a vapor combustion unit (VCU) at the truck loading rack. Marine loading of volatile organic liquids is controlled by a second VCU at the marine loading dock. Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

Compliance Statements (Title V Only)

I certify that as of the date of this application the facility is in compliance with all applicable requirements: X YES q NO

If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at this facility that are operating in compliance with all applicable requirements complete the following:

- X This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV of this application.
- X For all emission units, subject to any applicable requirements that will become effective during the term of the permit, this facility will meet all such requirements on a timely basis.
- X Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each requirement, and the method used to determine the status.

Facility Applicable Federal Requirements

q Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	No Change	To	Existing	Permit	Conditions				

Facility State Only Requirements

q Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	No Change	To	Existing	Permit	Conditions				

New York State Department of Environmental Conservation
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Section III - Facility Information

Facility Applicable Federal Requirements (continuation)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

New York State Department of Environmental Conservation
Air Permit Application

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Section III - Facility Information (continued)

Facility Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

q Applicable Federal Requirement q State Only Requirement	q Capping	CAS No.	Contaminant Name
		- -	

Monitoring Information

q Ambient Air Monitoring q Work Practice Involving Specific Operations q Record Keeping/Maintenance Procedures

Description

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

Facility Emissions Summary q Continuation Sheet(s)

CAS No.	Contaminant Name	PTE (lbs/yr)	PTE Range Code	Actual (lbs/yr)
NY075-00-5	PM-10			
NY075-00-0	PARTICULATES			
7446-09-5	SULFUR DIOXIDE			
NY210-00-0	OXIDES OF NITROGEN			
630-08-0	CARBON MONOXIDE			
NY998-00-0	VOC	266,558		
7439-92-1	LEAD			
NY100-00-0	HAP (individual)	19,800		
NY100-00-0	HAP (aggregate)	49,800		

Section III - Facility Information

Determination of Non-Applicability (Title V Only)

q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

Determination of Non-Applicability (Title V Only)

q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

New York State Department of Environmental Conservation
Air Permit Application

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Section IV - Emission Unit Information

Emission Unit Description q Continuation Sheet(s)

EMISSION UNT	1	-	T	A	N	K	S

Six (6) storage tanks of different volumes contain gasoline, petroleum liquid or volatile organic liquids (including ethanol). All are fixed roof tanks with internal floating roofs.

Building q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point x Continuation Sheet(s)

EMISSION PT.	0 0 0 1 2						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
0	40		840				
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
		582.632	4593.224				

EMISSION PT.	0 0 0 1 3						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
0	30		720				
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
		582.632	4593.224				

Emission Source/Control x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK012	I		1922				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
1,034,418	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK013	I		1922				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
594,384	15	gallons				

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3	-	3	3	4	8	-	0	0	1	1	1

Section IV - Emission Unit Information

Emission Point

x Continuation Sheet(s)

EMISSION PT.	0 0 0 1 7					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
~50	33		480			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

EMISSION PT.	0 0 0 2 7					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
~50	50		1020			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

EMISSION PT.	0 0 0 2 8					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	36		1200			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

EMISSION PT.	0 0 0 2 9					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	48		1680			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

EMISSION PT.	0 0 0 3 0					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	48		1440			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

EMISSION PT.						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

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3	-	3	3	4	8	-	0	0	1	1	1

Section IV - Emission Unit Information

Emission Source/Control

x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK017	I		1929				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
292,320	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK027	I		1942				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
2,054,808	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK028	I		2006				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
2,025,744	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK029	I		2005				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
5,527,378	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK030	I		1954				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
3,424,050	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK12C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK13C	K				K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK17C	K				K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
Tk27C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

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Section IV - Emission Unit Information

Emission Source/Control

x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK28C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK29C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK30C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Section IV - Emission Unit Information (continued)

Process Information x Continuation Sheet(s)

EMISSION UNIT	1 - TANKS	PROCESS	GAS

Description

Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TK012, TK013, TK017, TK027, TK028 and TK030.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-04-001-60				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

TK012	TK013	TK017	TK027	TK028	TK030		
TK12C	TK13C	TK17C	TK27C	TK28C	TK30C		

EMISSION UNIT	1 - TANKS	PROCESS	VOL

Description

Storage of petroleum liquid or volatile organic liquids including crude and ethanol within seven tanks including TK012, TK013, TK017, TK027, TK028, TK029 and TK030.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-03-010-99				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

TK012	TK013	TK017	TK027	TK028	TK029	TK030	
TK12C	TK13C	TK17C	TK27C	TK28C	TK29C	TK30C	

Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1 - TANKS	00029	VOL	TK029	40	CFR	60	Kb	113b	(a)				
1 - TANKS	00029	VOL	TK029	40	CFR	60	Kb	115b	(a)				
1 - TANKS	00029	VOL	TK029	40	CFR	60	Kb	116b					

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Section IV - Emission Unit Information

Emission Unit Compliance Certification x Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Kb	113b	(a)				

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - TANKS	00029	VOL	TK029		

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

Visually inspect the internal floating roof and seals in accordance with 40 CFR 60.113b(a).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Kb	115b	(a)				

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - TANKS	00029	VOL	TK029		

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

Provide the Department with a report that describes the control equipment and certifies that it meets the specifications. Keep a record of each inspection performed & required reporting as required by 40CFR60.115b(a).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Kb	116b					

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - TANKS	00029	VOL	TK029		

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

The facility shall maintain applicable records as required by 40CFR60.116b(a).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

DEC ID											
3	-	3	3	4	8	-	0	0	1	1	1

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements (continuation)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

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3	-	3	3	4	8	-	0	0	1	1	1

Section IV - Emission Unit Information

Emission Unit Description q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	2

Marine loading dock controlled by a vapor combustion unit when loading volatile products. The loading of and distillate and heated petroleum products is uncontrolled.

Building q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point q Continuation Sheet(s)

EMISSION PT.	0	0	0	0	2						
Ground Elev. (ft)	Height (ft)					Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
									Length (in)	Width (in)	
0	13						12				
Exit Velocity (FPS)	Exit Flow (ACFM)					NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
						582.632	4593.224				
EMISSION PT.											
Ground Elev. (ft)	Height (ft)					Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
									Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)					NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	

Emission Source/Control q Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.	
MVCU1	K				302	VCU	John Zink / ZCM-3-8-45-2/8-2/8	
Design Capacity	Design Capacity Units Code	Design Capacity Units Description			Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
4,000		bbl/h						

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.	
MVCU2	K				302	VCU	John Zink / ZCM-3-10-60-3-4/8-4/8	
Design Capacity	Design Capacity Units Code	Design Capacity Units Description			Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
15,000		bbl/h						

Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	C

Description

Crude loading emissions. Controlled by VCU.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98	15,000 bbls	1,350 MMgals		

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2	MVCU1	MVCU2					

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	E

Description

Ethanol loading emissions. Controlled by VCU.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98	4,000 bbls	21 MMgals		

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2	MVCU1	MVCU2					

Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	D

Description

Distillate / Heated petroleum product loading emissions.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2							

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	G

Description

Gasoline loading emissions. Controlled by VCU.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2	MVCU1	MVCU2					

DEC ID
3 - 3 3 4 8 - 0 0 1 1 1

Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1 - RACK2				40	CFR	63	Y	567	(j)	(4)			

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Emission Unit Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	63	Y	567	(j)	(4)			

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

Owners or operators of marine tank vessel loading operations specified in § 63.560(a)(3) shall retain records of the emissions estimates determined in § 65.565(l) and records of their actual throughputs by commodity, for 5 years.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

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Section IV - Emission Unit Information

Emission Unit Description q Continuation Sheet(s)

EMISSION UNIT	1	-	B	O	L	R	1

Natural gas fired boiler for rail car and storage tank heating.

Building q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point q Continuation Sheet(s)

EMISSION PT.	0 0 0 0 3					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			
EMISSION PT.	0 0 0 0 4					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

Emission Source/Control q Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.	
BOLR1	C							
Design Capacity	Design Capacity Units Code	Design Capacity Units Description			Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
20	25	MILLION BTU / HR						

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.	
MVCU2	K							
Design Capacity	Design Capacity Units Code	Design Capacity Units Description			Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
20	25	MILLION BTU / HR						

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Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1 - B O L R 1	PROCESS	N L G

Description

Natural-Gas Fired Boiler for rail car and storage tank heating.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
1-02-006-02				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

BOLR1	BOLR2						

EMISSION UNIT		PROCESS	

Description

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Source/Control Identifier(s)

DEC ID
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Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1 - BOLR1		NLG		40	CFR	60	Dc	48c	(g)				

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Emission Unit Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Dc	48c	(g)				

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - BOLR1		NLG			

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring

q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

The owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted and/or delivered to the facility during each calendar month. Separate fuel usage records must be kept for each boiler.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

DEC ID											
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Supporting Documentation

X P.E. Certification
q List of Exempt Activities (form attached) –
X Plot Plan
q Methods Used to Determine Compliance
X Calculations -
q Air Quality Model (_____ / _____ / _____)
q Confidentiality Justification
q Ambient Air Monitoring Plan (_____ / _____ / _____)
q Stack Test Protocols/Reports (_____ / _____ / _____)
q Continuous Emissions Monitoring Plans/QA/QC (_____ / _____ / _____)
q MACT Demonstration (_____ / _____ / _____)
q Operational Flexibility: Description of Alternative Operating Scenarios and Protocols (See Section III)
q Title IV: Application/Registration
q ERC Quantification (form attached)
q Use of ERC(s) (form attached)
q Baseline Period Demonstration
q Analysis of Contemporaneous Emission Increase/Decrease
q LAER Demonstration (_____ / _____ / _____)
q BACT Demonstration (_____ / _____ / _____)
X Other Document(s): TANKS 4.09d Reports (/ /)
Updated Emission Unit Matrix (/ /)
(/ /)
(/ /)
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P.E Certification

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. This is defined as the performance of a professional service such as consultation, investigation, evaluation, planning, design or supervision of construction or operation in connection with any utilities, structures, buildings, machines, equipment, processes, works, or projects wherein the safeguarding of life, health and property is concerned, when such service or work requires the application of engineering principals and data. Based on my inquiry of those individuals with primary responsibility for obtaining such information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name of P.E. Nicole Brower, PE

Signature of P.E.

Date 08 / 09 / 13

NYS License No. 091076

Phone 518-453-2203 x 123

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Section I - Certification

Title V Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information [required pursuant to 6 NYCRR 201-6.3(d)] I believe the information is, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Responsible Official	Tom Keefe	**Title**	Director of EHS Operations
Signature		Date	8 / 05 / 2013

State Facility Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	NA	Title	NA
Signature	NA	Date	/ /

Section II - Identification Information

Title V Facility Permit
- ☐ New
- ☒ Significant Modification
- ☐ Administrative Amendment
- ☐ Renewal
- ☐ Minor Modification
- General Permit Title:

State Facility Permit
- ☐ New
- ☐ Modification
- General Permit Title:

☐ Application involves construction of new facility ☒ Application involves construction of new emission unit(s)

Owner/Firm

Name: Global Companies LLC – North Terminal

Street Address: 1254 River Road

City	State	Country	Zip
New Windsor	NY	USA	12553

Owner Classification: ☐ Federal ☒ Corporation/Partnership ☐ State ☐ Individual ☐ Municipal

Taxpayer ID

Facility ☐ Confidential

Name: Global Companies LLC – North Terminal

Location Address: 1254 River Road

☒ City / ☐ Town / ☐ Village: New Windsor Zip: 12553

Project Description ☐ Continuation Sheet(s)

Application to add marine loading of petroleum liquids and reallocate storage capacity at the facility.

Owner/Firm Contact Mailing Address

Name (Last, First, Middle Initial)	Tom Keefe	Phone No.	781-398-4132
Affiliation	Global Companies LLC	Title	Director of EHS Operations
Fax No.			
Street Address	800 South Street, Suite 200		
City	Waltham	State	MA
Country	USA	Zip	02454

Facility Contact Mailing Address

Name (Last, First, Middle Initial)	Ty Kropp	Phone No.	845.561.4100
Affiliation	Global Companies LLC	Title	Terminal Operator
Fax No.			
Street Address	1254 River Road		
City	New Windsor	State	NY
Country	USA	Zip	12553

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Section III - Facility Information

Classification					
q Hospital	q Residential	q Educational/Institutional	q Commercial	X Industrial	q Utility

Affected States (Title V Only)				
q Vermont	X Massachusetts	q Rhode Island	X Pennsylvania	Tribal Land:
q New Hampshire	X Connecticut	X New Jersey	q Ohio	Tribal Land:

SIC Codes												
5171												

Facility Description

q Continuation Sheet(s)

A petroleum loading terminal consisting of storage tanks containing volatile petroleum products, heated petroleum products, additives, and distillates. Products are loaded at one (1) truck loading rack and one (1) marine loading dock at this site location. Volatile organic liquid loading is controlled by a vapor combustion unit (VCU) at the truck loading rack. Marine loading of volatile organic liquids is controlled by a second VCU at the marine loading dock. Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

Compliance Statements (Title V Only)

I certify that as of the date of this application the facility is in compliance with all applicable requirements: X YES q NO

If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at this facility that are operating in compliance with all applicable requirements complete the following:

- X This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV of this application.
- X For all emission units, subject to any applicable requirements that will become effective during the term of the permit, this facility will meet all such requirements on a timely basis.
- X Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each requirement, and the method used to determine the status.

Facility Applicable Federal Requirements

q Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	No Change	To	Existing	Permit	Conditions				

Facility State Only Requirements

q Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	No Change	To	Existing	Permit	Conditions				

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Section III - Facility Information

Facility Applicable Federal Requirements (continuation)									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

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Section III - Facility Information (continued)

Facility Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

q Applicable Federal Requirement q State Only Requirement	q Capping	CAS No.	Contaminant Name
		- -	

Monitoring Information

q Ambient Air Monitoring q Work Practice Involving Specific Operations q Record Keeping/Maintenance Procedures

Description

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

Facility Emissions Summary q Continuation Sheet(s)

CAS No.	Contaminant Name	PTE (lbs/yr)	PTE Range Code	Actual (lbs/yr)
NY075-00-5	PM-10			
NY075-00-0	PARTICULATES			
7446-09-5	SULFUR DIOXIDE			
NY210-00-0	OXIDES OF NITROGEN			
630-08-0	CARBON MONOXIDE			
NY998-00-0	VOC	307,840		
7439-92-1	LEAD			
NY100-00-0	HAP (individual)	19,800		
NY100-00-0	HAP (aggregate)	49,800		

Section III - Facility Information

Determination of Non-Applicability (Title V Only)

q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

Determination of Non-Applicability (Title V Only)

q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

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Section IV - Emission Unit Information

Emission Unit Description q Continuation Sheet(s)

EMISSION UNIT	1	-	0	0	0	0	1

Six (6) storage tanks of different volumes contain gasoline, petroleum liquid or volatile organic liquids (including ethanol). All are fixed roof tanks with internal floating roofs.

Building q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point x Continuation Sheet(s)

EMISSION PT.	0 0 T 0 1					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
0	30		936			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

EMISSION PT.	0 0 T 0 2					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
0	30		936			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

Emission Source/Control x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TNK01	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
1,074,990	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TNK02	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
1,081,710	15	gallons				

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Section IV - Emission Unit Information

Emission Point x Continuation Sheet(s)

EMISSION PT.	0 0 T 0 3					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	32		936			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

EMISSION PT.	0 0 T 0 4					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	30		420			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

EMISSION PT.	0 0 T 0 5					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	48		1440			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

EMISSION PT.	0 0 T 1 0					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	48		720			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

EMISSION PT.						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

EMISSION PT.						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

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DEC ID											
3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information

Emission Source/Control

x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TNK03	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
1,061,110	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TNK04	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
220,710	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TNK05	I		1976				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
4,051,950	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TNK10	I		2005				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
1,014,300	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK01C	K				K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK02C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK03C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK04C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK05C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

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3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information

Emission Source/Control

x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK10C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

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3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information (continued)

Process Information x Continuation Sheet(s)

EMISSION UNIT	1	-	0	0	0	0	1		PROCESS	T	N	K

Description

Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TNK01, TNK02, TNK03, TNK04, TNK05, and TNK10.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-04-001-60				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

TNK01	TNK02	TNK03	TNK04	TNK05	TNK10		
TK01C	TK02C	TK03C	TK04C	TK05C	TK10C		

EMISSION UNIT									PROCESS			

Description

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Source/Control Identifier(s)

Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Section IV - Emission Unit Information

Emission Unit Compliance Certification x Continuation Sheet(s)

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

q Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
q Record Keeping/Maintenance Procedures

Description

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

q Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
q Record Keeping/Maintenance Procedures

Description

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

q Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
q Record Keeping/Maintenance Procedures

Description

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

DEC ID
3 - 3 3 4 8 - 0 0 0 8 7

Section IV - Emission Unit Information

				Emission Unit Applicable Federal Requirements (continuation)									
Emission Unit	Emission Point	Process	Emission Source	Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

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Section IV - Emission Unit Information

Emission Unit Description

q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	2

Marine loading dock controlled by a vapor combustion unit when loading volatile products. The loading of distillate and heated petroleum products is uncontrolled.

Building

q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point

q Continuation Sheet(s)

EMISSION PT.	0	0	0	0	2

Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
0	13		12			

Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.666	4593.101			

EMISSION PT.					

Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)

Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Source/Control

q Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
MVCU1	K				302	VCU	John Zink / ZCM-3-8-45-2/8-2/8

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
4,000		bbl/h				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
MVCU2	K				302	VCU	John Zink / ZCM-3-10-60-3-4/8-4/8

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
15,000		bbl/h				

DEC ID											
3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	C

Description

Crude loading emissions. Controlled by VCU.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98	15,000 bbls	1,350 MMgals		

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2	MVCU1	MVCU2					

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	E

Description

Ethanol loading emissions. Controlled by VCU.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98	4,000 bbls	21 MMgals		

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2	MVCU1	MVCU2					

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Air Permit Application

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3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	G

Description

Gasoline loading emissions. Controlled by VCU.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2	MVCU1	MVCU2					

EMISSION UNIT	1	-	R	A	C	K	2		PROCESS	R	2	D

Description

Distillate / Heated petroleum product loading emissions.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-06-002-98				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK2							

DEC ID											
3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	R	A	C	K	1		PROCESS	R	1	P

Description

Emissions from truck loading of gasoline, petroleum liquid or volatile organic liquid.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-04-002-50				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

RACK1							
00VCU							

EMISSION UNIT									PROCESS			

Description

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Source/Control Identifier(s)

DEC ID
3 - 3 3 4 8 - 0 0 0 8 7

Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1 - RACK2				40	CFR	63	Y	567	(j)	(4)			

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Emission Unit Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	63	Y	567	(j)	(4)			

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

Owners or operators of marine tank vessel loading operations specified in § 63.560(a)(3) shall retain records of the emissions estimates determined in § 65.565(l) and records of their actual throughputs by commodity, for 5 years.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

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3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information

Emission Unit Description q Continuation Sheet(s)

EMISSION UNIT	1	-	B	O	L	R	1

Natural gas fired boiler for rail car and storage tank heating.

Building q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point q Continuation Sheet(s)

EMISSION PT.	0 0 0 0 3					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

EMISSION PT.	0 0 0 0 4					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.632	4593.224			

Emission Source/Control q Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
BOLR1	C						

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
20	25	MILLION BTU / HR				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
MVCU2	K						

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
20	25	MILLION BTU / HR				

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Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	B	O	L	R	1		PROCESS	N	L	G

Description

Natural-Gas Fired Boiler for rail car and storage tank heating.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
1-02-006-02				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

BOLR1	BOLR2						

EMISSION UNIT									PROCESS			

Description

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Source/Control Identifier(s)

DEC ID											
3	-	3	3	4	8	-	0	0	0	8	7

Section IV - Emission Unit Information (continued)

Emission Unit			Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
						Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1	-	BOLR1		NLG		40	CFR	60	Dc	48c	(g)				

Emission Unit			Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
						Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Emission Unit Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Dc	48c	(g)				

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit			Emission Point	Process	Emission Source	CAS No.					Contaminant Name
1	-	BOLR1		NLG						1	-

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring

q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

The owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted and/or delivered to the facility during each calendar month. Separate fuel usage records must be kept for each boiler.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

DEC ID											
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Supporting Documentation

X P.E. Certification
q List of Exempt Activities (form attached) –
X Plot Plan
q Methods Used to Determine Compliance
X Calculations -
q Air Quality Model (_____ / _____ / _____)
q Confidentiality Justification
q Ambient Air Monitoring Plan (_____ / _____ / _____)
q Stack Test Protocols/Reports (_____ / _____ / _____)
q Continuous Emissions Monitoring Plans/QA/QC (_____ / _____ / _____)
q MACT Demonstration (_____ / _____ / _____)
q Operational Flexibility: Description of Alternative Operating Scenarios and Protocols (See Section III)
q Title IV: Application/Registration
q ERC Quantification (form attached)
q Use of ERC(s) (form attached)
q Baseline Period Demonstration
q Analysis of Contemporaneous Emission Increase/Decrease
q LAER Demonstration (_____ / _____ / _____)
q BACT Demonstration (_____ / _____ / _____)
X Other Document(s): TANKS 4.09d Reports (/ /)
Updated Emission Unit Matrix (/ /)
(/ /)
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P.E. Certification

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. This is defined as the performance of a professional service such as consultation, investigation, evaluation, planning, design or supervision of construction or operation in connection with any utilities, structures, buildings, machines, equipment, processes, works, or projects wherein the safeguarding of life, health and property is concerned, when such service or work requires the application of engineering principals and data. Based on my inquiry of those individuals with primary responsibility for obtaining such information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name of P.E. Nicole Brower, PE

Signature of P.E.

Date 08 / 09 / 13

NYS License No. 091076

Phone 518-453-2203 x 123

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Section I - Certification

Title V Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information [required pursuant to 6 NYCRR 201-6.3(d)] I believe the information is, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Responsible Official	Tom Keefe	Title	Director of EHS Operations
Signature		Date	8 / 05 / 2013

State Facility Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	NA	Title	NA
Signature	NA	Date	/ /

Section II - Identification Information

Title V Facility Permit
- ☐ New
- ☐ Renewal
- ✠ Significant Modification
- ☐ Minor Modification
- ☐ Administrative Amendment

General Permit Title:

State Facility Permit
- ☐ New
- ☐ Modification

General Permit Title:

☐ Application involves construction of new facility

✠ Application involves construction of new emission unit(s)

Owner/Firm

Name: Global Companies LLC – South Terminal

Street Address: 1184 River Road

City	State	Country	Zip
New Windsor	NY	USA	12553

Owner Classification: ☐ Federal ✠ Corporation/Partnership ☐ State ☐ Individual ☐ Municipal

Taxpayer ID

Facility ☐ Confidential

Name: Global Companies LLC – South Terminal

Location Address: 1184 River Road

✠ City / ☐ Town / ☐ Village: New Windsor Zip: 12553

Project Description ☐ Continuation Sheet(s)

Application to add marine loading of petroleum liquids and reallocate storage capacity at the facility.

Owner/Firm Contact Mailing Address

Name (Last, First, Middle Initial)	Tom Keefe	Phone No.	781-398-4132
Affiliation	Global Companies LLC	Title	Director of EHS Operations
Fax No.			
Street Address	800 South Street, Suite 200		
City	Waltham	State	MA
Country	USA	Zip	02454

Facility Contact Mailing Address

Name (Last, First, Middle Initial)	Ty Kropp	Phone No.	845.561.4100
Affiliation	Global Companies LLC	Title	Terminal Operator
Fax No.			
Street Address	1184 River Road		
City	New Windsor	State	NY
Country	USA	Zip	12553

New York State Department of Environmental Conservation
Air Permit Application

DEC ID											
3	-	3	3	4	8	-	0	0	1	9	7

Section III - Facility Information

Classification					
q Hospital	q Residential	q Educational/Institutional	q Commercial	X Industrial	q Utility

Affected States (Title V Only)				
q Vermont	X Massachusetts	q Rhode Island	X Pennsylvania	Tribal Land:
q New Hampshire	X Connecticut	X New Jersey	q Ohio	Tribal Land:

SIC Codes												
5171												

Facility Description

q Continuation Sheet(s)

A petroleum loading terminal consisting of storage tanks containing volatile petroleum products, heated petroleum products, additives, and distillates. Products are loaded at one (1) truck loading rack. Volatile organic liquid is controlled by a vapor recovery unit (VRU) at the truck loading rack at this site location. Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

Compliance Statements (Title V Only)

I certify that as of the date of this application the facility is in compliance with all applicable requirements: X YES q NO

If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at this facility that are operating in compliance with all applicable requirements complete the following:

- X This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV of this application.
- X For all emission units, subject to any applicable requirements that will become effective during the term of the permit, this facility will meet all such requirements on a timely basis.
- X Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each requirement, and the method used to determine the status.

Facility Applicable Federal Requirements

q Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	No Change	To	Existing	Permit	Conditions				

Facility State Only Requirements

q Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	No Change	To	Existing	Permit	Conditions				

Section III - Facility Information

Facility Applicable Federal Requirements (continuation)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

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Section III - Facility Information (continued)

Facility Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

q Applicable Federal Requirement q State Only Requirement	q Capping	CAS No.	Contaminant Name
		- -	

Monitoring Information

q Ambient Air Monitoring q Work Practice Involving Specific Operations q Record Keeping/Maintenance Procedures

Description

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

Facility Emissions Summary q Continuation Sheet(s)

CAS No.	Contaminant Name	PTE (lbs/yr)	PTE Range Code	Actual (lbs/yr)
NY075-00-5	PM-10			
NY075-00-0	PARTICULATES			
7446-09-5	SULFUR DIOXIDE			
NY210-00-0	OXIDES OF NITROGEN			
630-08-0	CARBON MONOXIDE			
NY998-00-0	VOC	204,016		
7439-92-1	LEAD			
NY100-00-0	HAP (individual)	19,800		
NY100-00-0	HAP (aggregate)	49,800		

Section III - Facility Information

Determination of Non-Applicability (Title V Only)

q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

Determination of Non-Applicability (Title V Only)

q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Emission Unit	Emission Point	Process	Emission Source	
				q Applicable Federal Requirement q State Only Requirement

Description

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Section IV - Emission Unit Information

Emission Unit Description q Continuation Sheet(s)

EMISSION UNT	1	-	T	A	N	K	S

Six (6) storage tanks of different volumes capable of storing gasoline, petroleum liquid or volatile organic liquids (including ethanol).

Building q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point x Continuation Sheet(s)

EMISSION PT.	0	0	0	2	1

Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
0	40		720			
Exit Velocity (FPS)	**Exit Flow (ACFM)**	**NYTM (E) (KM)**	**NYTM (N) (KM)**	**Building**	**Distance to Property Line (ft)**	**Date of Removal**
		582.7	4595.2			

EMISSION PT.	0	0	0	2	2

Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
0	41		420			
Exit Velocity (FPS)	**Exit Flow (ACFM)**	**NYTM (E) (KM)**	**NYTM (N) (KM)**	**Building**	**Distance to Property Line (ft)**	**Date of Removal**
		582.7	4595.2			

Emission Source/Control x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK021	I		1979				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
851,340	15	gallons				

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK022	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
298,620	15	gallons				

New York State Department of Environmental Conservation
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3	-	3	3	4	8	-	0	0	1	9	7

Section IV - Emission Unit Information

Emission Point

x Continuation Sheet(s)

EMISSION PT.	0 0 0 2 3					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	42		420			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.7	4595.2			

EMISSION PT.	0 0 0 2 5					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	48		402			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.7	4595.2			

EMISSION PT.	0 0 0 2 6					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	45		1080			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.7	4595.2			

EMISSION PT.	0 0 0 2 7					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	45		1080			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.7	4595.2			

EMISSION PT.	0 0 0 3 0					
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	40		720			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		582.7	4595.2			

EMISSION PT.						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

New York State Department of Environmental Conservation
Air Permit Application

DEC ID											
3	-	3	3	4	8	-	0	0	1	9	7

Section IV - Emission Unit Information

Emission Source/Control

x Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK023	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
298,620	15	gallons				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK025	I		1936				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
307,230	15	gallons				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK026	I		1976				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
2,153,760	15	gallons				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK027	I		2005				

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
3,132,424	15	gallons				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK030	I						

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
799,050	15	gallons				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK21C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK22C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK23C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK25C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

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DEC ID											
3	-	3	3	4	8	-	0	0	1	9	7

Section IV - Emission Unit Information

Emission Source/Control

x Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK26C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK27C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
TK30C					K	Internal Floating Roof	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID											
3	-	3	3	4	8	-	0	0	1	9	7

Section IV - Emission Unit Information (continued)

Process Information x Continuation Sheet(s)

EMISSION UNIT	1 - TANKS	PROCESS	GAS

Description

Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TK021, TK022, TK023, TK025, TK026, and TK030.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
4-04-001-60				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

TK021	TK022	TK023	TK025	TK026	TK030		
TK21C	TK22C	TK23C	TK25C	TK26C	TK30C		

EMISSION UNIT	1 - TANKS	PROCESS	VOL

Description

Storage of petroleum liquid or volatile organic liquids within seven tanks including TK021, TK022, TK023, TK025, TK026, Tk027 and TK030.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Source/Control Identifier(s)

TK021	TK022	TK023	TK025	TK026	TK027	TK030	
TK21C	TK22C	TK23C	TK25C	TK26C	TK27C	TK30C	

DEC ID
3 - 3 3 4 8 - 0 0 1 9 7

Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1 - TANKS	00027	VOL	TK027	40	CFR	60	Kb	113b	(a)				
1 - TANKS	00027	VOL	TK027	40	CFR	60	Kb	115b	(a)				
1 - TANKS	00027	VOL	TK027	40	CFR	60	Kb	116b					

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Section IV - Emission Unit Information

Emission Unit Compliance Certification x Continuation Sheet(s)

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Kb	113b	(a)				

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - TANKS	00027	VOL	TK027		

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring

q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

Visually inspect the internal floating roof and seals in accordance with 40 CFR 60.113b(a).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Kb	115b	(a)				

q Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - TANKS	00027	VOL	TK027		

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

Provide the Department with a report that describes the control equipment and certifies that it meets the specifications. Keep a record of each inspection performed & required reporting as required by 40CFR60.115b(a).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Kb	116b					

q Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
1 - TANKS	00027	VOL	TK027		

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

The facility shall maintain applicable records as required by 40CFR60.116b(a).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

Section IV - Emission Unit Information

Emission Unit Description

q Continuation Sheet(s)

EMISSION UNIT	1	-	B	O	L	R	1

Natural gas fired boiler for rail car and storage tank heating.

Building

q Continuation Sheet(s)

Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Point

q Continuation Sheet(s)

EMISSION PT.	0	0	0	0	3						
Ground Elev. (ft)	Height (ft)		Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section					
						Length (in)	Width (in)				
Exit Velocity (FPS)	Exit Flow (ACFM)		NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal				
			582.632	4593.224							

EMISSION PT.	0	0	0	0	4						
Ground Elev. (ft)	Height (ft)		Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section					
						Length (in)	Width (in)				
Exit Velocity (FPS)	Exit Flow (ACFM)		NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal				
			582.632	4593.224							

Emission Source/Control

q Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.	
BOLR1	C							
Design Capacity	Design Capacity Units Code	Design Capacity Units Description			Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
20	25	MILLION BTU / HR						

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.	
MVCU2	K							
Design Capacity	Design Capacity Units Code	Design Capacity Units Description			Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
20	25	MILLION BTU / HR						

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Section IV - Emission Unit Information

Process Information q Continuation Sheet(s)

EMISSION UNIT	1	-	B	O	L	R	1		PROCESS	N	L	G

Description

Natural-Gas Fired Boiler for rail car and storage tank heating.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
1-02-006-02				

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		
	24	365		

Emission Source/Control Identifier(s)

BOLR1	BOLR2						

EMISSION UNIT									PROCESS			

Description

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

q Confidential q Operating at Maximum Capacity q Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Source/Control Identifier(s)

DEC ID
3 - 3 3 4 8 - 0 0 1 9 7

Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1 - BOLR1		NLG		40	CFR	60	Dc	48c	(g)				

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements q Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

Emission Unit Compliance Certification q Continuation Sheet(s)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	Dc	48c	(g)				

x Applicable Federal Requirement q State Only Requirement q Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

q Continuous Emission Monitoring
q Intermittent Emission Testing
q Ambient Air Monitoring
q Monitoring of Process or Control Device Parameters as Surrogate
q Work Practice Involving Specific Operations
x Record Keeping/Maintenance Procedures

Description

The owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted and/or delivered to the facility during each calendar month. Separate fuel usage records must be kept for each boiler.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
		14		14	

Supporting Documentation

X P.E. Certification
q List of Exempt Activities (form attached) –
X Plot Plan
q Methods Used to Determine Compliance
X Calculations -
q Air Quality Model (_____ / _____ / _____)
q Confidentiality Justification
q Ambient Air Monitoring Plan (_____ / _____ / _____)
q Stack Test Protocols/Reports (_____ / _____ / _____)
q Continuous Emissions Monitoring Plans/QA/QC (_____ / _____ / _____)
q MACT Demonstration (_____ / _____ / _____)
q Operational Flexibility: Description of Alternative Operating Scenarios and Protocols (See Section III)
q Title IV: Application/Registration
q ERC Quantification (form attached)
q Use of ERC(s) (form attached)
q Baseline Period Demonstration
q Analysis of Contemporaneous Emission Increase/Decrease
q LAER Demonstration (_____ / _____ / _____)
q BACT Demonstration (_____ / _____ / _____)
X Other Document(s): TANKS 4.09d Reports (/ /)
Updated Emission Unit Matrix (/ /)
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New York State Department of Environmental Conservation
Air Permit Application

DEC ID
3 - 3 3 4 8 - 0 0 1 9 7

P.E Certification

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. This is defined as the performance of a professional service such as consultation, investigation, evaluation, planning, design or supervision of construction or operation in connection with any utilities, structures, buildings, machines, equipment, processes, works, or projects wherein the safeguarding of life, health and property is concerned, when such service or work requires the application of engineering principals and data. Based on my inquiry of those individuals with primary responsibility for obtaining such information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name of P.E. Nicole Brower, PE

Signature of P.E.

Date 08 / 09 / 13

NYS License No. 091076

Phone 518-453-2203 x 123

Attachment G

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3348-00111/00023
Effective Date: 05/19/2010 Expiration Date: 05/18/2015

Permit Issued To:GLOBAL COMPANIES LLC
800 SOUTH ST
WALTHAM, MA 02453

Contact: TOM KEEFE
GLOBAL COMPANIES LLC
800 SOUTH ST PO BOX 9161
WALTHAM, MA 02454-9161
(781) 398-4132

Facility: GLOBAL COMPANIES LLC - NEWBURGH TERMINAL
1281 RIVER RD
NEW WINDSOR, NY 12553-6733

Description:
Global Companies LLC - Newburgh Terminal operates a ~~gasoline and distillate oil~~ PETROLEUM storage and distribution terminal consisting of ~~six~~ SEVEN storage tanks of different volumes which contain gasoline, petroleum liquid or volatile organic liquids (including ethanol) as those terms are defined in 6NYCRR Part 229. All are fixed roof tanks with internal floating roofs and are subject to 6NYCRR 229. Gasoline vapors collected from the tank truck loading rack are controlled by a vapor combustion unit.

The facility is subject to numerous recordkeeping, monitoring and reporting requirements under 6NYCRR 229 - Petroleum and Volatile Organic Liquid Storage and Transfer, 40CFR60.XX - Standards of Performance for Bulk Gasoline Terminals, 40CFR64 - Continuous Assurance Monitoring and 40CFR63.BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. In support of limiting Hazardous Air Pollutant emissions below major stationary source thresholds, the permit contains a cap on ~~the annual gasoline and distillate fuel throughput~~. ANNUAL PRODUCT THROUGHPUTS.

Title V permitting applies to this facility since Volatile Organic Compound emissions exceed major stationary source thresholds defined by 6NYCRR 201. The Standard Industrial Classification representative of this facility is 5171 - Petroleum Bulk Stations and Terminals.

Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KENNETH R GRZYB
NYSDEC REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be

submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:GLOBAL COMPANIES LLC
800 SOUTH ST
WALTHAM, MA 02453

Facility: GLOBAL COMPANIES LLC - NEWBURGH TERMINAL
1281 RIVER RD
NEW WINDSOR, NY 12553-6733

Authorized Activity By Standard Industrial Classification Code:
2999 - PETROLEUM AND COAL PRODUCTS, NEC
5171 - PETROLEUM BULK STATIONS & TERMINALS

Permit Effective Date: 05/19/2010 Permit Expiration Date: 05/18/2015

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.5 (a) (7): Fees
3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.5 (e): Compliance Certification
7 6 NYCRR 202-2.1: Compliance Certification
8 6 NYCRR 202-2.5: Recordkeeping requirements
9 6 NYCRR 215.2: Open Fires - Prohibitions
10 6 NYCRR 200.7: Maintenance of Equipment
11 6 NYCRR 201-1.7: Recycling and Salvage
12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
19 6 NYCRR 202-1.1: Required Emissions Tests
20 6 NYCRR 211.3: Visible Emissions Limited
21 40 CFR Part 68: Accidental release provisions.
22 40CFR 82, Subpart F: Recycling and Emissions Reduction
23 6 NYCRR Subpart 201-6: Emission Unit Definition
24 6 NYCRR 201-6.5 (g): Non Applicable requirements
25 6 NYCRR 201-7.1: Facility Permissible Emissions
*26 6 NYCRR 201-7.1: Capping Monitoring Condition
*27 6 NYCRR 201-7.1: Capping Monitoring Condition
*28 6 NYCRR 201-7.1: Capping Monitoring Condition
29 6 NYCRR 225-1.2 (a) (2): Compliance Certification
30 6 NYCRR 225-1.2 (a) (2): Compliance Certification
31 6 NYCRR 225-3.3 (a): Compliance Certification
32 6 NYCRR 225-3.4 (a): Compliance Certification
33 6 NYCRR 225-3.4 (b): Compliance Certification
34 6 NYCRR 229.4 (a): Testing and monitoring requirements
35 6 NYCRR 229.5: Compliance Certification
36 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
37 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
38 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
39 40CFR 63.11081(a), Subpart BBBBBB: Definition of an affected source
40 40CFR 63.11083(b), Subpart BBBBBB: Compliance date for an existing source
41 40CFR 63.11086(f), Subpart BBBBBB: Compliance Certification

42 40CFR 63.11093, Subpart BBBBBB: Notifications (63.11093 a-d)

Emission Unit Level

43 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
44 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-RACK1

45 6 NYCRR 229.3 (d): Compliance Certification
46 40CFR 60.502(b), NSPS Subpart XX: Compliance Certification
47 40CFR 60.502(e), NSPS Subpart XX: Compliance Certification
48 40CFR 60.502(f), NSPS Subpart XX: Truck loading compatibility
49 40CFR 60.502(g), NSPS Subpart XX: Vapor collection connection required
50 40CFR 60.502(h), NSPS Subpart XX: Compliance Certification
51 40CFR 60.502(i), NSPS Subpart XX: Compliance Certification
52 40CFR 60.502(j), NSPS Subpart XX: Compliance Certification
53 40CFR 60.505(b), NSPS Subpart XX: Compliance Certification
54 40CFR 60.505(e)(2), NSPS Subpart XX: Compliance Certification
55 40 CFR Part 64: Compliance Certification
56 40 CFR Part 64: Compliance Certification

EU=1-RACK1,EP=00001

57 40CFR 60.502(b), NSPS Subpart XX: Compliance Certification

EU=1-TANKS,Proc=GAS

58 6 NYCRR 229.3 (a): Compliance Certification

EU=1-TANKS,Proc=VOL

59 6 NYCRR 229.3 (e) (1): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

60 ECL 19-0301: Contaminant List
61 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
62 6 NYCRR 211.2: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: **Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: **Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: **Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: **Property Rights - 6 NYCRR 201-6.5 (a) (6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: **Severability - 6 NYCRR 201-6.5 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: **Permit Shield - 6 NYCRR 201-6.5 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: **Reopening for Cause - 6 NYCRR 201-6.5 (i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is

three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: **Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York

(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: **Acceptable Ambient Air Quality**
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: **Fees**
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: **Recordkeeping and reporting of compliance monitoring**
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (2)

Item 4.1:
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum

frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2010.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (e)

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

i. Compliance certifications shall contain:
- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Reference Test Method: As Required

Monitoring Frequency: ANNUALLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:
Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke

producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(i) Prescribed burns performed according to Part 194 of this Title.
(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:
Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:
The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:
The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records

required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping,

reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Visible Emissions Limited
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 211.3

Item 20.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40 CFR Part 68

Item 21.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-MISCT
Emission Unit Description:
Bulk Storage Tank No. 26 containing water contaminated with gasoline and distillate. This storage tank is not subject to 6NYCRR 229. Emissions from this unit are at insignificant levels pursuant to 6NYCRR 201-6.3(d)(7).

Item 23.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-RACK1
Emission Unit Description:
Truck loading rack with 5 bays. One bay is used to load gasoline/ethanol only. One bay is used to load gasoline/ethanol and distillate and 3 bays used to load distillate. Gasoline vapors recovered from tank trucks are controlled by a vapor combustion unit.

Item 23.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-TANKS
Emission Unit Description:
~~Six (6)~~ SEVEN (7) storage tanks of different volumes contain gasoline, petroleum liquid or volatile organic liquids (including ethanol) as those terms are defined in 6NYCRR Part 229. All are fixed roof tanks with internal floating roofs and are subject to 6NYCRR 229. Tank identifications include:
TK012 - 1,034,418 gallons
TK013 - 594,384 gallons
TK017 - 292,320 gallons
TK027 - 2,054,808 gallons
TK028 - 2,025,744 gallons
TK030 - 3,424,050 gallons
TK029 - 5,527,378 gallons

The following tanks store distillate fuels which are not subject to 6NYCRR 229 and are not defined by this emission unit:

Tank 16
Tank 25
~~Tank 29~~

Condition 24: Non Applicable requirements
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-6.5 (g)

Item 24.1:
This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.
6 NYCRR Part 230
Emission Unit: 1RACK1
Reason: 6 NYCRR Part 230 applies to owners and operators of gasoline dispensing sites and gasoline transport vehicles. This facility does not meet the definition of a gasoline dispensing site as defined in 230.1 because it does not dispense gasoline into vehicle fuel tanks or into portable containers used to fuel a motor. Gasoline transport vehicles, as defined in 230.1 are not stationary sources defined in Part 200 so they should not be part of this permit.

Condition 25: Facility Permissible Emissions
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 25.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY100-00-0 PTE: 48,000 pounds per year
Name: HAP

Condition 26: Capping Monitoring Condition
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 26.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 26.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 26.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 26.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 26.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 26.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 26.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month gasoline throughput of 500,000,000 gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: GASOLINE
Upper Permit Limit: 500000000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Capping Monitoring Condition
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 27.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 27.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 27.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 27.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 27.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000071-43-2	BENZENE
CAS No: 000100-41-4	ETHYLBENZENE
CAS No: 000108-88-3	TOLUENE
CAS No: 000110-54-3	HEXANE
CAS No: 000540-84-1	PENTANE, 2,2,4-TRIMETHYL-
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 001634-04-4	METHYL TERTBUTYL ETHER
CAS No: 0NY100-00-0	HAP

Item 27.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Individual and total HAP emissions shall not exceed 10 and 25 tons respectively in any rolling twelve month period.

In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month gasoline throughput of 500,000,000 gallons and a rolling twelve month total distillate fuel throughput of 200,000,000 gallons. AS WELL AS A ROLLING 12 MONTH TOTAL THROUGHPUT OF 1,350 MMGALS OF CRUDE.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 28: Capping Monitoring Condition

Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 28.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 28.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 28.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 28.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 28.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month

distillate throughput of 200,000,000 gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 200000000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Reference Test Method: EPA approved
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person shall use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 225-3.3 (a)

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Global shall not sell or supply a gasoline to a retailer or wholesale purchaser-consumer, having a Reid vapor pressure greater than 9.0 pounds per square inch (psi) as sampled and tested by methods acceptable to the commissioner, during the period May 1st through September 15th of each year.

Parameter Monitored: REID VAPOR PRESSURE
Upper Permit Limit: 9.0 pounds per square inch absolute
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 225-3.4 (a)

Item 32.1:
The Compliance Certification activity will be performed for the Facility.

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Global, as the owner or operator of a gasoline distribution terminal, must maintain records which includes the following:

(1) The RVP of the gasoline.

(2) A designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

(3) Written certification that the gasoline:

(i) conforms with all RVP and oxygen content requirements of this Subpart; and

(ii) is in compliance with all applicable State and Federal regulations which apply during the time period(s) specified pursuant to paragraph (3)of this subdivision.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 225-3.4 (b)

Item 33.1:
The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Global shall provide the following records with gasoline which is distributed from the terminal:

(1) A copy of the certification required by 6NYCRR 225-3.4(a).

(2) Documentation of the maximum RVP of the gasoline if the gasoline was subject to section 225-3.3 of this Subpart.

(3) Designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

(4) Documentation of the shipment quantity and the shipment date of the gasoline being distributed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 34: Testing and monitoring requirements
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 229.4 (a)

Item 34.1:
The owner and/or operator of a vapor collection and control system must follow notification requirements, protocol requirements, and test procedures of Part 202 of this title for testing and monitoring to determine compliance with the emission limits and control requirements required of this Part.

Condition 35: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 229.5

Item 35.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-RACK1
Process: RGS

Emission Unit: 1-TANKS

Process: GAS Emission Source: TK012

Emission Unit: 1-TANKS
Process: GAS Emission Source: TK013

Emission Unit: 1-TANKS
Process: GAS Emission Source: TK017

Emission Unit: 1-TANKS
Process: GAS Emission Source: TK027

Emission Unit: 1-TANKS
Process: GAS Emission Source: TK028

Emission Unit: 1-TANKS
Process: GAS Emission Source: TK030

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

As the owner or operator of a gasoline loading terminal, petroleum liquid storage tanks, and volatile organic liquid storage tank subject to this Part must maintain the following records at the facility for a period of five years;

(a) capacities of petroleum liquid storage tanks subject to section 229.3(a) or (b) of this Part, in gallons;

(b) average daily gasoline throughput for gasoline loading terminals subject to section 229.3(d) of this Part, in gallons per year; and

(c) capacities of volatile organic liquid storage tanks, subject to section 229.3 (e) of this Part in gallons.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 36: EPA Region 2 address.
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 36.1:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Condition 37: Date of construction notification - If a COM is not used.
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.7(a), NSPS Subpart A

Item 37.1:
Any owner or operator subject to this part shall furnish the Administrator with the following information:

1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;

3) a notification of the actual date of initial start up, post marked within 15 days after such date;

4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 38: Facility files for subject sources.
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A

Item 38.1:
The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations;all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 39: Definition of an affected source
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 63.11081(a), Subpart BBBBBB

Item 39.1:
The affected source to which subpart BBBBBB applies is each area source bulk gasoline terminal, pipeline breakout station, pipeline pumping station, and bulk gasoline plant as identified below:

1) A bulk gasoline terminal that is not subject to the control requirements of 40CFR63, Subpart R or 40CFR63, Subpart CC.

2) A pipeline breakout station that is not subject to the control requirements of 40CFR63, subpart R.

3) A pipeline pumping station.

4) A bulk gasoline plant.

Condition 40: Compliance date for an existing source
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 63.11083(b), Subpart BBBBBB

Item 40.1:
An existing affected source must comply with the standards of this subpart no later than January 10, 2011.

Condition 41: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 63.11086(f), Subpart BBBBBB

Item 41.1:
The Compliance Certification activity will be performed for the Facility.

Item 41.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit a Notification of Compliance Status to the applicable EPA Regional Office and NYSDEC, as specified in §63.13, by the compliance date listed in §63.11083, unless the facility meets the requirements in §63.11086(g).

The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy and must indicate whether the source has complied with the requirements of subpart BBBBBB.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Notifications (63.11093 a-d)
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 63.11093, Subpart BBBBBB

Item 42.1:
(a) Each owner/operator of an affected source under subpart BBBBBB must submit an initial notification as specifiedin §63.9(b). If the facility is in compliance with the requirements of subpart BBBBBB at the time the initial notification is due, the notification of compliance status required under (b) of this condition may be submitted in lieu of the initial notification.

(b) Each owner/operator of an affected source under subpart BBBBBB must submit a notification of compliance status as specified in §63.9(h). The notification of compliance status must specify which of the compliance options included in table 1 of subpart BBBBBB that is used to comply with the subpart.

(c) Each owner/operator of an affected bulk gasoline terminal under subpart BBBBBB must submit a notification of performance test, as specified in §63.9(e), prior to initiating testing required by §63.11092(a) or §63.11092(b).

(d) Each owner/operator of any affected source under subpart BBBBBB must submit additional notifications specified in §63.9, as applicable.

****** Emission Unit Level ******

Condition 43: Emission Point Definition By Emission Unit
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-MISCT

Emission Point: 00026
Height (ft.): 41 Diameter (in.): 300

Item 43.2:
The following emission points are included in this permit for the cited Emission Unit:

ADD EMISSION UNITS 1-RACK2 AND 1-BOLR1. SEE APPLICATION FORMS.

Emission Unit: 1-RACK1

Emission Point: 00001
Height (ft.): 13 Diameter (in.): 12
NYTMN (km.): 4593.224 NYTME (km.): 582.632

Item 43.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-TANKS

Emission Point: 00012
Height (ft.): 40 Diameter (in.): 840
NYTMN (km.): 4593.224 NYTME (km.): 582.632

Emission Point: 00013
Height (ft.): 30 Diameter (in.): 720
NYTMN (km.): 4593.224 NYTME (km.): 582.632

Emission Point: 00017
Height (ft.): 33 Diameter (in.): 480
NYTMN (km.): 4593.224 NYTME (km.): 582.632

Emission Point: 00027
Height (ft.): 50 Diameter (in.): 1020
NYTMN (km.): 4593.224 NYTME (km.): 582.632

Emission Point: 00028
Height (ft.): 36 Diameter (in.): 1200
NYTMN (km.): 4593.224 NYTME (km.): 582.632

Emission Point: 00029
Height (ft.): 48 Diameter (in.): 1680
NYTMN (km.): 4593.224
NYTME (km.): 582.632

Emission Point: 00030
Height (ft.): 48 Diameter (in.): 1440

Condition 44: Process Definition By Emission Unit
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 44.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-MISCT
Process: FG2 Source Classification Code: 4-07-999-97
Process Description:
Tank (TK026) containing wastewater contaminated with

gasoline/ethanol and distillate fuels. 6NYCRR 229 requirements do not apply to this emission source.

Emission Source/Control: TK026 - Process
Design Capacity: 118,272 gallons

Item 44.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACK1
Process: ~~RDS~~ R1D Source Classification Code: 4-04-002-50
Process Description:
Distillate tank truck loading at four (4) bays. Three (3) of the four (4) bays load distillate only. One (1) bay loads distillate and gasoline/ethanol.

Emission Source/Control: RACK1 - Process

Item 44.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACK1
Process: ~~RGS~~ R1G Source Classification Code: 4-04-002-50
Process Description:
Gasoline truck loading at two (2) bays. One (1) bay loads gasoline/ethanol only. One (1) bay loads both gasoline/ethanol and distillate. Gasoline vapors are collected from tank trucks for destruction within the onsite vapor combustion unit.

Emission Source/Control: ~~VPORS~~ - Control TLVCU
Control Type: VAPOR COMBUSTION SYSTEM (INCL VAPOR COLLECTION AND COMBUSTION UNIT)

Emission Source/Control: RACK1 - Process

Item 44.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACK1
Process: TTV Source Classification Code: 4-04-001-54
Process Description:
FUGITIVE EMISSIONS FROM LEAKS FROM TANK TRUCKS DURING LOADING.

Emission Source/Control: RACK1 - Process

Item 44.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACK1
Process: VCU Source Classification Code: 4-04-001-52

Process Description:
FUGITIVE EMISSIONS FROM LOSSES FROM THE VAPOR COMBUSTION UNIT.

Emission Source/Control: RACK1 - Process

Item 44.6:
This permit authorizes the following regulated processes for the cited Emission Unit:

ADD EMISSION UNITS 1-RACK2 AND 1-BOLR1. SEE APPLICATION FORMS.

Emission Unit: 1-TANKS
Process: FG1 Source Classification Code: 4-04-001-51
Process Description:
MISCELLANEOUS FUGITIVE HAP AND VOC EMISSIONS FROM VALVES, PUMPS, AND FLANGE LEAKAGE. ALL EMISSIONS ARE AT INSIGNIFICANT LEVELS.

Emission Source/Control: FVPMP - Process

Item 44.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-TANKS
Process: GAS Source Classification Code: 4-04-001-60
Process Description:
~~Storage of gasoline and petroleum liquids as defined in 6NYCRR Part 229 within six tanks including TK012, TK013, TK017, TK027, TK028 and TK030.~~

~~Each tank is a fixed roof equipped with an internal floating roof system.~~

Storage of gasoline, petroleum liquid or volatile organic liquids within six tanks including TK012, TK013, TK017, TK027, TK028 and TK030.

Emission Source/Control: TK012 - Process
Design Capacity: 1,034,418 gallons

Emission Source/Control: TK013 - Process
Design Capacity: 594,384 gallons

Emission Source/Control: TK017 - Process
Design Capacity: 292,320 gallons

Emission Source/Control: TK027 - Process
Design Capacity: 2,054,808 gallons

Emission Source/Control: TK028 - Process
Design Capacity: 2,025,744 gallons

Emission Source/Control: TK030 - Process
Design Capacity: 3,424,050 gallons

Item 44.8:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-TANKS
Process: VOL Source Classification Code: ~~4-04-001-60~~ 4-03-010-99
Process Description:

~~Storage of volatile liquids as defined in 6NYCRR Part 229 within six tanks including TK012, TK013, TK017, TK027, TK028 and TK030.~~

~~Each tank is a fixed roof equipped with an internal floating roof system.~~

Storage of petroleum liquid or volatile organic liquids including crude and ethanol within seven tanks including TK012, TK013, TK017, TK027, TK028, TK029 and TK030.

Emission Source/Control: TK012 - Process
Design Capacity: 1,034,418 gallons

Emission Source/Control: TK013 - Process
Design Capacity: 594,384 gallons

Emission Source/Control: TK017 - Process
Design Capacity: 292,320 gallons

Emission Source/Control: TK027 - Process
Design Capacity: 2,054,808 gallons

Emission Source/Control: TK028 - Process
Design Capacity: 2,025,744 gallons

Emission Source/Control: TK029 - Process
Design Capacity: 5,527,378 gallons

Emission Source/Control: TK030 - Process
Design Capacity: 3,424,050 gallons

Condition 45: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 229.3 (d)

Item 45.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No person may load gasoline into a gasoline transport vehicle at a gasoline loading terminal, unless the loading terminal is equipped with gasoline vapor collection and vapor control systems operating in good working order. A required vapor collection system consists of:

i. hatch loading systems which include a loading arm

with a vapor collection system adaptor, a vapor-tight seal between the adaptor and hatch, and a method of preventing drainage of liquid gasoline from the loading arm when it is removed from the hatch or for complete drainage of the loading arm before such removal;

ii. bottom loading systems which include a connecting pipe or hose equipped with vapor-tight fittings that will automatically and immediately close upon disconnection to prevent release of gasoline vapors;

iii. a connecting device between the gasoline transport vehicle and the dispensing equipment that interrupts the flow of gasoline to prevent overfilling and spillage; and

iv. a system that prevents the flow of gasoline into gasoline transport vehicles unless the fuel product line and vapor collection system are both connected so as to prevent liquid product leaks and vapor loss.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(b), NSPS Subpart XX

Item 46.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Terminal staff shall conduct daily checks to verify operational status of the Vapor Combustion Unit (VCU) and adherence to system performance criteria. These daily inspections include visual verification that VCU flame is on during product loading cycles.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2010.

Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(e), NSPS Subpart XX

Item 47.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 47.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using to following procedures:

1. The owner or operator shall obtain the vapor tightness documentation described in paragraph 60.505(b) of 40 CFR 60.500 Subpart XX for each gasoline tank truck which is to be loaded at the facility.

2. The owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the facility.

3. The owner or operator shall cross-check each tank identification number recorded per item 2 above with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.

4. The terminal owner or operator shall notify the owner or operator of each nonvapor-tight gasoline tank truck loaded at the facility within 1 week after the documentation cross-check (Item #3).

5. The terminal owner or operator shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the facility until vapor tightness documentation for that tank is obtained.

In addition, the terminal owner or operator shall keep documentation of all notifications required under item 4 above on file at the terminal for at least 5 years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 48: Truck loading compatibility
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(f), NSPS Subpart XX

Item 48.1:
This Condition applies to Emission Unit: 1-RACK1

Item 48.2:
Gasoline loading limited to trucks with vapor
collection equipment which is compatible
with the terminal vapor collection system.

Condition 49: Vapor collection connection required
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(g), NSPS Subpart XX

Item 49.1:
This Condition applies to Emission Unit: 1-RACK1

Item 49.2:
The terminal and tank truck vapor collection systems must be connected during gasoline loading.

Condition 50: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(h), NSPS Subpart XX

Item 50.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The vapor collection and liquid loading equipment shall
be designed and operated to prevent gauge pressure in the
delivery tank from exceeding 450 mm of water (17.7 inches
of water) during product loading.

Facility owner shall have the option to comply with

paragraphs 1 or 2 below.

1) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.

2) Facility shall maintain a system interlock feature which prohibits loading when gauge pressure in a delivery tank is detected at or above 450 mm of water.

Should the facility utilize a pressure measurement device, an instantaneous reading shall be recorded five times per week and sytem operation incorporated as standard operating procedure. In the case of installing and maintaining an interlock feature, facility shall certify proper operation annually.

Parameter Monitored: PRESSURE
Upper Permit Limit: 450 millimeters of water
Reference Test Method: 40CFR 60.503(d)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(i), NSPS Subpart XX

Item 51.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Venting from the terminal vapor collection system shall

not open at a pressure-vacuum less than 450 mm of water (17.7 inches of water).

Facility owner shall have the option to comply with paragraphs 1 or 2 below.

1) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system.

2) Facility shall maintain a system interlock feature which prohibits loading when system venting is detected below 450 mm of water.

Should the facility utilize a pressure measurement device, an instantaneous reading shall be recorded five times per week and sytem operation incorporated as standard operating procedure. In the case of installing and maintaining an interlock feature, facility shall certify proper operation annually.

Parameter Monitored: PRESSURE
Upper Permit Limit: 450 millimeters of water
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(j), NSPS Subpart XX

Item 52.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compound liquid or vapor leaks. Detection methods incorporating sight, sound, or smell are acceptible. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.

Monthly terminal leak inspection records must be retained at the terminal for at least 5 years. Inspection records shall include, as a minimum, the following:

1. Inspection date

2. Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).

3. Leak determination method

4. Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).

5. Inspector name and signature.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.505(b), NSPS Subpart XX

Item 53.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

All tank truck vapor tightness documentation required under this section shall be kept on file at the terminal in a permanent form available for inspection.

Tank truck testing records must be updated annually to reflect current test results as determined by EPA Method 27. This documentation shall include, as a minimum, the following information:

1. Test title: Gasoline Delivery Tank Pressure Test - EPA Reference Method 27

2. tank owner name and address

3. truck identification number

4. testing location

5. test date

6. tester name and signature

7. average (of two runs) of actual pressure change observed during the 5 minute test periods

8. witnessing inspector's (if any): name, signature and affiliation.

Reference Test Method: EPA Method 27
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.505(e)(2), NSPS Subpart XX

Item 54.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 54.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in §60.505(a), (c), and (d), the facility may comply with the following requirement:

For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation must be made available (e.g., via facsimile) for inspection by NYSDEC representatives during the course of a site visit, or within a mutually agreeable time frame.

- The copy of each record in this condition must be an exact duplicate image of the original paper record with certifying signatures.

- NYSDEC must be notified in writing that each terminal using this alternative is in compliance with this permit condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 55: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40 CFR Part 64

Item 55.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 55.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall maintain an up to date copy of the Compliance Assurance Monitoring plan available for review by the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 56: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40 CFR Part 64

Item 56.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Gasoline vapors from tank trucks shall be controlled by a vapor combustion unit (VCU). The VCU is manufactured by John Zink. The VCU is equipped with an Ultraviolet Flame Detector (UFD) to continously monitor the presence of flame within the enclosed combustor. After a tanker truck is hooked to the loading rack, a remote signal is sent to the VCU programmable logic controller (PLC) to automatically ignite the pilot flame. If a pilot flame is not detected by the UFD, the PLC will shut down the combustion system due to pilot failure. After the UFD verifies that a flame is present, a light is activated on the VCU control panel. If the UFD signal is lost during loading, the loading rack automatically shuts down and a light indicating the reason for the fault is activated; a light and alarm also sound in the terminal office.

Indicator: Electrical signal generated by UFD indicates flame is on and loss of signal indicates flame is absent.

Monitoring Frequency: The UFD operates continuously. Terminal staff perform daily checks to verify operational status of VCU and adherence to system performance criteria. These daily inspections include visual verification that VCU flame is on during product loading cycles.

Data Collection Procedures: UFD continuously senses UV radiation emitted by flame. This signal is measured as a current (micro amps) and sent to terminal PLC.

QA/QC Practices and Criteria: Preventative maintenance (PM) of VCU and UFD performed on at least a semiannual basis. UFD calibration verified during the PM check.

Verification: Compliance testing at VCU emissions on a once/5 year cycle. Compliance testing shall include demonstration that VOC emissions are below permit limit (mg VOC/liter product loaded; % DRE testing) and that UFD verifies flame presence at all times that product is loading.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2010.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:40CFR 60.502(b), NSPS Subpart XX

Item 57.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1 Emission Point: 00001

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 57.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
VOC emissions from the vapor collection and control system shall not execeed 35 milligrams per liter (0.2914 lb per 1000 gallon) of gasoline throughput. Compliance with the specified limit constitutes compliance with the less stringent VOC emissions limit defined by 6NYCRR 229.3(d).

Compliance testing of the Vapor Combustion Unit emissions shall be completed once/5 year cycle. Compliance testing shall include a demonstration that VOC emissions are below the permit limit (mg VOC/liter product loaded; % DRE

testing) and that the Ultraviolet Flame Detector (UFD) verifies flame presence at all times during product loading.

Compliance testing shall include pressure-vacuum verification of the vapor collection and liquid loading equipment as well as system release integrity. Pressure-vacuum verification testing is a compliance option which references permit conditions under 40CFR 60-XX.502(h) and 40CFR 60-XX.502(i).

At least 60 days prior to scheduling actual testing, the facility shall submit a protocol detailing methods and procedures to be used during performance/verification testing. A report documenting results shall be submitted within 60 days of conducting performance/verification testing.

Upper Permit Limit: 35 milligrams per liter
Reference Test Method: USEPA Method 25
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 229.3 (a)

Item 58.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS
Process: GAS

Item 58.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Storage of petroleum liquid in a fixed roof tank is subject to the following:

(1) the tank has been retrofitted with an internal floating roof or equivalent control; and

(2) the vapor collection and vapor control systems are maintained and operated in such a way as to ensure the integrity and efficiency of the system.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable Federal Requirement:6 NYCRR 229.3 (e) (1)

Item 59.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS
Process: VOL

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 59.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Tanks storing volatile organic liquids (VOL) as defined in 6NYCRR Part 229 must be equipped with an internal floating roof with a liquid-mounted primary seal and gasketed fittings, or equivalent control. Replacement of other than liquid-mounted seals is to be performed when the tank is cleaned and gas-freed for other purposes.

Associated sources include tank identifications TK012, TK013, TK017, TK027, TK028 and TK030. Future modifcation to VOL storage tanks shall require notification to the Department. Monitoring to ensure tank integrity shall be consistent with good engineering and industry practices.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 60: Contaminant List
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable State Requirement:ECL 19-0301

Item 60.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000067-56-1
Name: METHYL ALCOHOL

CAS No: 000071-43-2
Name: BENZENE

CAS No: 000100-41-4
Name: ETHYLBENZENE

CAS No: 000108-88-3
Name: TOLUENE

CAS No: 000110-54-3
Name: HEXANE

CAS No: 000540-84-1
Name: PENTANE, 2,2,4-TRIMETHYL-

CAS No: 001330-20-7
Name: XYLENE, M, O & P MIXT.

CAS No: 001634-04-4
Name: METHYL TERTBUTYL ETHER

CAS No: 0NY100-00-0
Name: HAP

CAS No: 0NY998-00-0
Name: VOC

Condition 61: Unavoidable noncompliance and violations
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable State Requirement:6 NYCRR 201-1.4

Item 61.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 62: Air pollution prohibited
Effective between the dates of 05/19/2010 and 05/18/2015

Applicable State Requirement:6 NYCRR 211.2

Item 62.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

ADD PROPOSED LANGUAGE ; ATTACHED

16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.453.2204
www.envirospeceng.com

Global New Windsor Terminals
Proposed Permit Language – Newburgh Terminal

Proposed Language for Applicable Regulation 6 NYCRR 231-11.2 (c):

Condition W: Compliance Certification

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item W.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Demonstration applies to:

Racks:

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2E Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2C Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2G Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: VCU Emission Source: RACK2

Tanks:

Emission Unit: 1-TANKS
Process: VOL Emission Source: TK029

Item W.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with Clause 231-4.1(b)(40)(i)(c) of this Part are added, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).
(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:
(i) the name, address, and telephone number of the major facility.
(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.
(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Condition X in Title V Facility Permit No. 3-3348-00087/00005 and Condition X in Title V Facility Permit No. 3-3348-00197/00053 should be monitored and reported in conjunction with this condition to demonstrate actual emissions do not exceed the Significant Project Threshold.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Proposed Language for Applicable Regulation 6 NYCRR 201-7.1:

Condition X: Capping Monitoring Condition

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item X.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item X.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item X.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item X.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item X.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item X.6:
The Compliance Certification activity will be performed for the Facility.
Regulated Contaminant(s):
CAS No: 000067-56-1 METHYL ALCOHOL
CAS No: 000071-43-2 BENZENE
CAS No: 000100-41-4 ETHYLBENZENE
CAS No: 000108-88-3 TOLUENE
CAS No: 000110-54-3 HEXANE
CAS No: 000540-84-1 PENTANE, 2,2,4-TRIMETHYL
CAS No: 001330-20-7 XYLENE, M, O & P MIXT.
CAS No: 001634-04-4 METHYL TERTBUTYL ETHER
CAS No: 0NY100-00-0 HAP

Item X.7:
Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING / MAINTENANCE PROCEDURES

Monitoring Description:
For the purposes of 40 CFR Part 63, Subpart R applicability, NYS DEC Title V Permit 3-3348-00111/00023 must be reviewed in conjunction with NYS DEC Title V Permit 3-3348-00087/00005 as well as NYS DEC Title V Permit 3-3348-00197/00053.

Individual and total HAP emissions across all three (3) Title V Permits shall not exceed 10 and 25 tons respectively in any rolling twelve month period.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Proposed Language for Applicable Regulation 6 NYCRR 201-7.1:

Condition Y: Title V Permits

Applicable Federal Requirement: 6 NYCRR 201-6.1 (d)

Item Y.1:
Multiple title V facility permits will be issued for a facility upon request from an owner or operator for more than one permit. In no case shall the determination of whether a facility is subject to the requirement to obtain an operating permit according to this section or the applicability of any requirement be affected by the application for, or issuance of, more than one title V facility permit.

Item Y.2:
Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

Proposed Language for Applicable Regulation 6 NYCRR 207-7:

Condition Z: Compliance Certification

Applicable Federal Requirement: 6 NYCRR 207-7

Item Z.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Demonstration applies to:

Racks:

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2G Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2C Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: VCU Emission Source: RACK2

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP

Item Z.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
Crude Oil throughput shall be limited to keep total HAP emissions less than 25 tons/yr and keep individual HAP emissions below 10 tons/year; that is, less than the applicability thresholds of 40 CFR 63, Subpart R. This absolves the facility from that NESHAP.

Emissions for this cap were calculated using the most current AP-42 emission factors, "TANKS" program, or other current emission factors. Throughput limits were calculated using a Marine Vapor Combustion Unit (Control: MVCU1) emission rate of 3 mg/l and another Marine Vapor Combustion Unit (Control: MVCU2) with an emission rate of 3 mg/l.

For operational flexibility purposes, this allotment can be converted to gallons of gasoline loading which will be controlled through Source ID: MVCU2. Each gallon of crude oil is equivalent to 0.564 gallons of gasoline.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: CRUDE OIL
Upper Permit Limit: 1,350,000,000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3348-00087/00005
Effective Date: 02/17/2011 Expiration Date: 02/16/2016

Permit Issued To:GLOBAL COMPANIES LLC
800 SOUTH STREET
WALTHAM, MA 02453

Contact: TOM KEEFE
GLOBAL COMPANIES LLC
800 SOUTH ST PO BOX 9161
WALTHAM, MA 02454-9161
(781) 398-4132

Facility: GLOBAL COMPANIES - NORTH TERMINAL
1254 RIVER RD|HUDSON RIVER
NEW WINDSOR, NY 12553

Description:

Title V Permit Renewal 2

The Global Companies - North terminal is a ~~gasoline and distillate oil~~ storage and distribution PETROLEUM facility located within the Town of New Windsor, Orange County, New York. The terminal consists of six storage tanks of different volumes which contain gasoline, petroleum liquid or volatile organic liquids (including ethanol) as those terms are defined in 6NYCRR Part 229. All are fixed roof tanks with internal floating roofs. Gasoline vapors collected from the tank truck loading rack are controlled by a vapor combustion unit (open flare).

The facility is subject to numerous recordkeeping, monitoring and reporting requirements under 6NYCRR 229 - Petroleum and Volatile Organic Liquid Storage and Transfer, 40CFR64 - Continuous Assurance Monitoring and 40CFR63.BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. In support of limiting Hazardous Air Pollutant emissions below major stationary source thresholds, the permit limits ~~annual gasoline and annual distillate fuel throughputs~~ under 6NYCRR Part 201-7. ANNUAL PRODUCT THROUGHPUTS.

Title V permitting applies to this facility since Volatile Organic Compound emissions exceed major stationary source thresholds defined by 6NYCRR 201. The Standard Industrial Classification representative of this facility is 5171 - Petroleum Bulk Stations and Terminals.

Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KENNETH R GRZYB
NYSDEC REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be

submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:GLOBAL COMPANIES LLC
800 SOUTH STREET
WALTHAM, MA 02453

Facility: GLOBAL COMPANIES - NORTH TERMINAL
1254 RIVER RD|HUDSON RIVER
NEW WINDSOR, NY 12553

Authorized Activity By Standard Industrial Classification Code:
5171 - PETROLEUM BULK STATIONS & TERMINALS

Permit Effective Date: 02/17/2011 Permit Expiration Date: 02/16/2016

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.5 (a) (7): Fees
3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.5 (e): Compliance Certification
7 6 NYCRR 202-2.1: Compliance Certification
8 6 NYCRR 202-2.5: Recordkeeping requirements
9 6 NYCRR 215.2: Open Fires - Prohibitions
10 6 NYCRR 200.7: Maintenance of Equipment
11 6 NYCRR 201-1.7: Recycling and Salvage
12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
19 6 NYCRR 202-1.1: Required Emissions Tests
20 6 NYCRR 211.3: Visible Emissions Limited
21 40 CFR Part 68: Accidental release provisions.
22 40CFR 82, Subpart F: Recycling and Emissions Reduction
23 6 NYCRR Subpart 201-6: Emission Unit Definition
24 6 NYCRR 201-7.1: Facility Permissible Emissions
*25 6 NYCRR 201-7.1: Capping Monitoring Condition
*26 6 NYCRR 201-7.1: Capping Monitoring Condition
*27 6 NYCRR 201-7.1: Capping Monitoring Condition
*28 6 NYCRR 201-7.1: Capping Monitoring Condition
29 6 NYCRR 225-1.2 (a) (2): Compliance Certification
30 6 NYCRR 225-3.3 (a): Compliance Certification
31 6 NYCRR 225-3.4 (a): Compliance Certification
32 6 NYCRR 225-3.4 (b): Compliance Certification
33 6 NYCRR 229.3 (d) (1): Compliance Certification
34 6 NYCRR 229.5: Compliance Certification
35 40CFR 63.11081(a), Subpart BBBBBB: Definition of an affected source
36 40CFR 63.11083(b), Subpart BBBBBB: Compliance date for an existing source
37 40CFR 63.11089, Subpart BBBBBB: Compliance Certification
38 40CFR 63.11093, Subpart BBBBBB: Notifications (63.11093 a-d)
39 40CFR 63.11094(b), Subpart BBBBBB: Compliance Certification
40 40CFR 63.11094(c), Subpart BBBBBB: Compliance Certification
41 40CFR 63.11095(a), Subpart BBBBBB: Compliance Certification
42 40CFR 63.11095(b), Subpart BBBBBB: Compliance Certification

43 40CFR 63.11098, Subpart BBBBBB: Applicability of MACT General Provisions
44 40CFR 63, Subpart BBBBBBB: Compliance Certification
45 40CFR 63, Subpart BBBBBBB: Compliance Certification
46 40 CFR Part 64: Compliance Certification

Emission Unit Level

EU=1-00001

47 40CFR 63.11087, Subpart BBBBBB: Compliance Certification
48 40CFR 63.11087(f), Subpart BBBBBB: Compliance Certification
49 40CFR 63.11092(e)(1), Subpart BBBBBB: Internal floating roof inspections

EU=1-RACK1

50 6 NYCRR 229.3 (d): Compliance Certification
51 40CFR 63.11088, Subpart BBBBBB: Compliance Certification

EU=1-RACK1,EP=LRVCU,Proc=002,ES=00VCU

52 40CFR 63.11092(a)(4), Subpart BBBBBB: Compliance Certification
53 40CFR 63.11092(b)(2), Subpart BBBBBB: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

54 ECL 19-0301: Contaminant List
55 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
56 6 NYCRR 211.2: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: **Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: **Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: **Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: **Property Rights - 6 NYCRR 201-6.5 (a) (6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: **Severability - 6 NYCRR 201-6.5 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: **Permit Shield - 6 NYCRR 201-6.5 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: **Reopening for Cause - 6 NYCRR 201-6.5 (i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is

three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: **Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York

(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: **Acceptable Ambient Air Quality**
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: **Fees**
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: **Recordkeeping and reporting of compliance monitoring**
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (2)

Item 4.1:
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum

frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 6: **Compliance Certification**
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (e)

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

i. Compliance certifications shall contain:
- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to

the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:
Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a

religious ceremony.
(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(i) Prescribed burns performed according to Part 194 of this Title.
(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:
Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:
The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:
The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee

may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made

without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Visible Emissions Limited
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 211.3

Item 20.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40 CFR Part 68

Item 21.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-00001
Emission Unit Description:

Six (6) storage tanks of different volumes contain gasoline, petroleum liquid or volatile organic liquids (including ethanol) as those terms are defined in 6NYCRR Part 229. All are fixed roof tanks with internal floating roofs and are subject to 6NYCRR 229. Tank identifications include:

TANK1 - 1,074,990 gallons
TANK2 - 1,081,710 gallons
TANK3 - 1,061,110 gallons
TANK4 - 220,710 gallons
TANK5 - 4,051,950 gallons
TNK10 - 1,014,300 gallons

The following tanks store distillate fuels which are not

subject to 6NYCRR 229 and are not defined by this emission unit:

TANK6
TANK7
TANK8
TANK9

ADD EMISSION UNITS 1-RACK2 AND 1-BOLR1. SEE APPLICATION FORMS.

Item 23.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-RACK1
Emission Unit Description:

Truck loading rack with four bays. Three of the four bays are used to load gasoline. Gasoline vapors recovered from tank trucks are controlled by a vapor combustion unit (open flare).

Condition 24: Facility Permissible Emissions
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 24.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY100-00-0 PTE: 48,000 pounds per year
Name: HAP

CAS No: 0NY998-00-0 PTE: ~~211,000~~ pounds per year
Name: VOC

SEE FACILITY PTE

Condition 25: Capping Monitoring Condition
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 25.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2

Item 25.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 25.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 25.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 25.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 25.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 25.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
VOC emissions shall not exceed 105.5 tons annually based on a rolling twelve month rolling cumulative total.

In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month gasoline throughput of 250,000,000 gallons and a rolling twelve month total distillate fuel throughput of 200,000,000 gallons. AS WELL AS A ROLLING 12 MONTH TOTAL THROUGHPUT OF 1,350 MMGALS OF CRUDE.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 26.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 26.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 26.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 26.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 26.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 26.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 26.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

In support of capping individual and total HAP emissions as well as limiting VOC emissions, the facility is limited to a rolling twelve month distillate fuel throughput of 200,000,000 gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 200000000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Capping Monitoring Condition
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 27.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 27.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 27.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 27.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 27.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 27.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

In support of capping individual and total HAP emissions as well as limiting VOC emissions, the facility is limited to a rolling twelve month gasoline thruput of 250,000,000 gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: GASOLINE
Upper Permit Limit: 250000000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 28: Capping Monitoring Condition
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 28.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 28.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 28.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 28.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 28.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 28.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2	BENZENE
CAS No: 000100-41-4	ETHYLBENZENE
CAS No: 000108-88-3	TOLUENE
CAS No: 000110-54-3	HEXANE
CAS No: 000540-84-1	PENTANE, 2,2,4-TRIMETHYL-
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 001634-04-4	METHYL TERTBUTYL ETHER
CAS No: 0NY100-00-0	HAP
CAS No: 000067-56-1	METHYL ALCOHOL

Item 28.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Individual and total HAP emissions shall not exceed 10 and 25 tons respectively in any rolling twelve month period.

In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month gasoline throughput of 250,000,000 gallons and a rolling twelve month total distillate fuel throughput of 200,000,000 gallons. AS WELL AS A ROLLING 12 MONTH TOTAL THROUGHPUT OF 1,350 MMGALS OF CRUDE.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Compliance Certification

Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 225-3.3 (a)

Item 30.1:
The Compliance Certification activity will be performed for the Facility.

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The facility shall not sell or supply a gasoline to a retailer or wholesale purchaser-consumer, having a Reid vapor pressure greater than 9.0 pounds per square inch (psi) as sampled and tested by methods acceptable to the commissioner, during the period May 1st through September 15th of each year.

Parameter Monitored: REID VAPOR PRESSURE
Upper Permit Limit: 9.0 pounds per square inch absolute
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 225-3.4 (a)

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

As the owner or operator of a gasoline distribution terminal, records must be maintained which includes the following:

(1) The RVP of the gasoline.

(2) A designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

(3) Written certification that the gasoline:

(i) conforms with all RVP and oxygen content requirements of this Subpart; and

(ii) is in compliance with all applicable State and Federal regulations which apply during the time period(s) specified pursuant to paragraph (3)of this subdivision.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 225-3.4 (b)

Item 32.1:
The Compliance Certification activity will be performed for the Facility.

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility shall provide the following records with gasoline which is distributed from the terminal:

(1) A copy of the certification required by 6NYCRR 225-3.4(a).

(2) Documentation of the maximum RVP of the gasoline if the gasoline was subject to section 225-3.3 of this Subpart.

(3) Designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

(4) Documentation of the shipment quantity and the shipment date of the gasoline being distributed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 229.3 (d) (1)

Item 33.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-RACK1 Emission Point: LRVCU

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The gasoline vapor collection and control system must capture gasoline vapors during loading and unloading of gasoline transport vehicles and must condense, absorb, adsorb, or combust gasoline vapors so emissions do not exceed 80 milligrams per liter (0.67 pounds/1000 gallons).

Performance criteria of the open flare shall be governed by the requirements of 40CFR Part 63 - BBBBBB (effective January 2011).

Upper Permit Limit: 80 milligrams per liter
Reference Test Method: Method 25
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 229.5

Item 34.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-00001

Emission Unit: 1-RACK1

Item 34.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

As the owner or operator of a gasoline loading terminal, petroleum liquid storage tanks, and volatile organic liquid storage tank subject to this Part must maintain the following records at the facility for a period of five years;

(a) capacities of petroleum liquid storage tanks subject to section 229.3(a) or (b) of this Part, in gallons;

(b) average daily gasoline thruput for gasoline loading terminals subject to section 229.3(d) of this Part, in gallons per year; and

(c) capacities of volatile organic liquid storage tanks, subject to section 229.3 (e) of this Part in gallons.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 35: Definition of an affected source
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11081(a), Subpart BBBBBB

Item 35.1:
The affected source to which subpart BBBBBB applies is each area source bulk gasoline terminal, pipeline breakout station, pipeline pumping station, and bulk gasoline plant as identified below:

1) A bulk gasoline terminal that is not subject to the control requirements of 40CFR63, Subpart R or 40CFR63, Subpart CC.

2) A pipeline breakout station that is not subject to the control requirements of 40CFR63, subpart R.

3) A pipeline pumping station.

4) A bulk gasoline plant.

Condition 36: Compliance date for an existing source
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11083(b), Subpart BBBBBB

Item 36.1:
An existing affected source must comply with the standards of this subpart no later than January 10, 2011.

Condition 37: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11089, Subpart BBBBBB

Item 37.1:
The Compliance Certification activity will be performed for the Facility.

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner/operator of a bulk gasoline terminal, bulk plant, pipeline breakout station, or pipeline pumping station subject to the provisions of subpart BBBBBB shall perform a monthly leak inspection of all equipment in gasoline service, as defined in §63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

A log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in §63.11089(d).

Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report specified in §63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed.

The facility must comply with the requirements of subpart BBBBBB by the applicable dates in §63.11083.

The facility must submit the applicable notifications as required under §63.11093.

The facility must keep records and submit reports as specified in §63.11094 and 63.11095.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 38: Notifications (63.11093 a-d)
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11093, Subpart BBBBBB

Item 38.1:
(a) Each owner/operator of an affected source under subpart BBBBBB must submit an initial notification as specifiedin §63.9(b). If the facility is in compliance with the requirements of subpart BBBBBB at the time the initial notification is due, the notification of compliance status required under (b) of this condition may be submitted in lieu of the initial notification.

(b) Each owner/operator of an affected source under subpart BBBBBB must submit a notification of compliance status as specified in §63.9(h). The notification of compliance status must specify which of the compliance options included in table 1 of subpart BBBBBB that is used to comply with the subpart.

(c) Each owner/operator of an affected bulk gasoline terminal under subpart BBBBBB must submit a notification of performance test, as specified in §63.9(e), prior to initiating testing required by §63.11092(a) or §63.11092(b).

(d) Each owner/operator of any affected source under subpart BBBBBB must submit additional notifications specified in §63.9, as applicable.

Condition 39: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11094(b), Subpart BBBBBB

Item 39.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall keep records of the test results for each gasoline cargo tank loading at the facility as specified below:

1) Annual certification testing performed under §63.11092(f)(1) and periodic railcar bubble leak testing performed under §63.11092(f)(2).

2) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information:

- Name of Test: Annual Certification Test - Method 27 or Periodic Railcar Bubble Leak Test Procedure.
- Cargo tank owner's name and address
- Cargo tank identification number
- Test location and date
- Tester name and signature
- Witnessing inspector, if any: name, signature, affiliation
- Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing
- Test results: Test pressure, pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition

3) If the facility is complying with the alternative requirements in §63.11088(b), the facility must keep records documenting that the facility has verified the vapor tightness testing according to the requirements of EPA.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11094(c), Subpart BBBBBB

Item 40.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in §63.11094(b), the facility may keep an electronic copy of each record which would be instantly available at the terminal. The copy of each record above must be an exact duplicate image of the original paper record with certifying signatures.

For facilities which use a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo

tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation must be made available (e.g., via facsimile) for inspection by EPA's or NYSDEC's delegated representatives during the course of a site visit, or within a mutually agreeable time frame.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11095(a), Subpart BBBBBB

Item 41.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 41.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each facility with a bulk terminal or pipeline breakout station that is subject to control requirements of subpart BBBBBB shall include in a semiannual compliance report the following information, as applicable:

1) For storage vessels, if the facility is complying with options 2(a), 2(b), or 2(c) in table 1 of subpart BBBBBB, the informations specified in §60.115b(a), §60.115b(b), or §60.115b(c), depending upon the control equipment installed, or, if the facility is complying with option 2(d) in table 1 of subpart BBBBBB, the information specified in §63.1066.

2) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.

3) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11095(b), Subpart BBBBBB

Item 42.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

A facility that is subject to the control requirements in Subpart BBBBBB, shall submit an excess emissions report to NYSDEC at the time the semiannual compliance report is submitted. Excess emissions events under subpart BBBBBB, and the information to be included in the excess emissions report, are as follows:

1) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the facility failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.

2) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tan is obtained by the facility in accordance with §63.11094(b).

3) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under §63.11092(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the continuous monitoring system.

4) Each instance in which malfunctions discovered during the monitoring and inspections required under §63.11092(b)(1)(i)(B)(2) and (b)(1)(iii)(B)(2) were not resolved according to the necessary corrective actions described in the monitoring and inspection plan. The report shall include a description of the malfunction and the timing of the steps taken to correct the malfunction.

5) for each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair

was not completed within 15 days after detection:
- the date on which the leak was detected;
- the date of each attempt to repair the leak;
- the reasons for the delay of repair; and
- the date of successful repair.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Applicability of MACT General Provisions
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11098, Subpart BBBBBB

Item 43.1:
Table 3 of subpart BBBBBB lists which parts of the general provisions in subpart A apply to the facility.

Condition 44: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63, Subpart BBBBBBB

Item 44.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Applicable requirement - 40CFR 63.11092(a)(4), 63.11092(b)(2), 63.11094(f)(2)(ii) Subpart BBBBBB

Operation of the open flare as a control device is not subject to the performance testing under 40CFR 63.11092(a). The facility shall demonstrate the open flare complies with the requirements under 40CFR 63.11(b) and report all pertinent information with the Notification of Compliance Status (see §63.11093(b)). This includes, but not limited to, flare design, visible emissions readings, heat content determinations, flow rate measurements and velocity determinations.

The open flare shall be equipped with a heat sensing device installed in proximity to the pilot light to indicate the presence of a flame.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63, Subpart BBBBBBB

Item 45.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Applicable requirement - 40CFR 63.11094(d) and 40CFR 63.11094(e), Subpart BBBBBB

Since the facility is subject to the equipment leak provisions of §63.11089, then the facility shall prepare and maintain a record describing the types, identification, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under §63.11089, the record shall contain a full description of the program.

The facility shall record in a log book for each leak that is detected, the information below:

1) The equipment type and identifier.
2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).
3) The date the leak was detected and the date of each attempt to repair the leak.
4) Repair methods applied in each attempt to repair the leak.
5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.
6) The expected date of successful repair of the leak if the leak is not repaired within 15 days.
7) The date of successful repair of the leak.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40 CFR Part 64

Item 46.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-RACK1 Emission Point: LRVCU

Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
COMPLIANCE ASSURANCE MONITORING PLAN
DEC ID#3-3348-00087
Global Companies - North Terminal

MAINTENANCE AND TROUBLESHOOTING PROCEDURES

Regular inspection and routine maintenance are required in order to ensure proper operation of the vapor control units. In order to maintain the most efficient operation of the units and provide an assurance of compliance with the emission limitation and standards in accordance with 40CFR Part 64, Global Companies has instituted a regular inspection and maintenance procedure for the vapor control units. This procedure also conforms to the recommended general maintenance procedures of the manufacturer. This inspection and maintenance procedure is as outlined below.

Daily Inspections:

Inspections are done each day for the following:

1. Check to ensure that all gauges are reading within normal ranges.
2. Check to ensure that no unusual noises are coming from the operating equipment.
3. Visually inspect propane tank and air compressor.

Weekly Inspections:

Inspections are done once per week for the following:

1. Check for normal levels in the gauge glasses on the propane tank.
2. Verify that all annunciation lamps work.
a. Push the lamp test pushbutton on the main control panel. All of the lights should illuminate.
b. Replace the lights that do not turn on.
3. Check the hydroseal water level.

Monthly Inspections:

Inspections are done once each months for the following:

1. Check operation of the front panel lights.
2. Check propane tanks and propane gauges.
3. Check air compressor and all air gauges for proper operation.
4. Gauge the level in the knock-out tank.
5. Check the shutdown circuit for proper operation by creating a fault to ensure proper system shutdown. A detailed description of how to check each shutdown is provided in the "Startup" Section of the unit manual.

Inspection records shall be kept at the Terminal Managers office.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

****** Emission Unit Level ******

Condition 47: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11087, Subpart BBBBBB

Item 47.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-00001

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 47.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A facility which owns or operates a gasoline storage tank subject to this subpart and having a capacity equal to or exceeding 75 cubic meters shall equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv)-(ix). The facility shall comply with the requirements of subpart BBBBBB by the applicable dates specified in §63.11083, except that if a storage vessel with a floating roof is not meeting the requirements of §63.11087(a) it must be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first. The facility must comply with the testing and monitoring requirements specified in §63.11092(e)(1). Finally, the facility shall submit the following information as required in 40 CFR Part 60.115b(a):

(1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of §60.112b(a)(1) and §60.113b(a)(1). This report shall be an attachment to the notification required by §60.7(a)(3).

(2) Keep a record of each inspection performed as required by §60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

(3) If any of the conditions described in §60.113b(a)(2)

are detected during the annual visual inspection required by §60.113b(a)(2), a report shall be furnished to the Administrator within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

(4) After each inspection required by §60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in §60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of §61.112b(a)(1) or §60.113b(a)(3) and list each repair made.

These records are to be maintained for a minimum of 5 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11087(f), Subpart BBBBBB

Item 48.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-00001

Item 48.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
A gasoline storage tank that is subject to, and complies with, the control requirements of 40CFR60, subpart Kb, will be deemed in compliance with §63.11087. The facility must report this determination in the Notification of Compliance Status report as specified in §63.11093(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Internal floating roof inspections
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11092(e)(1), Subpart BBBBBB

Item 49.1:
This Condition applies to Emission Unit: 1-00001

Item 49.2:
Each owner/operator subject to the emission standard in §63.11087 for gasoline storage tanks that are equipped with an internal floating roof shall perform inspections of the floating roof system according to the requirements of §60.113b(a) if the facility is complying with option 2(b) of table 1 of subpart BBBBBB. If the facility is complying with option 2(d) of table 1 of subpart BBBBBB, then the facility shall comply with the requirements in §63.1063(c)(2).

Condition 50: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:6 NYCRR 229.3 (d)

Item 50.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No person may load gasoline into a gasoline transport vehicle at a gasoline loading terminal, unless the loading terminal is equipped with gasoline vapor collection and vapor control systems operating in good working order. A required vapor collection system consists of:

i. hatch loading systems which include a loading arm with a vapor collection system adaptor, a vapor-tight seal between the adaptor and hatch, and a method of preventing drainage of liquid gasoline from the loading arm when it is removed from the hatch or for complete drainage of the loading arm before such removal;

ii. bottom loading systems which include a connecting pipe or hose equipped with vapor-tight fittings that will automatically and immediately close upon disconnection to prevent release of gasoline vapors;

iii. a connecting device between the gasoline transport vehicle and the dispensing equipment that interrupts the flow of gasoline to prevent overfilling and spillage; and

iv. a system that prevents the flow of gasoline into gasoline transport vehicles unless the fuel product line and vapor collection system are both connected so as to prevent liquid product leaks and vapor loss.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11088, Subpart BBBBBB

Item 51.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner and/or operator of a gasoline loading rack having a throughput of greater than or equal to 250,000 gallons/day, shall be subject to the following requirements:

a) Equip the loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and
b) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and
c) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack from passing to another loading rack; and
d) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in §60.502(e)-(j). For the purposes of this condition, the term "tank truck' as used in §60.502(e)-(j) means "cargo tank" as defined in subpart BBBBBB in §63.11100.

The facility shall comply with the requirements of subpart BBBBBB by the applicable dates specified in §63.11083.

The facility must comply with the testing and monitoring requirements specified in §63.11092(a).

The facility must keep records and submit reports as specified in §63.11094 and 11095.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11092(a)(4), Subpart BBBBBB

Item 52.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1 Emission Point: LRVCU
Process: 002 R1P Emission Source: 00VCU RACK1

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The performance test requirements of §63.11092(a) do not apply to flares defined in §63.11100 and meeting the flare requirements in §63.11(b). The owner or operator shall demonstrate that the flare and associated vapor collection system is in compliance with the requirements in §63.11(b) and 40 CFR 60.503(a), (b), and (d).

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable Federal Requirement:40CFR 63.11092(b)(2), Subpart BBBBBB

Item 53.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACK1 Emission Point: LRVCU
Process: 002 R1P Emission Source: 00VCU RACK1

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For each performance test conducted under §63.11092(a)(1), the facility shall determine a monitored operating parameter value for the vapor processing system using the procedures below.

If the facility is using a flare meeting the requirements of §63.11(b), then the facility shall install a heat-sensing device, such as an ultraviolet beam sensor or a thermocouple, which must be installed in proximity to the pilot light to indicate the presence of a flame.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 54: Contaminant List
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable State Requirement:ECL 19-0301

Item 54.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000067-56-1
Name: METHYL ALCOHOL

CAS No: 000071-43-2
Name: BENZENE

CAS No: 000100-41-4
Name: ETHYLBENZENE

CAS No: 000108-88-3
Name: TOLUENE

CAS No: 000110-54-3
Name: HEXANE

CAS No: 000540-84-1
Name: PENTANE, 2,2,4-TRIMETHYL-

CAS No: 001330-20-7
Name: XYLENE, M, O & P MIXT.

CAS No: 001634-04-4
Name: METHYL TERTBUTYL ETHER

CAS No: 0NY100-00-0
Name: HAP

CAS No: 0NY998-00-0
Name: VOC

Condition 55: Unavoidable noncompliance and violations
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable State Requirement:6 NYCRR 201-1.4

Item 55.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 56: Air pollution prohibited
Effective between the dates of 02/17/2011 and 02/16/2016

Applicable State Requirement:6 NYCRR 211.2

Item 56.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

ADD PROPOSED LANGUAGE ; ATTACHED

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Global New Windsor Terminals
Proposed Permit Language – North Terminal

Proposed Language for Applicable Regulation 6 NYCRR 231-11.2 (c):

Condition W: Compliance Certification

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item W.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Demonstration applies to:

Racks:

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2E Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2C Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2G Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: VCU Emission Source: RACK2

Item W.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with Clause 231-4.1(b)(40)(i)(c) of this Part are added, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of

regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).
(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:
(i) the name, address, and telephone number of the major facility.
(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.
(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Condition X in Title V Facility Permit No. 3-3348-00111/00023 and Condition X in Title V Facility Permit No. 3-3348-00197/00053 should be monitored and reported in conjunction with this condition to demonstrate actual emissions do not exceed the Significant Project Threshold.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Proposed Language for Applicable Regulation 6 NYCRR 201-7.1:

Condition X: Capping Monitoring Condition

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item X.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item X.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item X.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item X.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a

brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item X.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item X.6:
The Compliance Certification activity will be performed for the Facility.
Regulated Contaminant(s):
CAS No: 000067-56-1 METHYL ALCOHOL
CAS No: 000071-43-2 BENZENE
CAS No: 000100-41-4 ETHYLBENZENE
CAS No: 000108-88-3 TOLUENE
CAS No: 000110-54-3 HEXANE
CAS No: 000540-84-1 PENTANE, 2,2,4-TRIMETHYL
CAS No: 001330-20-7 XYLENE, M, O & P MIXT.
CAS No: 001634-04-4 METHYL TERTBUTYL ETHER
CAS No: 0NY100-00-0 HAP

Item X.7:
Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING / MAINTENANCE PROCEDURES

Monitoring Description:
For the purposes of 40 CFR Part 63, Subpart R applicability, NYS DEC Title V Permit 3-3348-00111/00023 must be reviewed in conjunction with NYS DEC Title V Permit 3-3348-00087/00005 as well as NYS DEC Title V Permit 3-3348-00197/00053.

Individual and total HAP emissions across all three (3) Title V Permits shall not exceed 10 and 25 tons respectively in any rolling twelve month period.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Proposed Language for Applicable Regulation 6 NYCRR 201-7.1:

Condition Y: Title V Permits

Applicable Federal Requirement: 6 NYCRR 201-6.1 (d)

Item Y.1:
Multiple title V facility permits will be issued for a facility upon request from an owner or operator for more than one permit. In no case shall the determination of whether a facility is subject to the requirement to

obtain an operating permit according to this section or the applicability of any requirement be affected by the application for, or issuance of, more than one title V facility permit.

Item Y.2:
Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

Proposed Language for Applicable Regulation 6 NYCRR 207-7:

Condition Z: Compliance Certification

Applicable Federal Requirement: 6 NYCRR 207-7

Item Z.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Demonstration applies to:

Racks:

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2G Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: R2C Emission Source: RACK2

Emission Unit: 1-RACK2 Emission Point: 00002
Process: VCU Emission Source: RACK2

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP

Item Z.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
Crude Oil throughput shall be limited to keep total HAP emissions less than 25 tons/yr and keep individual HAP emissions below 10 tons/year; that is, less than the applicability thresholds of 40 CFR 63, Subpart R. This absolves the facility from that NESHAP.

Emissions for this cap were calculated using the most current AP-42 emission factors, "TANKS" program, or other current emission factors. Throughput limits were calculated using a Marine Vapor Combustion Unit (Control: MVCU1) emission rate of 3 mg/l and another Marine Vapor Combustion Unit (Control: MVCU2) with an emission rate of 3 mg/l.

For operational flexibility purposes, this allotment can be converted to gallons of gasoline loading which will be controlled through Source ID: MVCU2. Each gallon of crude oil is equivalent to 0.563 gallons of gasoline.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: CRUDE OIL
Upper Permit Limit: 1,350,000,000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3348-00197/00053
Effective Date: 09/29/2009 Expiration Date: 09/28/2014

Permit Issued To:GLOBAL COMPANIES LLC
800 SOUTH STREET
WALTHAM, MA 02453

Facility: GLOBAL COMPANIES - SOUTH TERMINAL
1184 RIVER DR
NEW WINDSOR, NY 12553

Description:
The Warex South Terminal facility is a ~~gasoline and distillate oil~~ storage and distribution PETROLEUM terminal. The facility operates a loading rack used to fill cargo trucks with gasoline and distillate fuel. Vapors are recovered from the gasoline loading operation and controlled by a carbon absorber reduction unit.
ANNUAL PRODUCT THROUGHPUTS.
~~Distillate oil and gasoline throughputs~~ are limited by Federally Enforceable conditions established as part of initial permitting. The throughput limits support Hazardous Air Pollutant emissions are below major stationary source thresholds. The facility is subject to Title V permitting for potential emissions of volatile organic compounds above major stationary source thresholds.

The Warex South Terminal facility is subject to numerous monitoring, recordkeeping and reporting requirements outlined by permit conditions under federal and state regulation including but not limited to 6NYCRR 201, 6NYCRR 225, 6NYCRR 229, 40CFR Part 60-Ka and 40CFR Part 63-BBBBBB.

The Standard industrial Classification representative of this facility is 5171 - Petroleum Bulk Stations and Terminals.

Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KENNETH R GRZYB
NYSDEC REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

Condition 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 5.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 6: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:GLOBAL COMPANIES LLC
800 SOUTH STREET
WALTHAM, MA 02453

Facility: GLOBAL COMPANIES - SOUTH TERMINAL
1184 RIVER DR
NEW WINDSOR, NY 12553

Authorized Activity By Standard Industrial Classification Code:
5171 - PETROLEUM BULK STATIONS & TERMINALS

Permit Effective Date: 09/29/2009 Permit Expiration Date: 09/28/2014

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.5 (a) (7): Fees
3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.5 (e): Compliance Certification
7 6 NYCRR 202-2.1: Compliance Certification
8 6 NYCRR 202-2.5: Recordkeeping requirements
9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
10 6 NYCRR 200.7: Maintenance of Equipment
11 6 NYCRR 201-1.7: Recycling and Salvage
12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
19 6 NYCRR 202-1.1: Required Emissions Tests
20 6 NYCRR 211.3: Visible Emissions Limited
21 40 CFR Part 68: Accidental release provisions.
22 40CFR 82, Subpart F: Recycling and Emissions Reduction
23 6 NYCRR Subpart 201-6: Emission Unit Definition
24 6 NYCRR 201-7.1: Facility Permissible Emissions
*25 6 NYCRR 201-7.1: Capping Monitoring Condition
*26 6 NYCRR 201-7.1: Capping Monitoring Condition
*27 6 NYCRR 201-7.1: Capping Monitoring Condition
28 6 NYCRR 225-1.2 (a) (2): Compliance Certification
29 6 NYCRR 225-1.2 (a) (2): Compliance Certification
30 6 NYCRR 225-1.8 (d): Reports, Sampling and Analysis
31 6 NYCRR 225-3.3 (a): Compliance Certification
32 6 NYCRR 225-3.4 (a): Compliance Certification
33 6 NYCRR 225-3.4 (b): Compliance Certification
34 6 NYCRR 229.3 (d): Compliance Certification
35 6 NYCRR 229.4 (a): Compliance Certification
36 6 NYCRR 229.5: Compliance Certification
37 40CFR 60.112a, NSPS Subpart Ka: Compliance Certification
38 40CFR 60.115a(a), NSPS Subpart Ka: Compliance Certification
39 40CFR 63.11081(a), Subpart BBBBBB: Definition of an affected source
40 40CFR 63.11083(b), Subpart BBBBBB: Compliance date for an existing source
41 40CFR 63.11093, Subpart BBBBBB: Notifications (63.11093 a-d)

Emission Unit Level

42 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
43 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-RACKS

44 40CFR 63.11086(f), Subpart BBBBBB: Compliance Certification
45 40 CFR Part 64: Compliance Certification

EU=1-TANKS

46 40CFR 63.11086(f), Subpart BBBBBB: Compliance Certification

EU=1-TANKS,Proc=GAS

47 6 NYCRR 229.3 (a): Internal floating roofs required in fixed roof tanks storing petroleum products
48 6 NYCRR 229.3 (e) (1): VOL fixed roof storage tank requirements

EU=1-TANKS,Proc=GAS,ES=00021

49 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A

EU=1-TANKS,EP=00021

50 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level

51 ECL 19-0301: Contaminant List
52 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
53 6 NYCRR 211.2: Air pollution prohibited

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: **Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: **Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: **Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: **Property Rights - 6 NYCRR 201-6.5 (a) (6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: **Severability - 6 NYCRR 201-6.5 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: **Permit Shield - 6 NYCRR 201-6.5 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: **Reopening for Cause - 6 NYCRR 201-6.5 (i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is

three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: **Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York

(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: **Acceptable Ambient Air Quality**
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: **Fees**
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: **Recordkeeping and reporting of compliance monitoring**
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii)The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (2)

Item 4.1:
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum

frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (e)

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

i. Compliance certifications shall contain:
- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR Part 215

Item 9.1:
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:
Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:
The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:
The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 211.3

Item 20.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40 CFR Part 68

Item 21.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-RACKS
Emission Unit Description:
Loading Rack equipped with two bottom fill bays capable of loading gasoline. Vapors are recovered from tanker trucks and controlled by a carbon absorption unit.

Item 23.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 1-TANKS
Emission Unit Description:
~~Six (6)~~ SEVEN (7) storage tanks of different volumes capable of storing petroleum liquid or volatile organic liquids as those terms are defined in 6NYCRR Part 229. These tanks have external fixed roofs equipped with internal floating roofs. Tank identifications include:
TK021 - 766,710 gallons
TK022 - 270,480 gallons
TK023 - 269,850 gallons
TK025 - 280,770 gallons
TK026 - 1,959,090 gallons
TK030 - 756,840 gallons
TK027 - 2,152,290 gallons

The remaining tanks onsite are used to store distillate and residual fuels which are not subject to 6NYCRR 229, 40CFR 60-K and 40CFR 63-BBBBBB (effective January 2011).

Condition 24: Facility Permissible Emissions
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 24.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY100-00-0 PTE: 49,800 pounds per year
Name: HAP

Condition 25: Capping Monitoring Condition
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 25.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 25.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 25.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 25.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 25.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 25.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2	BENZENE
CAS No: 000100-41-4	ETHYLBENZENE
CAS No: 000108-88-3	TOLUENE
CAS No: 000110-54-3	HEXANE
CAS No: 000540-84-1	PENTANE, 2,2,4-TRIMETHYL-
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 001634-04-4	METHYL TERTBUTYL ETHER
CAS No: 0NY100-00-0	HAP

Item 25.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Individual and total HAP emissions shall not exceed 10 and 25 tons respectively in any rolling twelve month period.

In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month gasoline throughput of 177,143,000 gallons and a rolling twelve month total distillate fuel throughput of 900,000,000 gallons. AS WELL AS A ROLLING 12 MONTH TOTAL THROUGHPUT OF 1,350 MMGALS OF CRUDE.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 26.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 26.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 26.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 26.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 26.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 26.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 26.7:
Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month gasoline throughput of 177,143,000 gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: GASOLINE
Upper Permit Limit: 177,143,000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Capping Monitoring Condition
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 27.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item 27.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 27.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 27.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 27.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of

the Act.

Item 27.6:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 27.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
In support of capping individual and total HAP emissions, the facility is limited to a rolling twelve month total distillate fuel throughput of 900,000,000 gallons.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Upper Permit Limit: 900,000,000 gallons
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 28: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 28.1:
The Compliance Certification activity will be performed for the Facility.

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person shall use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 30: Reports, Sampling and Analysis
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 225-1.8 (d)

Item 30.1:
Sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the commissioner.

Condition 31: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 225-3.3 (a)

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Warex shall not sell or supply a gasoline to a retailer or wholesale purchaser-consumer, having a Reid vapor pressure greater than 9.0 pounds per square inch (psi) as sampled and tested by methods acceptable to the commissioner, during the period May 1st through September 15th of each year.

Parameter Monitored: REID VAPOR PRESSURE
Upper Permit Limit: 9.0 pounds per square inch absolute
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 225-3.4 (a)

Item 32.1:
The Compliance Certification activity will be performed for the Facility.

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Warex, as the owner or operator of a gasoline distribution terminal, must maintain records which includes the following:

(1) The RVP of the gasoline.

(2) A designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

(3) Written certification that the gasoline:

(i) conforms with all RVP and oxygen content requirements of this Subpart; and

(ii) is in compliance with all applicable State and Federal regulations which apply during the time period(s) specified pursuant to paragraph (3)of this subdivision.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 225-3.4 (b)

Item 33.1:
The Compliance Certification activity will be performed for the Facility.

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Warex shall provide the following records with gasoline which is distributed from the terminal:

(1) A copy of the certification required by 6NYCRR 225-3.4(a).

(2) Documentation of the maximum RVP of the gasoline if the gasoline was subject to section 225-3.3 of this Subpart.

(3) Designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.

(4) Documentation of the shipment quantity and the shipment date of the gasoline being distributed.

Monitoring Frequency: PER DELIVERY
Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 229.3 (d)

Item 34.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-RACKS Emission Point: RACK1
Process: RGS Emission Source: GSRKL

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 34.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The gasoline vapor collection and control system must capture gasoline vapors during loading and unloading of gasoline transport vehicles and must condense, absorb, adsorb, or combust gasoline vapors so emissions do not exceed 80 milligrams per liter (0.67 pounds/1000 gallons).

Future performance of the vapor control unit shall be governed by the requirements of 40CFR Part 63 - BBBBBB (effective January 2011).

Parameter Monitored: VOC
Upper Permit Limit: 80 milligrams per liter
Reference Test Method: See 6NYCRR 229.4(a)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 35: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 229.4 (a)

Item 35.1:
The Compliance Certification activity will be performed for the Facility.

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner and/or operator of a vapor collection and control system must follow notification requirements, protocol requirements and test procedures of 6 NYCRR Part 202 for testing and monitoring to determine compliance with the emission limits and control requirements required. Depending upon conditions at a test site, one of the following test methods from Appendix A of 40 CFR part 60 (see table 1, section 200.9) must be used to determine volatile organic compound (VOC) concentrations of a gas stream at the inlet and outlet of a control device:

(1) Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography.

(2) Method 25, Determination of Total Gaseous Organic Emissions as Carbon.

(3) Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.

(4) Methods not listed above must be approved in advance by the department's representative and the United States Environmental Protection Agency.

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 229.5

Item 36.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-RACKS

Emission Unit: 1-TANKS

Item 36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

~~Warex, as an owner or operator of a gasoline loading terminal, petroleum liquid storage tanks and volatile~~

THE FOLLOWING RECORDS MUST BE MAINTAINED AT THE FACILITY FOR A PERIOD OF 5 YEARS;

~~organic liquid storage tanks subject to this Part must maintain the following records at the facility for a period of five years;~~

(a) capacities of petroleum liquid storage tanks subject to section 229.3(a) or (b) of this Part, in gallons;

(b) average daily gasoline throughput for gasoline loading terminals subject to section 229.3(d) of this Part, in gallons per year; and

(c) capacities of volatile organic liquid storage tanks, subject to section 229.3 (e) of this Part in gallons.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 60.112a, NSPS Subpart Ka

Item 37.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-TANKS
Process: GAS Emission Source: 00021

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
~~Warex South Terminal~~ Tank 21 (petroleum liquid) is subject to the following:

A fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the

cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 38: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 60.115a(a), NSPS Subpart Ka

Item 38.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-TANKS
Process: GAS Emission Source: 00021

Item 38.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
~~Warex South~~ Terminal shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 39: Definition of an affected source
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 63.11081(a), Subpart BBBBBB

Item 39.1:
The affected source to which subpart BBBBBB applies is each area source bulk gasoline terminal, pipeline breakout station, pipeline pumping station, and bulk gasoline plant as identified below:

1) A bulk gasoline terminal that is not subject to the control requirements of 40CFR63, Subpart R or 40CFR63, Subpart CC.

2) A pipeline breakout station that is not subject to the control requirements of 40CFR63, subpart R.

3) A pipeline pumping station.

4) A bulk gasoline plant.

Condition 40: Compliance date for an existing source
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 63.11083(b), Subpart BBBBBB

Item 40.1:
An existing affected source must comply with the standards of this subpart no later than January 10, 2011.

Condition 41: Notifications (63.11093 a-d)
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 63.11093, Subpart BBBBBB

Item 41.1:
(a) Each owner/operator of an affected source under subpart BBBBBB must submit an initial notification as specifiedin §63.9(b). If the facility is in compliance with the requirements of subpart BBBBBB at the time the initial notification is due, the notification of compliance status required under (b) of this condition may be submitted in lieu of the initial notification.

(b) Each owner/operator of an affected source under subpart BBBBBB must submit a notification of compliance status as specified in §63.9(h). The notification of compliance status must specify which of the compliance options included in table 1 of subpart BBBBBB that is used to comply with the subpart.

(c) Each owner/operator of an affected bulk gasoline terminal under subpart BBBBBB must submit a notification of performance test, as specified in §63.9(e), prior to initiating testing required by §63.11092(a) or §63.11092(b).

(d) Each owner/operator of any affected source under subpart BBBBBB must submit additional notifications specified in §63.9, as applicable.

****** Emission Unit Level ******

Condition 42: Emission Point Definition By Emission Unit
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 42.1:
The following emission points are included in this permit for the cited Emission Unit:

ADD EMISSION UNIT 1-BOLR1. SEE APPLICATION FORMS.

Emission Unit: 1-RACKS

Emission Point: RACK1
Height (ft.): 15 Diameter (in.): 36
NYTMN (km.): 4595.2 NYTME (km.): 582.7

Item 42.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-TANKS

Emission Point: 00021
Height (ft.): ~~42~~ ~~Length (in.): 12~~ ~~Width (in.): 360~~
NYTMN (km.): 4595.2 NYTME (km.): 582.7
Height (ft.): 40 Diameter (in.): 720

Emission Point: 00022
Height (ft.): ~~43~~ ~~Length (in.): 18~~ ~~Width (in.): 127~~
NYTMN (km.): 4595.2 NYTME (km.): 582.7
Height (ft.): 41 Diameter (in.): 420

Emission Point: 00023
Height (ft.): ~~43~~ ~~Length (in.): 12~~ ~~Width (in.): 186~~
NYTMN (km.): 4595.2 NYTME (km.): 582.7
Height (ft.): 42 Diameter (in.): 420

Emission Point: 00025
Height (ft.): ~~56~~ ~~Length (in.): 12~~ ~~Width (in.): 210~~
NYTMN (km.): 4595.2 NYTME (km.): 582.7
Height (ft.): 48 Diameter (in.): 402

Emission Point: 00026
Height (ft.): ~~46~~ ~~Length (in.): 12~~ ~~Width (in.): 317~~
NYTMN (km.): 4595.2 NYTME (km.): 582.7
Height (ft.): 45 Diameter (in.): 1080

Emission Point: 00027
Height (ft.): 45 Diameter (in.): 1080
NYTMN (km.): 4595.2
NYTME (km.): 582.7

Emission Point: T0030
Height (ft.): ~~40~~ ~~Length (in.): 12~~ ~~Width (in.): 278~~
NYTMN (km.): 4595.224 NYTME (km.): 582.732
Height (ft.): 40 Diameter (in.): 720

Condition 43: Process Definition By Emission Unit
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACKS
Process: RGS Source Classification Code: 4-04-002-50
Process Description:
Submerged filling of petroleum liquid or volatile organic liquids as those terms are defined in 6NYCRR Part 229 within cargo tanker trucks. Vapors displaced during the filling process are collected and controlled.

Emission Source/Control: VPORS - Control
Control Type: VAPOR RECOVERY SYSTEM (VAPOR ADSORPTION/ABSORPTION UNIT)

Emission Source/Control: GSRKL - Process

Item 43.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-TANKS
Process: GAS Source Classification Code: 4-04-001-60
Process Description:
Storage of petroleum liquid or volatile organic liquids as those terms are defined in 6NYCRR Part 229.

Emission Source/Control: 00021 - Process
Design Capacity: 766,710 gallons

ADD CONTROL ID.
SEE APPLICATION FORMS.

Emission Source/Control: 00022 - Process
Design Capacity: 270,480 gallons

Emission Source/Control: 00023 - Process
Design Capacity: 269,850 gallons

Emission Source/Control: 00025 - Process
Design Capacity: 280,780 gallons

Emission Source/Control: 00026 - Process
Design Capacity: 1,959,090 gallons

Emission Source/Control: T0030 - Process
Design Capacity: 756,840 gallons

ADD PROCESS VOL.
SEE APPLICATION FORMS.

Condition 44: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 63.11086(f), Subpart BBBBBB

Item 44.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility must submit a Notification of Compliance Status to the applicable EPA Regional Office and NYSDEC, as specified in §63.13, by the compliance date listed in §63.11083, unless the facility meets the requirements in §63.11086(g).

The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy and must indicate whether the source has complied with the requirements of subpart BBBBBB.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40 CFR Part 64

Item 45.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
COMPLIANCE ASSURANCE MONITORING PLAN
DEC ID#3343800197
WAREX TERMINALS CORPORATION - SOUTH TERMINAL

MAINTENANCE AND TROUBLESHOOTING PROCEDURES

In order to maintain the most efficient operation of the units and provide a reasonable assurance of compliance with the emission limitation and standards in accordance with 40CFRPart 64, Warex Terminals Corporation has

instituted a regular inspection and maintenance procedure for the vapor control unit. This procedure also conforms to the recommended general maintenance procedures of the manufacturer. This inspection and maintenance procedure is as outlined below.

Daily Inspections:

Inspections are done each day for the following:
1. Verify that the carbon beds are cycling from atmospheric pressure to vacuum.
2. Check to ensure that all pressure gauges are reading within normal ranges.
3. Verify that normal flow exists on the rotometers feeding the vacuum pumps.
4. Check to ensure that no unusual noises are coming from the operating equipment.

Weekly Inspections:
1. Check for normal levels in the gauge glasses on the separator and absorber.
2. Check the temperatures of the streams entering and leaving the heat exchanger and the vacuum pumps for normal operating ranges.
3. Check the carbon bed temperature.
4. Verify that all annunciation lamps work.
a. Push the lamp test pushbutton on the main control panel. All of the lights should burn.
b. Replace the lights that do not turn on.
5. Check the hour meter to verify that it is accumulating time and record the reading.
6. Record the highest vacuum reading observed at the end of the cycle on each bed.

Monthly Inspections:

Inspections are done once each month for the following:

1. Check operation of the front panel lights.
2. Visually inspect the carbon beds.
3. Check all air gauges for proper operation.
4. Gauge the level in the knock-out tank.
5. Check the shutdown circuit for proper operation by creating as fault to ensure proper system shutdown.
A detailed description of how to check each shutdown is provided in the "Startup" Section of the unit manual.

Quarterly Inspection:

The following inspections are done on a quarterly basis:

1. Check the gasoline flow rate through the control valve against the correct setting as listed in the Operating Set Points section of the Data Book.
a. If the flow has drifted, adjust back to the design flow by turning the pilot valve either clockwise or counter-clockwise until the design flow is established.
b. If the flow cannot be set with the pilot valve, adjust the needle valve until near the design flow and control the flow above or below the design setting with the pilot valve.
2. Once the design flow has been reset, check the pressure on the pressure gauge on the gasoline line going up the absorber tower against the correct setting listed in the Operating Set Points sections of the Data Book.
a. If necessary, reset the absorber pressure by adjusting the globe valve in the gasoline line to the heat exchanger.
b. Recheck the flow control valve. If it drifts after the absorber pressure is reset, adjust the flow accordingly.

Semi-Annual Inspections:

The following inspections are done two times each year:

1. Check the level of carbon in the carbon beds.

a. Shut the unit down.
b. Open the 6" filling hole covers on top of the carbon beds.
c. The carbon level should be at the bottom of the purge sparger.
d. Check the specific gravity of the anti-freeze/water solution in accordance with the Specific Gravities of Aqueous Ethylene Glycol Solutions chart in the Data Book.
e. Check the high/low level switches to ensure that scum has not build up on the rods.
f. Lubricate the motor per the manufacturer's instructions in the Vendor section of the data book.

Copies of all inspection records and records of work performed by contractors shall be available at the Terminal Managers office.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 63.11086(f), Subpart BBBBBB

Item 46.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility must submit a Notification of Compliance Status to the applicable EPA Regional Office and NYSDEC, as specified in §63.13, by the compliance date listed in §63.11083, unless the facility meets the requirements in §63.11086(g).

The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy and must indicate whether the source has complied with the requirements of subpart BBBBBB.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 47: Internal floating roofs required in fixed roof tanks storing petroleum products
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 229.3 (a)

Item 47.1:
This Condition applies to Emission Unit: 1-TANKS
Process: GAS

Item 47.2:

No person may store petroleum liquid in a fixed roof tank subject to 6 NYCRR Part 229 unless:

1. the tank has been retrofitted with an internal floating roof or equivalent control; and

2. the vapor collection and vapor control systems are maintained and operated in such a way as to ensure the integrity and efficiency of the system.

Condition 48: VOL fixed roof storage tank requirements
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:6 NYCRR 229.3 (e) (1)

Item 48.1:
This Condition applies to Emission Unit: 1-TANKS
Process: GAS

Item 48.2:
For a fixed roof storage tank storing volatile organic liquids, the tank must be equipped with an internal floating roof with a liquid-mounted primary seal and gasket fittings or equivalent control. Replacement of other than liquid-mounted seals is to be performed when the tank is cleaned and gas-free for other purposes.

Condition 49: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 49.1:
This Condition applies to Emission Unit: 1-TANKS
Process: GAS Emission Source: 00021

Item 49.2:
This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 50: Recordkeeping requirements.
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 50.1:
This Condition applies to Emission Unit: 1-TANKS Emission Point: 00021

Item 50.2:
Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 51: Contaminant List
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable State Requirement:ECL 19-0301

Item 51.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000071-43-2
Name: BENZENE

CAS No: 000100-41-4
Name: ETHYLBENZENE

CAS No: 000108-88-3
Name: TOLUENE

CAS No: 000110-54-3
Name: HEXANE

CAS No: 000540-84-1
Name: PENTANE, 2,2,4-TRIMETHYL-

CAS No: 001330-20-7
Name: XYLENE, M, O & P MIXT.

CAS No: 001634-04-4
Name: METHYL TERTBUTYL ETHER

CAS No: 0NY100-00-0
Name: HAP

CAS No: 0NY998-00-0
Name: VOC

Condition 52: Unavoidable noncompliance and violations
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable State Requirement:6 NYCRR 201-1.4

Item 52.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon

as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 53: Air pollution prohibited
Effective between the dates of 09/29/2009 and 09/28/2014

Applicable State Requirement:6 NYCRR 211.2

Item 53.1:
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

ADD PROPOSED LANGUAGE ; ATTACHED

16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.453.2204
www.envirospeceng.com

Global New Windsor Terminals
Proposed Permit Language – South Terminal

Proposed Language for Applicable Regulation 6 NYCRR 231-11.2 (c):

Condition X: Compliance Certification

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item X.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Demonstration applies to:

Tanks:
Emission Unit: 1-TANKS
Process: VOL Emission Source: TK027

Item X.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with Clause 231-4.1(b)(40)(i)(c) of this Part are added, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:
(i) a description of the modification.
(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.
(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.
(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:
(i) the name, address, and telephone number of the major facility.
(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Condition X in Title V Facility Permit No. 3-3348-00111/00023 and Condition X in Title V Facility Permit No. 3-3348-00087/00005 should be monitored and reported in conjunction with this condition to demonstrate actual emissions do not exceed the Significant Project Threshold.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Proposed Language for Applicable Regulation 6 NYCRR 201-7.1:

Condition Y: Capping Monitoring Condition

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item Y.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR Part 63, Subpart R

Item Y.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item Y.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item Y.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item Y.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item Y.6:
The Compliance Certification activity will be performed for the Facility.
Regulated Contaminant(s):
CAS No: 000067-56-1 METHYL ALCOHOL
CAS No: 000071-43-2 BENZENE
CAS No: 000100-41-4 ETHYLBENZENE
CAS No: 000108-88-3 TOLUENE
CAS No: 000110-54-3 HEXANE
CAS No: 000540-84-1 PENTANE, 2,2,4-TRIMETHYL
CAS No: 001330-20-7 XYLENE, M, O & P MIXT.
CAS No: 001634-04-4 METHYL TERTBUTYL ETHER
CAS No: 0NY100-00-0 HAP

Item Y.7:
Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING / MAINTENANCE PROCEDURES

Monitoring Description:
For the purposes of 40 CFR Part 63, Subpart R applicability, NYS DEC Title V Permit 3-3348-00111/00023 must be reviewed in conjunction with NYS DEC Title V Permit 3-3348-00087/00005 as well as NYS DEC Title V Permit 3-3348-00197/00053.

Individual and total HAP emissions across all three (3) Title V Permits shall not exceed 10 and 25 tons respectively in any rolling twelve month period.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition Z: Title V Permits

Applicable Federal Requirement: 6 NYCRR 201-6.1 (d)

Item Z.1:
Multiple title V facility permits will be issued for a facility upon request from an owner or operator for more than one permit. In no case shall the determination of whether a facility is subject to the requirement to obtain an operating permit according to this section or the applicability of any requirement be affected by the application for, or issuance of, more than one title V facility permit.

Item Z.2:
Global Companies LLC - Newburgh Terminal operating under Title V Facility Permit No. 3-3348-00111/00023, Global Companies LLC - North Terminal operating under Title V Facility Permit No. 3-3348-00087/00005, and Global Companies LLC - South Terminal operating under Title V Facility Permit No. 3-3348-00197/00053 shall be considered one facility.

Attachment H

GLOBAL COMPANIES

PRODUCT TERMINAL EMISSION REPORT
SIC CODE 5171

Newburgh

Report Purpose
2013 PTE

Version Date
7/9/2013

Emission Unit Overview

Description	VOC Tank Emissions	VOC Tank Landing Emissions	VOC TOTAL TANK EMISSIONS	HAP Tank Emissions	HAP Tank Landing Emissions	HAP TOTAL TANK EMISSIONS	SINGLE HAP Hexane Tank Emissions	SINGLE HAP Hexane Tank Landing Emissions	SINGLE HAP Hexane TOTAL TANK EMISSIONS
Gasoline Storage (RFG)									
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU			
	0.000		0.000	0.000		0.000	0.000		0.000
IFR Storage Tanks									
Tank 12	3.254	1.637	4.891	0.191	0.096	0.287	0.129	0.065	0.194
Tank 13	2.682	1.203	3.885	0.157	0.070	0.228	0.106	0.048	0.154
Tank 17	1.962	0.535	2.497	0.115	0.031	0.146	0.078	0.021	0.099
Tank 27	3.930	2.414	6.344	0.088	0.054	0.143	0.018	0.011	0.029
Tank 28	5.772	3.341	9.113	0.338	0.196	0.534	0.229	0.132	0.361
Tank 30	7.285	4.811	12.097	0.427	0.282	0.709	0.288	0.191	0.479
Tank 29**	3.607	1.297	4.904	0.254	0.076	0.330	0.143	0.051	0.194
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tank Cleaning	12.616		12.616	0.284		0.284	0.019		0.019
Gasoline Loading (CNV)	Gasoline Loading Emssions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU			
Truck Loading Fugitive	16.689		16.689	0.375		0.375	0.077		0.077
Truck Loading Stack	20.861		20.861	0.469		0.469	0.096		0.096
Rail Loading Fugitive	0.000		0.000	0.000		0.000	0.000		0.000
Rail Loading Stack	0.000		0.000	0.000		0.000	0.000		0.000
Distillate Service	Distillate Tank Emissions		TOTAL TANK EMISSIONS	Distillate Tank Emissions		TOTAL TANK EMISSIONS			
Tank 16	0.084		0.084	0.000		0.000	0.000		0.000
Tank 25	0.848		0.848	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Tank 31	0.004		0.004	0.000		0.000	0.000		0.000
Tank 32	0.001		0.001	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Truck Loading	1.419		1.419	0.123		0.123	0.000		0.000
Rail Loading	0.000		0.000	0.000		0.000	0.989		0.989
Product / Water Mixture Tank	7.940		7.940	0.179		0.179	0.012		0.012
CNV Equipment Fugitives	0.201		0.201	0.018		0.018	0.001		0.001
Marine Loading	28.824		28.824	0.989		0.989	0.133		0.133
Additive Tank Emissions	0.063		0.063	0.063		0.063			
TOTAL OF SOURCES			133.28			4.88			2.84

Total VOCs	133.28	tons/yr
Total HAPs	4.88	tons/yr
Total Hexane	2.84	tons/yr

*Modeled as Ethanol Only

TANK STORAGE, CLEANING AND LOADING RACK

RFG Tank No.	lb/yr	Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	Methanol	Page Total Hap	Landing Total Hap	Total HAP
		-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-	-	-
		-	-	-	-	-	-	-						-	-	-
	Gasoline Loading Emissions															
Gasoline Loading (RFG)														-	-	-
Truck Loading		0	0	0	0	0	0	0						-	-	-
Rail Loading														-	-	-
Gasoline Storage (Conv)														-	-	-
Tank 12		64	2	258	26	N/A	25	7	N/A	N/A	N/A	N/A	-	381	192	573
Tank 13		53	2	212	21	N/A	20	5	N/A	N/A	N/A	N/A	-	314	141	455
Tank 17		39	1	155	16	N/A	15	4	N/A	N/A	N/A	N/A	-	230	63	293
Tank 27		39	3	36	44	N/A	42	12	N/A	N/A	N/A	N/A	-	177	109	285
Tank 28		114	3	457	46	N/A	44	12	N/A	N/A	N/A	N/A	-	676	392	1,068
Tank 30		144	4	577	58	N/A	55	15	N/A	N/A	N/A	N/A	-	854	564	1,418
Tank 29**		71	2	286	29	N/A	27	7	N/A	N/A	N/A	N/A	85	508	152	660
		-	-	-	-	N/A	-	-	N/A	N/A	N/A	N/A	-	-	-	-
		-	-	-	-	N/A	-	-	N/A	N/A	N/A	N/A	-	-	-	-
		-	-	-	-	N/A	-	-	N/A	N/A	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 Cleaning		126	10	116	141	N/A	136	38	-	-	-	-		568	-	568
														-	-	-
	Gasoline Loading Emissions													-	-	-
Gasoline Loading (CNV)														-	-	-
Truck Loading Fugitive		167	13	154	187	0	180	50						751	-	751
Truck Loading Stack		209	17	192	234	0	225	63						939	-	939
Rail Loading Fugitive		0	0	0	0	0	0	0						-	-	-
Rail Loading Stack		0	0	0	0	0	0	0						-	-	-
	Distillate Tank Emissions															
Distillate Service														-	-	-
Tank 16		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
Tank 25		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
Tank 31		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
Tank 32		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
		0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	-	-	-
Truck Loading		6.0	8.8	N/A	N/A	N/A	67.0	163.7	0.0	0.0	0.0	1.4	0.0	247	-	247
Rail Loading		0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
														-	-	-
														-	-	-
Misc. Sources														-	-	-
Product / Water Mixture Tank		79	6	73	89	0	86	24	0	0	0	0	0	357	-	357
CNV Equipment Fugitives		3	2	2	6	0	11	12	0	0	0	0	0	37	-	37
Marine Loading		288	23	265	323	0	311	86	0	0	0	0	680	1,977	-	1,977
Additive Tank Emissions			33					92						125	-	125
Total of all Sources														8,142	1,612	9,753
lb/yr		1682	141	3821	1350	0	1370	622	0	0	0	2	765			
Tons/yr		0.84	0.07	1.91	0.68	-	0.68	0.31	-	-	-	0.00	0.38	-		
	9,753.30	lb/yr														
	4.88	ton/yr														

TANK LANDINGS

RFG Tank No.	Lb/yr Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	Methanol*	Page Total Hap
0	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
0	-	-	-	-	-	-	-						-
													-
													-
Gasoline Storage (Conv)													-
Tank 12	32	1	130	13	-	12	3	N/A	N/A	N/A	N/A	N/A	192
Tank 13	24	1	95	10	-	9	2	N/A	N/A	N/A	N/A	N/A	141
Tank 17	11	0	42	4	-	4	1	N/A	N/A	N/A	N/A	N/A	63
Tank 27	24	2	22	27	-	26	7	N/A	N/A	N/A	N/A	N/A	109
Tank 28	66	2	265	27	-	25	7	N/A	N/A	N/A	N/A	N/A	392
Tank 30	95	3	381	38	-	37	10	N/A	N/A	N/A	N/A	N/A	564
Tank 29**	26	1	103	10	-	10	3	N/A	N/A	N/A	N/A	N/A	152
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
													-
													-
													-
													-
													-
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													-
													-
													-
													-
													-
													-
													-
													-
													-
													-
													-
TOTAL OF SOURCES	**lb/yr**	278	10	1,038	130	-	124	33	-	-			1,612
	Tons/yr	0.139	0.005	0.519	0.065	0.000	0.062	0.016					0.806
Total (inc Landings)	1611.65												
	0.81												

2013 PTE

	Stored	Rack Loaded	Rail Loaded	Ship/Barge Loaded		Sent Up Pipeline	
Conventional Gasoline	500,000,000	500,000,000	-	-		-	gal
RFG Gasoline (MTBE)						-	gal
RFG Gasoline (Ethanol)							
% of Gasoline as RFG (MTBE) (2)							0%
*** Total Gasoline (auto fuel)	500,000,000	500,000,000	-	-		-	gal
Crude	1,350,000,000			1,350,000,000		-	gal
Ethanol	-			-		-	gal
Distillate	200,000,000	200,000,000	-			-	gal
Facility Total	2,050,000,000	700,000,000	0	1,350,000,000	0	0	
	Actual	Calculated					
Total Additive Used		420,000	gal		Product-water		gal

RFG Gasoline Tanks

Tk. No.	Dia	Leg ht	no land	land av	Vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
						-	-		-	
							Average Turnovers			

Tk No	VOC's from Tanks(lb/yr) Standing	Working	Total	Ozone	Highest
			-		

IFR Tanks

Tk. No.	Dia	Leg ht	no land	land avg days	Vol bbls	Volume gals	Actual Thruputs	Turnovers	Calculated Thruputs	gal/day
12	70	4	3	3.0	21,603	907,326	-	60.2	54,633,601.1	149,681
13	60	4	3	3.0	11,213	470,946	-	60.2	28,357,476.7	77,692
17	40	4	3	3.0	5,094	213,948	-	60.2	12,882,635.0	35,295
27	85	4	3	3.0	44,488	1,868,496	-	60.2	112,509,357.2	308,245
28	100	4	3	3.0	41,000	1,722,000	-	60.2	103,688,267.5	284,077
30	120	4	3	3.0	74,310	3,121,020	-	60.2	187,928,662.5	514,873
29**	140	3	1	2.0	111,330	4,675,860	-	144.4	675,000,000.0	1,849,315
-	-	-	-	-	-	-	-	0.0	0.0	0
-	-	-	-	-	-	-	-	0.0	0.0	0
-	-	-	-	-	-	-	-	0.0	0.0	0
						8,303,736	-		1,175,000,000	
								Average Turnovers	141.5	
								Total IFR Tank Throughput	1,175,000,000	

Tk No	VOC's from Tanks (lb/yr) Standing	Working	Total	Ozone	Highest
12	6358	149	6,507		
13	5274	91	5,364		
17	3863	62	3,925		
27	7607	253	7,859		
28	11,337	207	11,544		
30	14,258	313	14,570		
29**	2,277	4,938	7,215		
0			-		
0			-		
0			-		
			56,985		

*Modeled as Ethanol Only

**Modeled as Crude Oil Only. Other half of throughput included on South Terminal PTE.

INPUTS

Distillate Tanks

Tk. No.	Dia	vol bbls	Volume gals	Actual Thruputs (2)	Turnover's	Calculated Thruputs	gal/day
16	40	5,150	216,300		122.3	26,448,039	72,460
25	85	33,580	1,410,360		122.3	172,451,487	472,470
		-				0	0
31	6	190	8,000		122.3	978,198	2,680
32	4	24	1,000		122.3	122,275	335
Pct Top Loading Distillate		0%	1,635,660	-		200,000,000	
				Average Turnovers		122.3	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest
16	6	162	168		
25	192	1503	1,696		
			-		
31	1	7	8		
32	0	1	1		
			1,872.5		

Additive Tanks

Tk. No.	Dia	vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
1		190	8,000		17.610	140,880.50	386
9		48	2,000		17.610	35,220.13	96
11		286	12,000		17.610	211,320.75	579
A1		24	1,000		17.610	17,610.06	48
A2		12	500		17.610	8,805.03	24
A3		8	350		17.610	6,163.52	17
			23,850	0	Total Additive	420,000	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest
1	12	30	41		
9	3	7	11		
11	18	44	63		
A1	2	4	5		
A2	1	2	3		
A3	1	2	3		
			125		

Product Water/Mixture tanks

Tk. No.	Dia	vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
26	25	2,816	118,272		12.0	1,419,264	3,888

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest
26	4,415	11,464	15,879		
			-		

Gasoline Loading Control

Control Device Level

Truck Rack	10.0	mg/l	VDU
Rail Loading		mg/l	

Meteorological Data Used: NY, NY

Liquid Density in Apr from Tanks 4.0: 5.6 lb/gal

May temp from Tanks 4.0: 60.560 deg F

VP of VOC in Apr from Tanks 4.0: 7.55

MW of VOC in Apr from Tanks 4.0: 60 g/g-mole

Saturation Factor for landing: 0.6

Average days per landing: 3.0

Speciation Data from

	Distillate Tank	Gas tank	Additive tank
Tank No.			
Benzene			
Ethylbenzene			
Hexane			
Isooctane			
MTBE			
Toluene			
Xylene (-m)			
Biphenyl			
Cresol (-o)			
Cumene			
Naphthalene			
Total VOC			

	Data used for Calculated Fugitives		
	Tanks	Bays	
Gasoline (RFG)	0	0	Using Calculated Values
Gasoline (CNV)	6	2	
Distillate (DIST)	5	3	If using 'Actual Values' then leave table empty

0.1 fraction of the fugitive valve/flange count assigned to the vapor phase

	RFG in Liquid Phase		RFG in Vapor Phase		CNV in Liquid Phase		CNV Gas Phase		DIS	
	Calculated	Actual	Calculated	Actual	Calc	Actual	Calc	Actual	Calc	Actual
Valves	-	-	-		86		10		117	
Pumps	-				3				4	
Other										
Loading Arm Valve	-				6				9	
Flanges	-	-	-	-	322	-	35	-	436	-

	12	13	17	27	28	30	29**	-	-	-	-	-	Total Thruput		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	54,633,601	28,357,477	12,882,635	112,509,357	103,688,268	187,928,662	675,000,000	-	-	-	-	-	##########	gal/yr	
Throughput (Bbl / Yr):	1,300,800	675,178	306,729	2,678,794	2,468,768	4,474,492	16,071,429	-	-	-	-	-	27,976,190	bbl/yr	
	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year								Lb / Year	Tons /Year
Total VOC**	6,507	5,364	3,925	7,859	11,544	14,570	7,215	-	-	-	-	-		56,985	28.49
Benzene	64	53	39	39	114	144	71	-	-	-	-	-		526	0.26
Ethylbenzene	2	2	1	3	3	4	2	-	-	-	-	-		18	0.01
Hexane	258	212	155	36	457	577	286	-	-	-	-	-		1,982	0.99
Isooctane	26	21	16	44	46	58	29	-	-	-	-	-		241	0.12
MTBE														-	
Toluene	25	20	15	42	44	55	27	-	-	-	-	-		229	0.11
Xylene (-m)	7	5	4	12	12	15	7	-	-	-	-	-		61	0.03
Biphenyl														-	-
Cresol (-o)														-	-
Cumene														-	-
Naphthalene														-	-
Methanol*							85							85	0.04
Total HAP Species	381	314	230	177	676	854	508	-	-	-	-	-		3,141	1.57
Non Hap VOC	6,126	5,050	3,695	7,682	10,868	13,716	6,707	-	-	-	-	-		53,844	26.92

Total VOC:	6,507	5,364	3,925	7,859	11,544	14,570	7,215	-	-	-	-	-		56,985	28.49
Source Fraction Total VOC:	0.11	0.09	0.07	0.14	0.20	0.26	0.13	-	-	-	-	-			
Total HAP	381	314	230	177	676	854	508	-	-	-	-	-		3,141	1.57
SINGLE HAP: Hexane	258	212	155	44	457	577	286	-	-	-	-	-			
Source Fraction HAP:	0.12	0.10	0.07	0.06	0.22	0.27	0.16	-	-	-	-	-			

* Modeled as Ethanol

** Emissions from EPA Tanks 4.0 program.

	16	25	0	31	32						Total Thruput		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	26,448,039	172,451,487	-	978,198	122,275	-	-	-	-	-	200,000,000	gal/yr	
Throughput (Bbl / Yr):	629,715	4,105,988	-	23,290	2,911	-	-	-	-	-	4,761,905	bbl/yr	
	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year							Lb / Year	Tons /Year
Total VOC**	168	1,696	-	8	1	-	-	-	-	-		1,873	0.94
Benzene	-	-	-	-	-	-	-	-	-	-		-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-		-	-
Hexane												-	-
Isooctane												-	-
MTBE												-	-
Toluene	-	-	-	-	-	-	-	-	-	-		-	-
Xylene (-m)	-	-	-	-	-	-	-	-	-	-		-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-		-	-
Cresol (-o)	-	-	-	-	-	-	-	-	-	-		-	-
Cumene	-	-	-	-	-	-	-	-	-	-		-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-		-	-
Methanol*	-	-	-	-	-	-	-	-	-	-		-	-
Total HAP Species	-	-	-	-	-	-	-	-	-	-		-	-
Non Hap VOC	168	1,696	-	8	1	-	-	-	-	-		1,873	0.94

Total VOC:	168	1,696	-	8	1	-						1,873	0.94
Source Fraction Total VOC:	0.09	0.91	-	0.00	0.00	-	-	-	-	-		1	
SINGLE HAP: Benzene:	-	-	-	-	-	-	-	-	-	-		-	-
Total HAP:	-	-	-	-	-	-	-	-	-	-		-	-
Source Fraction HAP:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	

* Emissions from EPA Tanks 4.0 program.

	1	9	11	A1	A2	A3	0	0	0	0	0	0	0	Total		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	140,881	35,220	211,321	17,610	8,805	6,164	-	-	-	-	-	-	-	420,000	gal/yr	
Throughput (Bbl / Yr):	3,354	839	5,031	419	210	147	-	-	-	-	-	-	-	10,000	bbl/yr	
	lb/year	lb/year	lb/year	lb/year	lb/year	lb/year									lb/year	tons/year
Total VOC**	41	11	63	5	3	3	-	-	-	-	-	-	-		125.36	0.06
Benzene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Ethylbenzene	10.9	2.8	16.6	1.4	0.7	0.7	-	-	-	-	-	-	-		33.10	0.02
Hexane	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Isooctane	N / A	N / A	N / A	N / A	N / A	N / A									-	-
MTBE	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Toluene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Xylene (-m)	30.5	7.8	46.2	3.8	1.9	2.0	-	-	-	-	-	-	-		92.26	0.05
Biphenyl	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Cresol (-o)	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Cumene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Naphthalene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Methanol*	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Total HAP Species	41	11	63	5	3	3	-	-	-	-	-	-	-		125	0.06
Non Hap VOC	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-

Calculated using 23% ethyl benzene & 77% xylene(-m)

Sample Calculation for Additive thruput

use 0.6 gal of additive for each gal of LOADED gasoline and distillate

Total Additive thruput = (Total Loading Volume / 1000)*(0.6)

= (500,000,000 gallons / 1000)*(0.6)

= 300,000 gallons

* Emissions from EPA Tanks 4.0 program.

Loading Summary

	TRUCK LOADING				Rail Loading			Marine Loading			Total	
	Gasoline		Distillate	Total	Gasoline	Distillate	Total	Crude Oil	Gas / Eth	Total	lb/yr	Tons/yr
	RFG	CNV										
Total VOC lb/yr	0	75,100	2,837	77,937	0	0	0	57,649	0	57,649	135,585	67.79
Benzene	0	375	6	381	0	0	0	288	0	288	670	0.33
Ethylbenzene	0	30	9	39	0	0	0	23	0	23	62	0.03
Hexane (-n)	0	345	-	345	0	-	0	265	0	265	611	0.31
Iso-octane	0	421	-	421	0	-	0	323	0	323	743	0.37
MTBE	0	-	-	0	-	-	-	0	0	0	0	0.00
Toluene	0	406	67	472	0	0	0	311	0	311	784	0.39
Xylene (-m)	0	113	164	276	0	0	0	86	0	86	363	0.18
Biphenyl	-	-	0	0	-	0	0	-	-	0	0	0.00
Cresol	-	-	0	0	-	0	0	-	-	0	0	0.00
Cumeme	-	-	0	0	-	0	0	-	-	0	0	0.00
Naphthalene	-	-	1	1	-	0	0	-	-	0	1	0.00
Phenol	-	-	0	0	-	0	0	-	-	0	0	0.00
Methanol	-	-	-	-	-	-	-	680	-	680	680	0.34
Total HAP Species*	0	1,690	247	1,937	0	0	0	1,977	0	1,977	3,914	1.96
Non Hap VOC	0	73,410	2,590	76,000	0	0	0	55,671	0	55,671	131,672	65.84

Load CNV-Truck

				Loading Losses 10mg/l		Tank-truck loss 8 mg/l		Total	
			Vapor Fraction	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.
Gasoline Throughput at the Rack (MM gal)	500.0		Total VOC	100.00%	41,722	20.861	33,378	16.689	75,100	37.550
			Benzene	0.50%	209	0.104	167	0.083	375	0.188
Distillate bottom loading vapors are controlled			Ethylbenzene	0.04%	17	0.008	13	0.007	30	0.015
emissions from this loading are negligible			Hexane (-n)	0.46%	192	0.096	154	0.077	345	0.173
			Iso-octane	0.56%	234	0.117	187	0.093	421	0.210
VRU Emission Rating (mg/liter)	10.00		MTBE	N/A		-		-	-	0.000
			Toluene	0.54%	225	0.113	180	0.090	406	0.203
Tank-Truck Loss Factor (mg/liter)	8		Xylene (-m)	0.15%	63	0.031	50	0.025	113	0.056
			Biphenyl	N/A					-	
Controlled gasoline Loading Losses (lb/year)	41,722		Cresol	N/A					-	
			Cumeme	N/A					-	
Uncontrolled gasoline Loading Losses (lb/year)	5,421,450		Naphthalene	N/A					-	
			Phenol	N/A					-	
			Total HAP Species*	2.25%	939	0.469	751	0.375	1,690	0.845
			Non Hap VOC	97.75%	40,783	20.392	32,627	16.313	73,410	36.705
Temp. used in uncontrolled loading calculation	60.56 F									
	520.56 R		Total VOC		41,722	20.861	33,378	16.689	75,100	37.550
			Total HAP		939	0.469	751	0.375	1,690	0.845
PTE Vapor Control Down Time lb/yr	-		Highest Single HAP							
(tons/year)	0.0		Iso-octane		234	0.117	187	0.093	421	0.210

Sample Calculations

Volume Of Gasoline loaded (gallons)*3.785 litres/gallon*(VRU/VDU emission rate (mg/liter of gasoline loaded) + gasoline loading losses (mg/liter of gasoline loaded))*2.2046 lbs/Kg*1 Kg/1,000,000 mg = emissions (lbs)

For 100,000,000 gallons loaded, and a VDU rated at 10 mg/liter the equation yields:

100,000,000*3.785*(10+8)*2.2046*1/1,000,000 = 15,020 lbs

Uncontrolled Loading Emissions Factor, L = 12.46 SPM/T in lb VOC/1,000 gallons product loaded
for S = 1 (dimensionless); VP = 5.73 psia of VOC; M = 65 lb/lb-mole; T= 530 deg R
= 12.46*(1)*(5.73)*65/530
= 8.75609 lb / 1,000 gallons gasoline loaded

Uncontrolled Total VOC Emissions = Annual Loading Volume (M gallons) x Loading Emission Factor (lbs VOC per M gallons loaded)
for 100,000,000 gallons loaded, and a loading factor of 8.75609 lbsVOC per 1,000 gallons loaded
= 100,000,000*8.75609/1,000
= 875,609 lbs VOC

Load CNV-Rail

				Loading losses		Tank-truck loss 8 mg/l		Total	
			Vapor Fraction	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.
Gasoline Throughput at the Rack (MM gal)	-	Total VOC	100.00%	-	-	-	-	-	0.000
		Benzene	0.50%	-	-	0	-	-	0.000
Distillate bottom loading vapors are controlled		Ethylbenzene	0.04%	-	-	0	-	-	0.000
emissions from this loading are negligible		Hexane (-n)	0.46%	-	-	0	-	-	0.000
		Iso-octane	0.56%	-	-	0	-	-	0.000
VRU Emission Rating (mg/liter)	-	MTBE	N/A		-		-	-	0.000
		Toluene	0.54%	-	-	0	-	-	0.000
Tank-Truck Loss Factor (mg/liter)	8	Xylene (-m)	0.15%	-	-	0	-	-	0.000
		Biphenyl	N/A					-	
Controlled gasoline Loading Losses (lb/year)	0	Cresol	N/A					-	
		Cumeme	N/A					-	
Uncontrolled gasoline Loading Losses (lb/year)	-	Naphthalene	N/A					-	
		Phenol	N/A					-	
		Total HAP Species*	2.25%	-	-	-	-	-	-
		Non Hap VOC	97.75%	-	-	-	-	-	-
Temp. used in uncontrolled loading calculation	60.56								
	520.56	Total VOC		-	-	-	-	-	-
		Total HAP		-	-	-	-	-	-
PTE Vapor Control Down Time lb/yr	-	Highest Single HAP							
(tons/year)	0.0	Benzene		-	-	-	-	-	-

Sample Calculations

Volume Of Gasoline loaded (gallons)*3.785 litres/gallon*(VRU/VDU emission rate (mg/liter of gasoline loaded) + gasoline loading losses (mg/liter of gasoline loaded))*2.2046 lbs/Kg*1 Kg/1,000,000 mg = emissions (lbs)

For 100,000,000 gallons loaded, and a VDU rated at 10 mg/liter the equation yields:

100,000,000*3.785*(10+8)*2.2046*1/1,000,000 = 15,020 lbs

Uncontrolled Loading Emissions Factor, L = 12.46 SPM/T in lb VOC/1,000 gallons product loaded
for S =1.0 (dimensionless); VP = 5.73 psia of VOC; M = 65 lb/lb-mole; T= 530 deg R
= 12.46*(1)*(5.73)*65/530
= 8.75609 lb / 1,000 gallons gasoline loaded

Uncontrolled Total VOC Emissions = Annual Loading Volume (M gallons) x Loading Emission Factor (lbs VOC per M gallons loaded)
for 100,000,000 gallons loaded, and a loading factor of 8.75609 lbsVOC per 1,000 gallons loaded
= 100,000,000*8.75609/1,000
= 875,609 lbs VOC

EMISSIONS FROM MARINE LOADING OF CRUDE OIL:

Throughput: 1,350 Mmgal 3 mg/L 0.02503621 lbs/1000 gallons

Loading into an Uncleaned Barge:

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
1.3590	1350	1834595	23850	1810745	33799	57649	28.82

Max Emissions Per Hour:

15,000 barrels / hr
630,000 gal / hr

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/hr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
1.3590	0.63	856	11	845	17	28	0.01

EMISSIONS FROM MARINE LOADING OF ETH:

Throughput: - Mmgal

Loading into an Uncleaned Barge:

Emission Factor* (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	98% Reduction from VDU	Total Emissions (lbs)	Total Emissions (tons)
0.3431	0	0	0	0	0	0	0.00

* Emission Factor from Table 5.2-2 in AP-42 for an Uncleaned Barge previously loaded with a Volatile Liquid

Max Emissions Per Hour:

4,000 barrels / hr
168,000 gal / hr

Emission Factor* (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/hr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	98% Reduction from VDU	Total Emissions (lbs)	Total Emissions (tons)
0.3431	0.17	58	1	57	1	2	0.00

Load DIS-Rail

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	-	Total VOC	100.00%	0.0	-	0.0	-
		Benzene	0.21%	0.0	-	0.0	-
		Ethylbenzene	0.31%	0.0	-	0.0	-
Uncontrolled Tank-Truck Splash		Hexane (-n)	0.00%	0.0	-	0.0	-
Loading Emission Factor (mg/l)	4.00	Iso-octane	0.00%	0.0	-	0.0	-
		MTBE	0.00%	0.0	-	0.0	-
Uncontrolled Tank-Truck		Toluene	2.36%	0.0	-	0.0	-
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	5.77%	0.0	-	0.0	-
		Biphenyl	0.00%	0.0	-	0.0	-
Distillate Loading Rack Loss (lb/year)	-	Cresol	0.00%	0.0	-	0.0	-
		Cumeme	0.00%	0.0	-	0.0	-
Top Load Fugitive Loss (lb/year)	-	Naphthalene	0.05%	0.0	-	0.0	-
		Phenol	0.00%	0.0	-	0.0	-
		Total HAP Species*	8.70%	0.0	-	0.0	-
		Non Hap VOC	91.30%	0.0	-	0.0	-
		Total VOC		0.0		0.0	
		Total HAP		0.0		0.0	
		Highest Single HAP					
		Benzene		-		-	-

Sample Calculations

Volume of distillate top loaded (gallons)*3.785 litres/gallon*4.0 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 mg= emissions (lbs)

For 100,000,000 distillate gallons top loaded the equation yields:

100,000,000*3.785*4*2.2046*1/1,000,000 = 3,338 lbs
Top load emissions are all fugitive

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Load DIS-Truck

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	200.00	Total VOC	100.00%	2837.1	1.419	0.0	-
		Benzene	0.21%	6.0	0.003	0.0	-
		Ethylbenzene	0.31%	8.8	0.004	0.0	-
Uncontrolled Tank-Truck Splash		Hexane (-n)	0.00%	0.0	-	0.0	-
Loading Emission Factor (mg/l)	4.00	Iso-octane	0.00%	0.0	-	0.0	-
		MTBE	0.00%	0.0	-	0.0	-
Uncontrolled Tank-Truck		Toluene	2.36%	67.0	0.033	0.0	-
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	5.77%	163.7	0.082	0.0	-
		Biphenyl	0.00%	0.0	-	0.0	-
Distillate Loading Rack Loss (lb/year)	2,837	Cresol	0.00%	0.0	-	0.0	-
		Cumeme	0.00%	0.0	-	0.0	-
Top Load Fugitive Loss (lb/year)	-	Naphthalene	0.05%	1.4	0.001	0.0	-
		Phenol	0.00%	0.0	-	0.0	-
		Total HAP Species*	8.70%	246.8	0.123	0.0	-
		Non Hap VOC	91.30%	2590.3	1.295	0.0	-

Total VOC	2837.1		0.0		
Total HAP	246.8		0.0		
Highest Single HAP					
Xylene (-m)		163.7		-	0.082

Sample Calculations

Volume of distillate top loaded (gallons)*3.785 litres/gallon*4.0 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 mg= emissions (lbs)

For 100,000,000 distillate gallons top loaded the equation yields:

100,000,000*3.785*4*2.2046*1/1,000,000 = 3,338 lbs
Top load emissions are all fugitive

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Fugitive VOC Emissions

Count				Light	Heavy	Gas			
Light	Heavy	Gas		Factor (lbs/hr)	Factor (lbs/hr)	Factor (lbs/hr)	Lbs/Hr	Lbs/Year	lb/day
86	117	10	Valves	9.48E-05	9.48E-05	2.87E-05	0.02	1.7E+02	0.47
3	4	-	Pumps	1.19E-03	1.19E-03	1.43E-04	0.01	7.3E+01	0.20
-	-	-	Other	2.87E-04	2.87E-04	2.65E-04	0.00	0.0E+00	0.00
6	9	-	Loading Arm Valve	9.48E-05	9.48E-05	2.87E-05	0.00	1.2E+01	0.03
322	436	35	Flanges	1.76E-05	1.76E-05	9.26E-05	0.02	1.5E+02	0.40
							0.05	401.83	1.10

		Light Liquid Fraction	Light Liquid Lbs/Year	Heavy Liquid Fraction	Heavy Liquid Lbs/Year	Gas Fraction	Gas Lbs/Year	Total Lbs/Year
Total VOC		100.00%	157.74	100.00%	213.65	100.00%	30.44	401.83
Benzene	00071-43-2	1.80%	2.84	0.001%	0.00	0.50%	0.15	2.99
Ethylbenzene	00100-41-4	1.40%	2.21	0.01%	0.03	0.04%	0.01	2.25
Hexane	00110-54-3	1.00%	1.58	N/A	N/A	0.46%	0.14	1.72
Isooctane	00540-84-1	4.00%	6.31	N/A	N/A	0.56%	0.17	6.48
MTBE	01634-04-4		0.00	N/A	N/A	0.00%	0.00	0.00
Toluene	00108-88-3	7.00%	11.04	0.03%	0.07	0.54%	0.16	11.27
Xylene (-m)	00108-38-3	7.00%	11.04	0.29%	0.62	0.15%	0.05	11.71
biphenyl	00092-52-4	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Cresol (-o)	00095-48-7	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Cumene	00098-82-8	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Naphthalene	00091-20-3	N/A	N/A	0.10%	0.21	N/A	N/A	0.21
Methanol*	0.00%	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Total HAPS		22.20%	35.02	0.44%	0.93	2.25%	0.68	36.63
Non Hap VOC		77.80%	122.72	99.56%	212.72	97.75%	29.76	365.20

* Based on facility-specific equipment component counts and EPA, November 1995, Equipment Leak Emission Factors.

HAP	VAPOR FRACTION Gasoline Conventional	Blending		Liquid Speciation Weight Fraction Gasoline (used for liquid fugitives) Blending	Conventional	Liquid Weight Fraction Distillate	Vapor Fraction (calculated) Distillate	Additive Tanks	Vapor Faction Av Gas	HAP	Cas Numbers	Texas TNRCC Numbers
Benzene	0.50%	0.99%		5.00%	1.80%	0.00001	0.00210			Benzene	00071-43-2	
Ethylbenzene	0.04%	0.03%		2.00%	1.40%	0.00013	0.00310	0.264		Ethylbenzene	00100-41-4	
Hexane	0.46%	3.96%		12.00%	1.00%	0.00000	0.00040			Hexane	00110-54-3	
Isooctane	0.56%	0.40%		4.00%	4.00%					Isooctane	00540-84-1	
MTBE										MTBE	01634-04-4	
Toluene	0.54%	0.38%		7.00%	7.00%	0.00032	0.02360			Toluene	00108-88-3	
Xylene (-m)	0.15%	0.10%		7.00%	7.00%	0.00290	0.05770	0.736		Xylene (-m)	00108-38-3	
Biphenyl										Biphenyl	00092-52-4	
Cresol (-o)										Cresol (-o)	00095-48-7	
Cumene										Cumene	00098-82-8	
Naphthalene						0.00100	0.00050			Naphthalene	00091-20-3	
Methanol*	1.18%	1.18%		2.00%	2.00%							

Tank No.	12	13	17	27	28	30	29**	-	-	-	-	-
Tank Diam	70	60	40	85	100	120	140	-	-	-	-	-
Heel Height	4.0	4.0	4.0	4.0	4.0	4.0	3.0	-	-	-	-	-
Volume ft3	15,394	11,310	5,027	22,698	31,416	45,239	46,181	-	-	-	-	-
Vol bbl	2,742	2,014	895	4,043	5,596	8,058	8,226	-	-	-	-	-
Volume gal	115,161	84,608	37,604	169,804	235,022	338,432	345,483	-	-	-	-	-
Vol liters	435,884	320,241	142,330	642,707	889,560	1,280,966	1,307,653	-	-	-	-	-
Avg Temp F	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56
Avg Temp K	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02
temp corr	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451
moles	18,391	13,512	6,005	27,117	37,532	54,047	55,173	-	-	-	-	-
VP of VOC(psia)	7.55	7.55	7.55	7.55	7.55	7.55	8.01	7.55	3.72	3.72	3.72	7.55
VOC theo fraction	0.51	0.51	0.51	0.51	0.51	0.51	0.55	0.51	0.25	0.25	0.25	0.51
Sat Factor	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
moles VOC	5,667	4,164	1,851	8,356	11,566	16,655	18,045	-	-	-	-	-
mol weight g/g-mole	60.00	60.00	60.00	60.00	60.00	60.00	50.00	60.00	49.82	49.82	49.82	60.00
VOC grams/landing	340,043	249,827	111,034	501,390	693,965	999,309	902,239	-	-	-	-	-
VOC lbs/landing	749.65	551	245	1,105	1,530	2,203	1,989	-	-	-	-	-
VOC tons/landing	0.37	0.28	0.12	0.55	0.76	1.10	0.99	-	-	-	-	-
land/yr	3	3	3	3	3	3	1	-	-	-	-	-
average days per landing	3.0	3.0	3.0	3.0	3.0	3.0	2.0	-	-	-	-	-
VOC lb filling	2,249	1,652	734	3,316	4,590	6,609	1,989	-	-	-	-	-
VOC lb standing	1,026	753	335	1,512	2,093	3,014	605	-	-	-	-	-
VOC lb/hr when landing	15	11	5	22	31	45	54	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
VOC lb/day when landing	1,091	802	356	1,609	2,228	3,208	1,297	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total VOC lbs	3,274	2,406	1,069	4,828	6,683	9,623	2,594	-	-	-	-	-
Total VOC tons	1.64	1.20	0.53	2.41	3.34	4.81	1.30	-	-	-	-	-

Total VOC	100.00%	3,274	2,406	1,069	4,828	6,683	9,623	2,594	-	-	-	-	-
Benzene	0.50%	32	24	11	24	66	95	26	-	-	-	-	-
Ethylbenzene	0.04%	1	1	0	2	2	3	1	-	-	-	-	-
Hexane (-n)	0.46%	130	95	42	22	265	381	103	-	-	-	-	-
Iso-octane	0.56%	13	10	4	27	27	38	10	-	-	-	-	-
MTBE	0.00%	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.54%	12	9	4	26	25	37	10	-	-	-	-	-
Xylene (-m)	0.15%	3	2	1	7	7	10	3	-	-	-	-	-
Biphenyl	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cresol	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cumeme	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total HAP Species*	2.25%	192	141	63	109	392	564	152	-	-	-	-	-
Non Hap VOC	97.75%	3,083	2,265	1,007	4,720	6,291	9,059	2,442	-	-	-	-	-

Product Water / Mixture

	Vapor Fraction	Tank 26 Lb/Year	Tank Lb/Year	Tank Lb/Year		Total Lb/Year	Total Tons/Year		Corrected Lb/Year	CorrectedTon/Year
Total VOC	100.00%	15879.00	0.00	0.00		15879.00	7.94		15,879	7.940
Benzene	0.50%	79.40	0.00	0.00		79.40	0.04		79	0.040
Ethylbenzene	0.04%	6.35	0.00	0.00		6.35	0.00		6	0.003
Hexane (-n)	0.46%	73.04	0.00	0.00		73.04	0.04		73	0.037
Iso-octane	0.56%	88.92	0.00	0.00		88.92	0.04		89	0.044
MTBE	N/A					0.00	0.00		-	-
Toluene	0.54%	85.75	0.00	0.00		85.75	0.04		86	0.043
Xylene (-m)	0.15%	23.82	0.00	0.00		23.82	0.01		24	0.012
Biphenyl	N/A					0.00	0.00		-	-
Cresol	N/A					0.00	0.00		-	-
Cumeme	N/A					0.00	0.00		-	-
Naphthalene	N/A					0.00	0.00		-	-
Phenol	N/A					0.00	0.00		-	-
Total HAP Species*	2.25%	357.28	0.00	0.00		357.28	0.18		357	0.179
Non Hap VOC	97.75%	15521.72	0.00	0.00		15521.72	7.76		15,522	0.388

Tank Degassing	1 T as IFR (during April - At RVP Switch)			1 T as FRT @ Leg Height			**Total Degassing**
	Working	Breathing	Total	Working	Breathing	Total	
28	3.44	1132.18	1135.62	2533.66	5965.28	8498.94	**9,635**
30	5.19	1423.88	1429.07	3648.47	8845.82	12494.29	**13,923**

Sludge Removal

Most wet sludges are about 80% to 90% liquid by weight. A conservative approach for estimating emissions is to assume the sludge is 80% liquid. The remainder is assumed to be VOC and emitted. As an alternative, the actual sludge moisture content can be determined.

$L_{SR} = 0.098\ D^2\ d_s\ W_l$
(assumes 20% evaporation)

Tank		Tank Diameter (D)(ft)	Sludge Depth (d_s)(in)(from table 8 in API TR 2568)	Stock Liquid Density (W_l)(lb/gal)(from table 3 in API TR 2568)	**$L_{SR} = 0.049\ D^2\ d_s\ W_l$**
	28	100	0.25	5.6	**686**
	30	120	0.25	5.6	**988**

Cleaning Total:

	lbs	**tons**
28	10,320.56	5.16
30	14,911.20	7.46
Grand Total:	25,231.76	12.62

HAP Breakdown:

HAP	**Speciation**	**Emissions (tons)**
Benzene	0.0050	0.06
Ethylbenzene	0.0004	0.01
Hexane	0.0046	0.06
Isooctane	0.0056	0.07
MTBE	0.0000	-
Toluene	0.0054	0.07
Xylene (-m)	0.0015	0.02
	0.9775	12.33
	Check:	12.62

Fuel Consumption

Product	Unit	Gal/yr (Liquid)	SCF/yr (Gas)	Liters/year (Gas)	MMBTU/yr
Distillate	Furnace	590			66.08
Natural Gas	Boiler (water bldg)	1,863			54.00
Natural Gas	Boiler (garage)	105			22.00
Natural Gas	Boiler (office)	1,720			163.00
Natural Gas	Boiler (line trace)	TBD			35,040.00
Natural Gas	Boiler (tanks)	TBD			52,560.00
Natural Gas	Boiler (tanks)	TBD			52,560.00
Natural Gas	Boiler (line trace)	TBD			35,040.00
Natural Gas	Boiler (rail cars)	TBD			175,200.00
Natural Gas	Boiler (rail cars)	TBD			175,200.00
Natural Gas	Furnace	857			120.00
Propane	VDU	85,000			11,900.00
		89,545			537,859

Distillate Service

	Pollutant				
Pollutant	PM	SOx	NOx	VOC	CO
Factor - lb/1000 gal	2.00	52.54	20.00	0.20	5.00
lb/yr	1.18	31.00	11.80	0.12	2.95
tons/yr	0.001	0.02	0.01	0.0001	0.001

* Emission factors used to estimate emissions are from AP-42 workbook.

Example calculation

= gal/yr / 1000 gal * emission factor

Natural Gas Service

	lbs Pollutant / MM BTU				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.007	0.001	0.098	0.005	0.082
lb/yr	4007.58	316.39	52731.27	2900.22	44294.27
tons/yr	2.00	0.16	26.37	1.45	22.15

* Emission factors used to estimate emissions are from AP-42 section 1.4, tables 1.4-1, 1.4-2, and 1.4-3.

Example Calculation of Natural Gas Useage

= Natural Gas Used 537,859 MMBTU/yr

= Natural Gas Used * Emission factor

Gasoline Vapor Service

	lbs Pollutant /10^6 liter (PM) or mg/liter (NOx and CO)				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	4	NA	10
lb/yr	304.09	0	27,644.88	NA	69,112.21
tons/yr	0.15	0	13.82	NA	34.56

Propane Vapor Service

	lbs Pollutant/ 10^6 liter or lbs/10^6 BTU (CO and NOx)				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	0.068	NA	0.37
lb/yr	0.0005	0	0.0008	NA	0.004
tons/yr	0.0000003	0	0.0000004	NA	0.000002

VCU Gasoline Combustion

1,825,950,000 gallons of gasoline loaded at the rack

20 micrograms/liter PM2.5 emission factor

* flare soot emission factor from AP-42 Table 13.5-1 (assumes nearly no smoke)

VCU Propane Combustion

85,000 gallons of propane combusted

36.3 cubic feet gas/gallon of propane

20 micrograms/liter PM2.5 emission factor

** from NGPA publication 2145-71

* flare soot emission factor from AP-42 Table 13.5-1 (assumes nearly no smoke)

Total of all Services

Pollutant	PM	SOx	NOx	VOC	CO
lb/yr	4,312.85	347.39	80,387.96	2,900.34	113,409.43
tons/yr	2.16	0.17	40.19	1.45	56.70

Note: Sulfur content assumed to be 0.37%

Note: These emissions are from Gasoline combustion and pilot light gas. Gasoline VOC's are already accounted for in the VDU effiency (i.e. 10 mg/l loaded). The pilot gas is basically propane, and contributes almost no non-propane VOC's.

GLOBAL COMPANIES

PRODUCT TERMINAL EMISSION REPORT
SIC CODE 5171

North

Report Purpose
2013 PTE - North

Version Date
8/8/2013

Emission Unit Overview

Description	VOC Tank Emissions	VOC Tank Landing Emissions	VOC TOTAL TANK EMISSIONS	HAP Tank Emissions	HAP Tank Landing Emissions	HAP TOTAL TANK EMISSIONS	SINGLE HAP Hexane Tank Emissions	SINGLE HAP Hexane Tank Landing Emissions	SINGLE HAP Hexane TOTAL TANK EMISSIONS
Gasoline Storage (RFG)									
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU
	0.000		0.000	0.000		0.000	0.000		0.000
IFR Storage Tanks									
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tank 1	4.737	2.033	6.770	0.278	0.119	0.397	0.188	0.081	0.268
Tank 2	4.735	2.033	6.768	0.277	0.119	0.397	0.188	0.081	0.268
Tank 3	4.738	2.033	6.771	0.107	0.046	0.152	0.022	0.009	0.031
Tank 4	1.804	0.409	2.213	0.106	0.024	0.130	0.071	0.016	0.088
Tank 5	7.868	4.811	12.679	0.461	0.282	0.743	0.312	0.191	0.502
Tank 10	2.087	10.024	12.111	0.147	0.587	0.734	0.083	0.397	0.480
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tank Cleaning	12.315		12.315	0.277		0.277	0.057		0.057
Gasoline Loading (CNV)	Gasoline Loading Emssions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU
Truck Loading Fugitive	8.344		8.344	0.188		0.188	0.038		0.038
Truck Loading Stack	83.444		83.444	1.877		1.877	0.384		0.384
Rail Loading Fugitive	0.000		0.000	0.000		0.000	0.000		0.000
Rail Loading Stack	0.000		0.000	0.000		0.000	0.000		0.000
Distillate Service	Distillate Tank Emissions		TOTAL TANK EMISSIONS	Distillate Tank Emissions		TOTAL TANK EMISSIONS	Distillate Tank Emissions		TOTAL TANK EMISSIONS
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Tank 6	0.041		0.041	0.004		0.004	0.000		0.000
Tank 7	0.123		0.123	0.011		0.011	0.000		0.000
Tank 8	0.123		0.123	0.011		0.011	0.000		0.000
Tank 9	0.512		0.512	0.045		0.045	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Tank 13	0.001		0.001	0.000		0.000	0.000		0.000
Tank 18	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Truck Loading	1.419		1.419	0.124		0.124	0.001		0.001
Rail Loading	0.000		0.000	0.000		0.000	0.000		0.000
Product / Water Mixture Tank	0.044		0.044	0.001		0.001	0.000		0.000
CNV Equipment Fugitives	0.201		0.201	0.018		0.018	0.001		0.001
Marine Loading	0.000		0.000	0.000		0.000	0.000		0.000
Additive Tank Emissions	0.041		0.041	0.041		0.041			
TOTAL OF SOURCES			153.92			5.15			2.12

Total VOCs	153.92	tons/yr
Total HAPs	5.15	tons/yr
Total Hexane	2.12	tons/yr

*Modeled as Ethanol Only

TANK STORAGE, CLEANING AND LOADING RACK

RFG Tank No.	lb/yr	Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	Methanol	Page Total Hap	Landing Total Hap	Total HAP
		-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-	-	-
		-	-	-	-	-	-	-						-	-	-
	Gasoline Loading Emissions															
Gasoline Loading (RFG)														-	-	-
Truck Loading		0	0	-	0	0	0	0						-	-	-
Rail Loading														-	-	-
Gasoline Storage (Conv)														-	-	-
		-	-	-	-	N/A	-	-	N/A	N/A	N/A	N/A	-	-	-	-
Tank 1		94	3	375	38	N/A	36	9	N/A	N/A	N/A	N/A	-	555	238	793
Tank 2		94	3	375	38	N/A	36	9	N/A	N/A	N/A	N/A	-	555	238	793
Tank 3		47	4	44	53	N/A	51	14	N/A	N/A	N/A	N/A	-	213	91	305
Tank 4		36	1	143	14	N/A	14	4	N/A	N/A	N/A	N/A	-	211	48	259
Tank 5		156	5	623	63	N/A	60	16	N/A	N/A	N/A	N/A	-	922	564	1,486
Tank 10		41	1	165	17	N/A	16	4	N/A	N/A	N/A	N/A	49	294	1,175	1,469
		-	-	-	-	N/A	-	-	N/A	N/A	N/A	N/A	-	-	-	-
		-	-	-	-	N/A	-	-	N/A	N/A	N/A	N/A	-	-	-	-
		-	-	-	-	N/A	-	-	N/A	N/A	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 Cleaning		123.149	9.852	113	137.927	N/A	133.001	36.945	N/A	N/A	N/A	N/A	-	554	-	554
														-	-	-
	Gasoline Loading Emissions													-	-	-
Gasoline Loading (CNV)														-	-	-
Truck Loading Fugitive		83	7	77	93	0	90	25						375	-	375
Truck Loading Stack		834	67	768	935	0	901	250						3,755	-	3,755
Rail Loading Fugitive		0	0	-	0	0	0	0						-	-	-
Rail Loading Stack		0	0	-	0	0	0	0						-	-	-
	Distillate Tank Emissions															
Distillate Service														-	-	-
		0	0	-	N/A	N/A	0	0	0	0	0	0	0	-	-	-
		0	0	-	N/A	N/A	0	0	0	0	0	0	0	-	-	-
Tank 6		0	0	0	N/A	N/A	2	5	0	0	0	0	0	7	-	7
Tank 7		1	1	0	N/A	N/A	6	14	0	0	0	0	0	21	-	21
Tank 8		1	1	0	N/A	N/A	6	14	0	0	0	0	0	21	-	21
Tank 9		2	3	0	N/A	N/A	24	59	0	0	0	1	0	89	-	89
		0	0	-	N/A	N/A	0	0	0	0	0	0	0	-	-	-
Tank 13		0.0036	0.0054	0	N/A	N/A	0	0	0	0	0	0	0	0	-	0
Tank 18		0.0005	0.0008	0	N/A	N/A	0	0	0	0	0	0	0	0	-	0
Truck Loading		6.0	8.8	1	N/A	N/A	67.0	163.7	0.0	0.0	0.0	1.4	0.0	248	-	248
Rail Loading		0.0	0.0	-			0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
														-	-	-
														-	-	-
Misc. Sources														-	-	-
Product / Water Mixture Tank		0	0	0	0	0	0	0	0	0	0	0	0	2	-	2
CNV Equipment Fugitives		3	2	2	6	0	11	12	0	0	0	0	0	37	-	37
Marine Loading		0	0	-	0	0	0	0	0	0	0	0	0	-	-	-
Additive Tank Emissions			22					61						83	-	83
Total of all Sources														7,944	2,355	10,299
lb/yr		1924	151	4,235	1573	0	1622	742	0	0	0	2	49			
Tons/yr		0.96	0.08	2.12	0.79	-	0.81	0.37	-	-	-	0.00	0.02	-		
	10,298.98	lb/yr														
	5.15	ton/yr														

TANK LANDINGS

RFG Tank No.	Lb/yr Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	Methanol*	Page Total Hap
0	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
0	-	-	-	-	-	-	-						-
													-
													-
Gasoline Storage (Conv)													-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
Tank 1	40	1	161	16	-	15	4	N/A	N/A	N/A	N/A	N/A	238
Tank 2	40	1	161	16	-	15	4	N/A	N/A	N/A	N/A	N/A	238
Tank 3	20	2	19	23	-	22	6	N/A	N/A	N/A	N/A	N/A	91
Tank 4	8	0	32	3	-	3	1	N/A	N/A	N/A	N/A	N/A	48
Tank 5	95	3	381	38	-	37	10	N/A	N/A	N/A	N/A	N/A	564
Tank 10	198	6	794	80	-	76	20	N/A	N/A	N/A	N/A	N/A	1,175
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
	-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
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													-
													-
													-
													-
													-
TOTAL OF SOURCES	**lb/yr**	403	13	1,548	177	-	169	45	-	-			2,355
	Tons/yr	0.201	0.007	0.774	0.089	0.000	0.084	0.022					1.177
Total (inc Landings)	2354.66												
	1.18												

2013 PTE - North

	Stored	Rack Loaded	Rail Loaded	Ship/Barge Loaded		Sent Up Pipeline	
Conventional Gasoline	250,000,000	250,000,000	-	-		-	gal
RFG Gasoline (MTBE)						-	gal
RFG Gasoline (Ethanol)							
% of Gasoline as RFG (MTBE) (2)							0%
*** Total Gasoline (auto fuel)	250,000,000	250,000,000	-	-		-	gal
Crude	1,350,000,000**			1,350,000,000**		-	gal
Ethanol	-			-		-	gal
Distillate	200,000,000	200,000,000	-			-	gal
Facility Total	450,000,000	450,000,000	0	0	0	0	
	Actual	Calculated					
Total Additive Used		270,000	gal		Product-water		gal

** Crude Loading & Storage Emissions Included on South & Newburgh Terminal PTEs

RFG Gasoline Tanks

Tk. No.	Dia	Leg ht	no land	land av	Vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
						-	-		-	
							Average Turnovers			

Tk No	VOC's from Tanks(lb/yr) Standing	Working	Total	Ozone	Highest
			-		

IFR Tanks

Tk. No.	Dia	Leg ht	no land	land avg days	Vol bbls	Volume gals	Actual Thruputs	Turnovers	Calculated Thruputs	gal/day
					-		-	0.0	0.0	0
1	78	4	3	3.0	22,475	943,950	-	32.8	30,978,635.4	84,873
2	78	4	3	3.0	21,450	900,900	-	32.8	29,565,816.7	81,002
3	78	4	3	3.0	22,675	952,350	-	32.8	31,254,307.4	85,628
4	35	4	3	3.0	4,650	195,300	-	32.8	6,409,372.8	17,560
5	120	4	3	3.0	88,000	3,696,000	-	32.8	121,295,658.2	332,317
10	60	40	3	3.0	22,125	929,250	-	32.8	30,496,209.5	83,551
-	-	-	-	-	-	-	-	0.0	0.0	0
-	-	-	-	-	-	-	-	0.0	0.0	0
-	-	-	-	-	-	-	-	0.0	0.0	0
						7,617,750	-		250,000,000	
								Average Turnovers	32.8	
								Total IFR Tank Throughput	250,000,000	

Tk No	VOC's from Tanks (lb/yr) Standing	Working	Total	Ozone	Highest
			-		
1	9386	88	9,475		
2	9386	84	9,471		
3	9386	89	9,476		
4	3,569	39	3,608		
5	15,511	224	15,735		
10	4,068	106	4,174		
0			-		
0			-		
0			-		
			51,938		

*Modeled as Ethanol Only

**Modeled as Crude Oil Only

INPUTS

Distillate Tanks

Tk. No.	Dia		vol bbls	Volume gals	Actual Thruputs (2)	Turnover's	Calculated Thruputs	gal/day
			-				0	0
			-				0	0
6	25		1,900	79,800		127.9	10,202,875	27,953
7	35		5,725	240,450		127.9	30,742,873	84,227
8	35		5,725	240,450		127.9	30,742,873	84,227
9	67			1,001,700		127.9	128,072,929	350,885
							0	0
13	5			1,620		127.9	207,126	567
18	3			245		127.9	31,325	86
Pct Top Loading Distillate		0%		1,564,265	-		200,000,000	
					Average Turnovers		128.0	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest
			-		
			-		
6	8	73	82		
7	25	221	246		
8	25	221	246		
9	104	920	1,024		
			-		
13	0	1	2		
18	0	0	0		
			1,599.2		

Additive Tanks

Tk. No.	Dia		vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
11			107	4,500		17.544	78,947.37	216
12			214	9,000		17.544	157,894.74	433
14			39	1,620		17.544	28,421.05	78
15A			6	270		17.544	4,736.84	13
			-				-	
			-				-	
				15,390	0	Total Additive	270,000	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest
11	7	17	24		
12	16	33	49		
14	2	6	8		
15A	0	1	1		
			-		
			-		
			83		

Product Water/Mixture tanks

Tk. No.	Dia		vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
16	4		12	500		6.0	3,000	8
19	4		11	450		6.0	2,700	7

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest
16	32	14	46		
19	29	12	42		

Gasoline Loading Control

Control Device Level

Truck Rack	80.0	mg/l	Flare
Rail Loading		mg/l	

Meteorological Data Used: NY, NY

Liquid Density in Apr from Tanks 4.0: 5.6 lb/gal

May temp from Tanks 4.0: 60.560 deg F

VP of VOC in Apr from Tanks 4.0: 7.55

MW of VOC in Apr from Tanks 4.0: 60 g/g-mole

Saturation Factor for landing: 0.6

Average days per landing: 3.0

Speciation Data from

	Distillate Tank	Gas tank	Additive tank
Tank No.			
Benzene			
Ethylbenzene			
Hexane			
Isooctane			
MTBE			
Toluene			
Xylene (-m)			
Biphenyl			
Cresol (-o)			
Cumene			
Naphthalene			
Total VOC			

	Data used for Calculated Fugitives		
	Tanks	Bays	
Gasoline (RFG)	0	0	Using Calculated Values
Gasoline (CNV)	6	2	
Distillate (DIST)	5	3	If using 'Actual Values' then leave table empty

0.1 fraction of the fugitive valve/flange count assigned to the vapor phase

	RFG in Liquid Phase		RFG in Vapor Phase		CNV in Liquid Phase		CNV Gas Phase		DIS	
	Calculated	Actual	Calculated	Actual	Calc	Actual	Calc	Actual	Calc	Actual
Valves	-	-	-		86		10		117	
Pumps	-				3				4	
Other										
Loading Arm Valve	-				6				9	
Flanges	-	-	-	-	322	-	35	-	436	-

		1	2	3	4	5	10	-	-	-	-	-	Total Thruput		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	-	30,978,635	29,565,817	31,254,307	6,409,373	121,295,658	30,496,210	-	-	-	-	-	250,000,000	gal/yr	
Throughput (Bbl / Yr):	-	737,587	703,948	744,150	152,604	2,887,992	726,100	-	-	-	-	-	5,952,381	bbl/yr	
	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year								Lb / Year	Tons /Year
Total VOC**	-	9,475	9,471	9,476	3,608	15,735	4,174	-	-	-	-	-		51,938	25.97
Benzene	-	94	94	47	36	156	41	-	-	-	-	-		468	0.23
Ethylbenzene	-	3	3	4	1	5	1	-	-	-	-	-		17	0.01
Hexane	-	375	375	44	143	623	165	-	-	-	-	-		1,725	0.86
Isooctane	-	38	38	53	14	63	17	-	-	-	-	-		223	0.11
MTBE														-	
Toluene	-	36	36	51	14	60	16	-	-	-	-	-		213	0.11
Xylene (-m)	-	9	9	14	4	16	4	-	-	-	-	-		57	0.03
Biphenyl														-	-
Cresol (-o)														-	-
Cumene														-	-
Naphthalene														-	-
Methanol*							49							49	0.02
Total HAP Species	-	555	555	213	211	922	294	-	-	-	-	-		2,751	1.38
Non Hap VOC	-	8,920	8,916	9,262	3,396	14,813	3,880	-	-	-	-	-		49,187	24.59

Total VOC:	-	9,475	9,471	9,476	3,608	15,735	4,174	-	-	-	-	-		51,938	25.97
Source Fraction Total VOC:	-	0.18	0.18	0.18	0.07	0.30	0.08	-	-	-	-	-			
Total HAP	-	555	555	213	211	922	294	-	-	-	-	-		2,751	1.38
SINGLE HAP: Benzene	-	375	375	53	143	623	165	-	-	-	-	-			
Source Fraction HAP:	-	0.20	0.20	0.08	0.08	0.34	0.11	-	-	-	-	-			

* Modeled as Ethanol

** Emissions from EPA Tanks 4.0 program.

	0	0	6	7	8			13	18		Total Thruput		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	-	-	10,202,875	30,742,873	30,742,873	128,072,929	-	207,126	31,325	-	200,000,000	gal/yr	
Throughput (Bbl / Yr):	-	-	242,926	731,973	731,973	3,049,355	-	4,932	746	-	4,761,905	bbl/yr	
	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year							Lb / Year	Tons /Year
Total VOC**	-	-	82	246	246	1,024	-	2	0	-		1,599	0.80
Benzene	-	-	0.2	0.5	0.5	2.1	-	0.0	0.0	-		3	0.00
Ethylbenzene	-	-	0.3	0.8	0.8	3.2	-	0.0	0.0	-		5	0.00
Hexane	-	-	0.0	0.1	0.1	0.4	-	0.0	0.0	-		1	0.00
Isooctane												-	-
MTBE												-	-
Toluene	-	-	1.9	5.8	5.8	24.2	-	0.0	0.0	-		38	0.02
Xylene (-m)	-	-	4.7	14.2	14.2	59.1	-	0.1	0.0	-		92	0.05
Biphenyl	-	-	-	-	-	-	-	-	-	-		-	-
Cresol (-o)	-	-	-	-	-	-	-	-	-	-		-	-
Cumene	-	-	-	-	-	-	-	-	-	-		-	-
Naphthalene	-	-	0.0	0.1	0.1	0.5	-	0.0	0.0	-		1	0.00
Methanol*	-	-	-	-	-	-	-	-	-	-		-	-
Total HAP Species	-	-	7	21	21	89	-	0	0	-		140	0.07
Non Hap VOC	-	-	75	224	224	934	-	2	0	-		1,459	0.73

Total VOC:	-	-	82	246	246	1,024		2				1,599	0.80
Source Fraction Total VOC:	-	-	0.05	0.15	0.15	0.64	-	0.00	0.00	-		1	
SINGLE HAP: Benzene:	-	-	4.71	14.19	14.19	59.06	-	0.10	0.01	-		92	0.05
Total HAP:	-	-	7	21	21	89	-	0	0	-		140	0.07
Source Fraction HAP:	-	-	0.05	0.15	0.15	0.64	-	0.00	0.00	-		1	

* Emissions from EPA Tanks 4.0 program.

	11	12	14	15A	0	0	0	0	0	0	0	0	0	Total		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	78,947	157,895	28,421	4,737	-	-	-	-	-	-	-	-	-	270,000	gal/yr	
Throughput (Bbl / Yr):	1,880	3,759	677	113	-	-	-	-	-	-	-	-	-	6,429	bbl/yr	
	lb/year	lb/year	lb/year	lb/year	lb/year	lb/year									lb/year	tons/year
Total VOC**	24	49	8	1	-	-	-	-	-	-	-	-	-		82.59	0.04
Benzene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Ethylbenzene	6.4	12.9	2.2	0.4	-	-	-	-	-	-	-	-	-		21.82	0.01
Hexane	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Isooctane	N / A	N / A	N / A	N / A	N / A	N / A									-	-
MTBE	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Toluene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Xylene (-m)	17.7	36.0	6.0	1.0	-	-	-	-	-	-	-	-	-		60.77	0.03
Biphenyl	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Cresol (-o)	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Cumene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Naphthalene	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Methanol*	N / A	N / A	N / A	N / A	N / A	N / A									-	-
Total HAP Species	24	49	8	1	-	-	-	-	-	-	-	-	-		83	0.04
Non Hap VOC	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-

Calculated using 23% ethyl benzene & 77% xylene(-m)

Sample Calculation for Additive thruput

use 0.6 gal of additive for each gal of LOADED gasoline and distillate

Total Additive thruput = (Total Loading Volume / 1000)*(0.6)

= (500,000,000 gallons / 1000)*(0.6)

= 300,000 gallons

* Emissions from EPA Tanks 4.0 program.

Loading Summary

	TRUCK LOADING				Rail Loading			Marine Loading			Total	
	Gasoline		Distillate	Total	Gasoline	Distillate	Total	Crude Oil	Gas / Eth	Total	lb/yr	Tons/yr
	RFG	CNV										
Total VOC lb/yr	0	183,577	2,837	186,414	0	0	0	0	0	0	186,414	93.21
Benzene	0	918	6	924	0	0	0	0	0	0	924	0.46
Ethylbenzene	0	73	9	82	0	0	0	0	0	0	82	0.04
Hexane (-n)	0	844	1	846	0	-	0	0	0	0	846	0.42
Iso-octane	0	1,028	-	1,028	0	-	0	0	0	0	1,028	0.51
MTBE	0	-	-	0	-	-	-	0	0	0	0	0.00
Toluene	0	991	67	1,058	0	0	0	0	0	0	1,058	0.53
Xylene (-m)	0	275	164	439	0	0	0	0	0	0	439	0.22
Biphenyl	-	-	0	0	-	0	0	-	-	0	0	0.00
Cresol	-	-	0	0	-	0	0	-	-	0	0	0.00
Cumeme	-	-	0	0	-	0	0	-	-	0	0	0.00
Naphthalene	-	-	1	1	-	0	0	-	-	0	1	0.00
Phenol	-	-	0	0	-	0	0	-	-	0	0	0.00
Methanol	-	-	-	-	-	-	-	0	-	0	0	0.00
Total HAP Species*	0	4,130	248	4,378	0	0	0	0	0	0	4,378	2.19
Non Hap VOC	0	179,447	2,589	182,036	0	0	0	0	0	0	182,036	91.02

				Loading Losses 80mg/l		Tank-truck loss 8 mg/l		Total	
			Vapor Fraction	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.
Gasoline Throughput at the Rack (MM gal)	250.0	Total VOC	100.00%	166,888	83.444	16,689	8.344	183,577	91.789
		Benzene	0.50%	834	0.417	83	0.042	918	0.459
Distillate bottom loading vapors are controlled		Ethylbenzene	0.04%	67	0.033	7	0.003	73	0.037
emissions from this loading are negligible		Hexane (-n)	0.46%	768	0.384	77	0.038	844	0.422
		Iso-octane	0.56%	935	0.467	93	0.047	1,028	0.514
VRU Emission Rating (mg/liter)	80.00	MTBE	N/A		-		-	-	0.000
		Toluene	0.54%	901	0.451	90	0.045	991	0.496
Tank-Truck Loss Factor (mg/liter)	8	Xylene (-m)	0.15%	250	0.125	25	0.013	275	0.138
		Biphenyl	N/A					-	
Controlled gasoline Loading Losses (lb/year)	166,888	Cresol	N/A					-	
		Cumeme	N/A					-	
Uncontrolled gasoline Loading Losses (lb/year)	2,710,725	Naphthalene	N/A					-	
		Phenol	N/A					-	
		Total HAP Species*	2.25%	3,755	1.877	375	0.188	4,130	2.065
		Non Hap VOC	97.75%	163,133	81.567	16,313	8.157	179,447	89.723
Temp. used in uncontrolled loading calculation	60.56 F								
	520.56 R	Total VOC		166,888	83.444	16,689	8.344	183,577	91.789
		Total HAP		3,755	1.877	375	0.188	4,130	2.065
PTE Vapor Control Down Time lb/yr	-	Highest Single HAP							
(tons/year)	0.0	Iso-octane		935	0.467	93	0.047	1,028	0.514

Sample Calculations

Volume Of Gasoline loaded (gallons)*3.785 litres/gallon*(VRU/VDU emission rate (mg/liter of gasoline loaded) + gasoline loading losses (mg/liter of gasoline loaded))*2.2046 lbs/Kg*1 Kg/1,000,000 mg = emissions (lbs)

For 100,000,000 gallons loaded, and a VDU rated at 10 mg/liter the equation yields:

100,000,000*3.785*(10+8)*2.2046*1/1,000,000 = 15,020 lbs

Uncontrolled Loading Emissions Factor, L = 12.46 SPM/T in lb VOC/1,000 gallons product loaded
for S = 1 (dimensionless); VP = 5.73 psia of VOC; M = 65 lb/lb-mole; T= 530 deg R
= 12.46*(1)*(5.73)*65/530
= 8.75609 lb / 1,000 gallons gasoline loaded

Uncontrolled Total VOC Emissions = Annual Loading Volume (M gallons) x Loading Emission Factor (lbs VOC per M gallons loaded)
for 100,000,000 gallons loaded, and a loading factor of 8.75609 lbsVOC per 1,000 gallons loaded
= 100,000,000*8.75609/1,000
= 875,609 lbs VOC

Load CNV-Rail

				Loading losses		Tank-truck loss 8 mg/l		Total	
			Vapor Fraction	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.
Gasoline Throughput at the Rack (MM gal)	-	Total VOC	100.00%	-	-	-	-	-	0.000
		Benzene	0.50%	-	-	0	-	-	0.000
Distillate bottom loading vapors are controlled		Ethylbenzene	0.04%	-	-	0	-	-	0.000
emissions from this loading are negligible		Hexane (-n)	0.46%	-	-	0	-	-	0.000
		Iso-octane	0.56%	-	-	0	-	-	0.000
VRU Emission Rating (mg/liter)	-	MTBE	N/A		-		-	-	0.000
		Toluene	0.54%	-	-	0	-	-	0.000
Tank-Truck Loss Factor (mg/liter)	8	Xylene (-m)	0.15%	-	-	0	-	-	0.000
		Biphenyl	N/A					-	
Controlled gasoline Loading Losses (lb/year)	0	Cresol	N/A					-	
		Cumeme	N/A					-	
Uncontrolled gasoline Loading Losses (lb/year)	-	Naphthalene	N/A					-	
		Phenol	N/A					-	
		Total HAP Species*	2.25%	-	-	-	-	-	-
		Non Hap VOC	97.75%	-	-	-	-	-	-
Temp. used in uncontrolled loading calculation	60.56								
	520.56	Total VOC		-	-	-	-	-	-
		Total HAP		-	-	-	-	-	-
PTE Vapor Control Down Time lb/yr	-	Highest Single HAP							
(tons/year)	0.0	Benzene		-	-	-	-	-	-

Sample Calculations

Volume Of Gasoline loaded (gallons)*3.785 litres/gallon*(VRU/VDU emission rate (mg/liter of gasoline loaded) + gasoline loading losses (mg/liter of gasoline loaded))*2.2046 lbs/Kg*1 Kg/1,000,000 mg = emissions (lbs)

For 100,000,000 gallons loaded, and a VDU rated at 10 mg/liter the equation yields:

100,000,000*3.785*(10+8)*2.2046*1/1,000,000 = 15,020 lbs

Uncontrolled Loading Emissions Factor, L = 12.46 SPM/T in lb VOC/1,000 gallons product loaded
for S =1.0 (dimensionless); VP = 5.73 psia of VOC; M = 65 lb/lb-mole; T= 530 deg R
= 12.46*(1)*(5.73)*65/530
= 8.75609 lb / 1,000 gallons gasoline loaded

Uncontrolled Total VOC Emissions = Annual Loading Volume (M gallons) x Loading Emission Factor (lbs VOC per M gallons loaded)
for 100,000,000 gallons loaded, and a loading factor of 8.75609 lbsVOC per 1,000 gallons loaded
= 100,000,000*8.75609/1,000
= 875,609 lbs VOC

EMISSIONS FROM MARINE LOADING OF CRUDE OIL:

Throughput: - Mmgal 3 mg/L 0.02503621 lbs/1000 gallons

Loading into an Uncleaned Barge:

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
1.3590	0	0	0	0	0	0	0.00

Max Emissions Per Hour:

15,000 barrels / hr
630,000 gal / hr

Emission Factor (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/hr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	3 mg/L from VDU	Total Emissions (lbs)	Total Emissions (tons)
1.3590	0.63	856	11	845	17	28	0.01

EMISSIONS FROM MARINE LOADING OF ETH:

Throughput: - Mmgal

Loading into an Uncleaned Barge:

Emission Factor* (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/yr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	98% Reduction from VDU	Total Emissions (lbs)	Total Emissions (tons)
0.3431	0	0	0	0	0	0	0.00

* Emission Factor from Table 5.2-2 in AP-42 for an Uncleaned Barge previously loaded with a Volatile Liquid

Max Emissions Per Hour:

4,000 barrels / hr
168,000 gal / hr

Emission Factor* (lb/1000 gal)	Throughput (Mmgal)	Loading Rack Emissions (lb/hr)	1.3% Remaining after 98.7% goes to VDU	98.7% to VDU	98% Reduction from VDU	Total Emissions (lbs)	Total Emissions (tons)
0.3431	0.17	58	1	57	1	2	0.00

Load DIS-Rail

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	-	Total VOC	100.00%	0.0	-	0.0	-
		Benzene	0.21%	0.0	-	0.0	-
		Ethylbenzene	0.31%	0.0	-	0.0	-
Uncontrolled Tank-Truck Splash		Hexane (-n)	0.00%	0.0	-	0.0	-
Loading Emission Factor (mg/l)	4.00	Iso-octane	0.00%	0.0	-	0.0	-
		MTBE	0.00%	0.0	-	0.0	-
Uncontrolled Tank-Truck		Toluene	2.36%	0.0	-	0.0	-
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	5.77%	0.0	-	0.0	-
		Biphenyl	0.00%	0.0	-	0.0	-
Distillate Loading Rack Loss (lb/year)	-	Cresol	0.00%	0.0	-	0.0	-
		Cumeme	0.00%	0.0	-	0.0	-
Top Load Fugitive Loss (lb/year)	-	Naphthalene	0.05%	0.0	-	0.0	-
		Phenol	0.00%	0.0	-	0.0	-
		Total HAP Species*	8.70%	0.0	-	0.0	-
		Non Hap VOC	91.30%	0.0	-	0.0	-
		Total VOC		0.0		0.0	
		Total HAP		0.0		0.0	
		Highest Single HAP					
		Benzene		-		-	-

Sample Calculations

Volume of distillate top loaded (gallons)*3.785 litres/gallon*4.0 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 mg= emissions (lbs)

For 100,000,000 distillate gallons top loaded the equation yields:

100,000,000*3.785*4*2.2046*1/1,000,000 = 3,338 lbs
Top load emissions are all fugitive

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Load DIS-Truck

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	200.00	Total VOC	100.00%	2837.1	1.419	0.0	-
		Benzene	0.21%	6.0	0.003	0.0	-
		Ethylbenzene	0.31%	8.8	0.004	0.0	-
Uncontrolled Tank-Truck Splash		Hexane (-n)	0.00%	1.1	0.001	0.0	-
Loading Emission Factor (mg/l)	4.00	Iso-octane	0.00%	0.0	-	0.0	-
		MTBE	0.00%	0.0	-	0.0	-
Uncontrolled Tank-Truck		Toluene	2.36%	67.0	0.033	0.0	-
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	5.77%	163.7	0.082	0.0	-
		Biphenyl	0.00%	0.0	-	0.0	-
Distillate Loading Rack Loss (lb/year)	2,837	Cresol	0.00%	0.0	-	0.0	-
		Cumeme	0.00%	0.0	-	0.0	-
Top Load Fugitive Loss (lb/year)	-	Naphthalene	0.05%	1.4	0.001	0.0	-
		Phenol	0.00%	0.0	-	0.0	-
		Total HAP Species*	8.70%	248.0	0.124	0.0	-
		Non Hap VOC	91.30%	2589.1	1.295	0.0	-

Total VOC	2837.1		0.0		
Total HAP	248.0		0.0		
Highest Single HAP					
Xylene (-m)		163.7		-	0.082

Sample Calculations

Volume of distillate top loaded (gallons)*3.785 litres/gallon*4.0 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 mg= emissions (lbs)

For 100,000,000 distillate gallons top loaded the equation yields:

100,000,000*3.785*4*2.2046*1/1,000,000 = 3,338 lbs
Top load emissions are all fugitive

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Fugitive VOC Emissions

Count				Light	Heavy	Gas			
Light	Heavy	Gas		Factor (lbs/hr)	Factor (lbs/hr)	Factor (lbs/hr)	Lbs/Hr	Lbs/Year	lb/day
86	117	10	Valves	9.48E-05	9.48E-05	2.87E-05	0.02	1.7E+02	0.47
3	4	-	Pumps	1.19E-03	1.19E-03	1.43E-04	0.01	7.3E+01	0.20
-	-	-	Other	2.87E-04	2.87E-04	2.65E-04	0.00	0.0E+00	0.00
6	9	-	Loading Arm Valve	9.48E-05	9.48E-05	2.87E-05	0.00	1.2E+01	0.03
322	436	35	Flanges	1.76E-05	1.76E-05	9.26E-05	0.02	1.5E+02	0.40
							0.05	401.83	1.10

		Light Liquid Fraction	Light Liquid Lbs/Year	Heavy Liquid Fraction	Heavy Liquid Lbs/Year	Gas Fraction	Gas Lbs/Year	Total Lbs/Year
Total VOC		100.00%	157.74	100.00%	213.65	100.00%	30.44	401.83
Benzene	00071-43-2	1.80%	2.84	0.001%	0.00	0.50%	0.15	2.99
Ethylbenzene	00100-41-4	1.40%	2.21	0.01%	0.03	0.04%	0.01	2.25
Hexane	00110-54-3	1.00%	1.58	N/A	N/A	0.46%	0.14	1.72
Isooctane	00540-84-1	4.00%	6.31	N/A	N/A	0.56%	0.17	6.48
MTBE	01634-04-4		0.00	N/A	N/A	0.00%	0.00	0.00
Toluene	00108-88-3	7.00%	11.04	0.03%	0.07	0.54%	0.16	11.27
Xylene (-m)	00108-38-3	7.00%	11.04	0.29%	0.62	0.15%	0.05	11.71
biphenyl	00092-52-4	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Cresol (-o)	00095-48-7	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Cumene	00098-82-8	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Naphthalene	00091-20-3	N/A	N/A	0.10%	0.21	N/A	N/A	0.21
Methanol*	0.00%	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Total HAPS		22.20%	35.02	0.44%	0.93	2.25%	0.68	36.63
Non Hap VOC		77.80%	122.72	99.56%	212.72	97.75%	29.76	365.20

* Based on facility-specific equipment component counts and EPA, November 1995, Equipment Leak Emission Factors.

HAP	VAPOR FRACTION Gasoline Conventional	Blending		Liquid Speciation Weight Fraction Gasoline (used for liquid fugitives) Blending	Conventional	Liquid Weight Fraction Distillate	Vapor Fraction (calculated) Distillate	Additive Tanks	Vapor Faction Av Gas	HAP	Cas Numbers	Texas TNRCC Numbers
Benzene	0.50%	0.99%		5.00%	1.80%	0.00001	0.00210			Benzene	00071-43-2	
Ethylbenzene	0.04%	0.03%		2.00%	1.40%	0.00013	0.00310	0.2642		Ethylbenzene	00100-41-4	
Hexane	0.46%	3.96%		12.00%	1.00%	0.00000	0.00040			Hexane	00110-54-3	
Isooctane	0.56%	0.40%		4.00%	4.00%					Isooctane	00540-84-1	
MTBE										MTBE	01634-04-4	
Toluene	0.54%	0.38%		7.00%	7.00%	0.00032	0.02360			Toluene	00108-88-3	
Xylene (-m)	0.15%	0.10%		7.00%	7.00%	0.00290	0.05770	0.7358		Xylene (-m)	00108-38-3	
Biphenyl										Biphenyl	00092-52-4	
Cresol (-o)										Cresol (-o)	00095-48-7	
Cumene										Cumene	00098-82-8	
Naphthalene						0.00100	0.00050			Naphthalene	00091-20-3	
Methanol*	1.18%	1.18%		2.00%	2.00%							

Tank No.	-	1	2	3	4	5	10	-	-	-	-	-
Tank Diam	-	78	78	78	35	120	60	-	-	-	-	-
Heel Height	-	4.0	4.0	4.0	4.0	4.0	40.0	-	-	-	-	-
Volume ft3	-	19,113	19,113	19,113	3,848	45,239	113,097	-	-	-	-	-
Vol bbl	-	3,404	3,404	3,404	685	8,058	20,145	-	-	-	-	-
Volume gal	-	142,988	142,988	142,988	28,790	338,432	846,080	-	-	-	-	-
Vol liters	-	541,208	541,208	541,208	108,971	1,280,966	3,202,415	-	-	-	-	-
Avg Temp F	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56	60.56
Avg Temp K	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02	289.02
temp corr	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451	0.9451
moles	-	22,835	22,835	22,835	4,598	54,047	135,116	-	-	-	-	-
VP of VOC(psia)	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	3.72	3.72	3.72	7.55
VOC theo fraction	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.25	0.25	0.25	0.51
Sat Factor	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
moles VOC	-	7,037	7,037	7,037	1,417	16,655	41,638	-	-	-	-	-
mol weight g/g-mole	60.00	60.00	60.00	60.00	60.00	60.00	50.00	60.00	49.82	49.82	49.82	60.00
VOC grams/landing	-	422,208	422,208	422,208	85,011	999,309	2,081,894	-	-	-	-	-
VOC lbs/landing	-	931	931	931	187	2,203	4,590	-	-	-	-	-
VOC tons/landing	-	0.47	0.47	0.47	0.09	1.10	2.29	-	-	-	-	-
land/yr	-	3	3	3	3	3	3	-	-	-	-	-
average days per landing	-	3.0	3.0	3.0	3.0	3.0	3.0	-	-	-	-	-
VOC lb filling	-	2,792	2,792	2,792	562	6,609	13,769	-	-	-	-	-
VOC lb standing	-	1,273	1,273	1,273	256	3,014	6,279	-	-	-	-	-
VOC lb/hr when landing	#DIV/0!	19	19	19	4	45	93	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
VOC lb/day when landing	#DIV/0!	1,355	1,355	1,355	273	3,208	6,683	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total VOC lbs	-	4,066	4,066	4,066	819	9,623	20,048	-	-	-	-	-
Total VOC tons	-	2.03	2.03	2.03	0.41	4.81	10.02	-	-	-	-	-

Total VOC	100.00%	-	4,066	4,066	4,066	819	9,623	20,048	-	-	-	-	-
Benzene	0.50%	-	40	40	20	8	95	198	-	-	-	-	-
Ethylbenzene	0.04%	-	1	1	2	0	3	6	-	-	-	-	-
Hexane (-n)	0.46%	-	161	161	19	32	381	794	-	-	-	-	-
Iso-octane	0.56%	-	16	16	23	3	38	80	-	-	-	-	-
MTBE	0.00%	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.54%	-	15	15	22	3	37	76	-	-	-	-	-
Xylene (-m)	0.15%	-	4	4	6	1	10	20	-	-	-	-	-
Biphenyl	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cresol	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cumeme	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total HAP Species*	2.25%	-	238	238	91	48	564	1,175	-	-	-	-	-
Non Hap VOC	97.75%	-	3,827	3,827	3,974	771	9,059	18,873	-	-	-	-	-

Product Water / Mixture

	Vapor Fraction	Tank 16 Lb/Year	Tank 19 Lb/Year	Tank Lb/Year		Total Lb/Year	Total Tons/Year		Corrected Lb/Year	CorrectedTon/Year
Total VOC	100.00%	46.26	41.64	0.00		87.90	0.04		87.90	0.044
Benzene	0.50%	0.23	0.21	0.00		0.44	0.00		0.44	0.000
Ethylbenzene	0.04%	0.02	0.02	0.00		0.04	0.00		0.04	0.000
Hexane (-n)	0.46%	0.21	0.19	0.00		0.40	0.00		0.40	0.000
Iso-octane	0.56%	0.26	0.23	0.00		0.49	0.00		0.49	0.000
MTBE	N/A					0.00	0.00		-	-
Toluene	0.54%	0.25	0.22	0.00		0.47	0.00		0.47	0.000
Xylene (-m)	0.15%	0.07	0.06	0.00		0.13	0.00		0.13	0.000
Biphenyl	N/A					0.00	0.00		-	-
Cresol	N/A					0.00	0.00		-	-
Cumeme	N/A					0.00	0.00		-	-
Naphthalene	N/A					0.00	0.00		-	-
Phenol	N/A					0.00	0.00		-	-
Total HAP Species*	2.25%	1.04	0.94	0.00		1.98	0.00		1.98	0.001
Non Hap VOC	97.75%	45.22	40.70	0.00		85.92	0.04		85.92	0.002

Tank Degassing	1 T as IFR (during April - At RVP Switch)			1 T as FRT @ Leg Height			**Total Degassing**
	Working	Breathing	Total	Working	Breathing	Total	
4	3.44	1132.18	1135.62	2533.66	5965.28	8498.94	**9,635**
5	5.19	1423.88	1429.07	3648.47	8845.82	12494.29	**13,923**

Sludge Removal

Most wet sludges are about 80% to 90% liquid by weight. A conservative approach for estimating emissions is to assume the sludge is 80% liquid. The remainder is assumed to be VOC and emitted. As an alternative, the actual sludge moisture content can be determined.

$L_{SR} = 0.098\ D^2\ d_s\ W_l$
(assumes 20% evaporation)

Tank		Tank Diameter (D)(ft)	Sludge Depth (d_s)(in)(from table 8 in API TR 2568)	Stock Liquid Density (W_l)(lb/gal)(from table 3 in API TR 2568)	**$L_{SR} = 0.049\ D^2\ d_s\ W_l$**
	4	35	0.25	5.6	**84**
	5	120	0.25	5.6	**988**

Cleaning Total:

	lbs	**tons**
4	9,718.60	4.86
5	14,911.20	7.46
Grand Total:	24,629.80	12.31

HAP Breakdown:

HAP	**Speciation**	**Emissions (lbs)**
Benzene	0.0050	0.06
Ethylbenzene	0.0004	0.00
Hexane	0.0046	0.06
Isooctane	0.0056	0.07
MTBE	0.0000	-
Toluene	0.0054	0.07
Xylene (-m)	0.0015	0.02
	0.9775	12.04
	Check:	12.31

Fuel Consumption

Product	Unit	Gal/yr (Liquid)	SCF/yr (Gas)	Liters/year (Gas)	MMBTU/yr
Distillate	Furnace	1,000			135
Natural Gas	Boiler (water bldg)				
Natural Gas	Boiler (garage)				
Natural Gas	Boiler (office)				
Natural Gas	Boiler (line trace)				
Natural Gas	Boiler (tanks)				
Natural Gas	Boiler (tanks)				
Natural Gas	Boiler (line trace)				
Natural Gas	Boiler (rail cars)				
Natural Gas	Boiler (rail cars)				
Natural Gas	Furnace				
Natural Gas	VDU	1,000		3,785	92
		1,000			92

Distillate Service

	Pollutant				
Pollutant	PM	SOx	NOx	VOC	CO
Factor - lb/1000 gal	2.00	52.54	20.00	0.20	5.00
lb/yr	2.00	52.54	20.00	0.20	5.00
tons/yr	0.001	0.03	0.01	0.0001	0.003

* Emission factors used to estimate emissions are from AP-42 workbook.

Example calculation

= gal/yr / 1000 gal * emission factor

Natural Gas Service

	lbs Pollutant / MM BTU				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.007	0.001	0.098	0.005	0.082
lb/yr	0.68	0.05	8.97	0.49	7.54
tons/yr	0.0003	0.00003	0.004	0.0002	0.004

* Emission factors used to estimate emissions are from AP-42 section 1.4, tables 1.4-1, 1.4-2, and 1.4-3.

Example Calculation of Natural Gas Useage

= Natural Gas Used 92 MMBTU/yr

= Natural Gas Used * Emission factor

Gasoline Vapor Service

	lbs Pollutant /10^6 liter (PM) or mg/liter (NOx and CO)				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	4	NA	10
lb/yr	41.0937	0	3,735.80	NA	9,339.49
tons/yr	0.0205469	0	1.86790	NA	4.66974

Propane Vapor Service

	lbs Pollutant/ 10^6 liter or lbs/10^6 BTU (CO and NOx)				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	0.068	NA	0.37
lb/yr	0.0002	0.0	0.00001	NA	0.00003
tons/yr	0.0000001	0.0	0.000000003	NA	0.00000002

VCU Gasoline Combustion

246,750,000 gallons of gasoline loaded at the rack

20 micrograms/liter PM2.5 emission factor

* flare soot emission factor from AP-42 Table 13.5-1 (assumes nearly no smoke)

VCU Propane Combustion

1000 gallons of propane combusted

36.3 cubic feet gas/gallon of propane

** from NGPA publication 2145-71

20 micrograms/liter PM2.5 emission factor

* flare soot emission factor from AP-42 Table 13.5-1 (assumes nearly no smoke)

Total of all Services

Pollutant	PM	SOx	NOx	VOC	CO
lb/yr	43.78	52.59	3,764.77	0.69	9,352.02
tons/yr	0.02	0.03	1.88	0.00	4.68

Note: Sulfur content assumed to be 0.37%

Note: These emissions are from Gasoline combustion and pilot light gas. Gasoline VOC's are already accounted for in the VDU effiency (i.e. 10 mg/l loaded). The pilot gas is basically propane, and contributes almost no non-propane VOC's.

Global Companies LLC

PRODUCT TERMINAL EMISSION REPORT
SIC CODE 5171

Facility
South

Report Purpose
2013 PTE - South

Version Date
7/2/2013

****Does not Include Remediation Emissions**

	Emission Unit	1-MISCT	1-RACK1				1-RACK2				1-TANK		EXEMPT	Total	
	Process	FG2	VCL	TTV	RDS	RGS	RFG	RVC	RRD	RRG	FG1	GAS			
	Throughput (1000 Gallons)				900,000	177,143	-	-	-	-	#######	4,307	-		
Benzene	Benzene	0.27	591.26	59.13	27	650.4	-		-	-	2	266	8	954	
Ethylbenzene	Ethylbenzene	0.02	47.30	4.73	40	52.03	-		-	-	2	23	26	142	
Hexane	Hexane	0.25	543.96	54.40	27	598.4	-		-	-	1	244	1.5	873	
Pentane, 2,2,4-Trimethyl	Isooctane	0.31	662.21	66.22	-	728.4	-		-	-	5	298	-	1,031	
MTBE	MTBE	-	0.00	0.00	-	-	-		-	-	-	-		-	
Toluene	Toluene	0.29	638.56	63.86	301	702.4	-		-	-	9	287	95	1,395	
Xylene (m) 1,3 dimethyl Benzene	Xylene (m)	0.08	177.38	17.74	737	195.12	-		-	-	9	80	270	1,290	1,353
1,1 Biphenyl	Biphenyl	-	0.00	0.00	-	-	-		-	-	-	-	-	-	
2-Methyl Phenol	Cresol (o)	-	0.00	0.00	-	-	-		-	-	-	-	-	-	
Benzene, 1-Methylethyl	Cumene	-	0.00	0.00	-	-	-		-	-	-	-	-	-	
Naphthalene	Naphthalene	-	0.00	0.00	6.4	-	-		-	-	0.2	-	2	9	
	Speciated VOC (HAP)	1.23	2,660.68	266.07	1,138	2,926.7	-		-	-	28	1,197	402	5,693	5,745
	Unspec VOC	53	115591.64	11559.16	11,629	127,151	-		-	-	317	55,407	3,685	198,244	
	Process Total VOC	55	118,252	11,825	12,767	130,078	-		-	-	346	56,604	4,088	203,936	
	EU Total VOC	55				142,899				-		56,950	4,088	61,092	204,015
	EU Tons/year	0.03				71.45				-		28.47	2.04	30.55	
	Allowed														

Gasoline Truck	177,143
Distillate Truck	900,000
Gasoline Rail	-
Distillate Rail	-

Emission Unit Overview

Description	VOC Tank Emissions	VOC Tank Landing Emissions	VOC TOTAL TANK EMISSIONS	HAP Tank Emissions	HAP Tank Landing Emissions	HAP TOTAL TANK EMISSIONS	SINGLE HAP Toluene Tank Emissions	SINGLE HAP Toluene Tank Landing Emissions	SINGLE HAP Toluene TOTAL TANK EMISSIONS
Gasoline Storage (RFG)									
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gasoline Loading (RFG)	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU			
Truck Loading	0.000		0.000	0.000		0.000	0.000		0.000
Rail Loading									
Gasoline Storage (CNV)									
Tank 21	2.687	1.243	3.930	0.060	0.028	0.088	0.004	0.007	0.011
Tank 22	1.815	0.423	2.238	0.041	0.010	0.050	0.003	0.002	0.005
Tank 23	1.815	0.423	2.238	0.041	0.010	0.050	0.003	0.002	0.005
Tank 25	1.799	0.399	2.198	0.040	0.009	0.049	0.003	0.002	0.005
Tank 26	5.204	2.796	8.000	0.117	0.063	0.180	0.008	0.016	0.023
Tank 30	2.689	1.243	3.932	0.061	0.028	0.088	0.004	0.007	0.011
Tank 27**	4.682	0.536	5.217	0.105	0.012	0.117	0.007	0.003	0.010
Tank Cleaning	0.802		0.802	0.032		0.032	0.013		0.013
Gasoline Loading (CNV)	Gasoline Loading Emssions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU			
Truck Loading Fugitive	5.913		5.913	0.133		0.133	0.009		0.009
Truck Loading Stack	59.126		59.126	1.330		1.330	0.089		0.089
Rail Loading Fugitive	0.000		0.000	0.000		0.000	0.000		0.000
Rail Loading Stack	0.000		0.000	0.000		0.000	0.000		0.000
Distillate Service	Distillate Tank Emissions		TOTAL TANK EMISSIONS	Distillate Tank Emissions		TOTAL TANK EMISSIONS			
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Tank 24	0.152		0.152	0.013		0.013	0.009		0.009
	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Tank 28	0.000		0.000	0.000		0.000	0.000		0.000
	0.000		0.000	0.000		0.000	0.000		0.000
Tank 31	0.473		0.473	0.041		0.041	0.027		0.027
Tank 32	0.708		0.708	0.062		0.062	0.041		0.041
Tank 33	0.472		0.472	0.041		0.041	0.027		0.027
Truck Loading	6.383		6.383	0.555		0.555	0.368		0.368
Rail Loading	0.000		0.000	0.000		0.000	0.000		0.000
Aviation Gasoline Storage									
Aviation Gasoline Loading									
Other Spills	0.000		0.000	0.000		0.000	0.000		0.000
RFG Equipment Fugitives	0.000		0.000	0.000		0.000	0.000		0.000
CNV Equipment Fugitives	0.173		0.173	0.014		0.014	0.005		0.005
Additive Tank Emissions	0.025		0.025	0.025		0.025	0.018		0.018
Product water/mixture	0.027		0.027	0.001		0.001	0.000		0.000
TOTAL OF SOURCES			102.01			2.87			0.68

Total VOCs	102.01	tons/yr
Total HAPs	2.87	tons/yr
Total Toluene	0.68	tons/yr

TANK STORAGE, CLEANING AND LOADING RACK

RFG Tank No.	lb/yr	Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	0	Page Total Hap	Landing Total Hap	Total HAP
		-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-	-	-
		-	-	-	-	-	-	-						-	-	-
Gasoline Loading (RFG)	Gasoline Loading Emissions													-	-	-
Truck Loading		0	0	0	0	0	0	-						-	-	-
Rail Loading														-	-	-
Gasoline Storage (Conv)														-	-	-
Tank 21		27	2	25	30	N/A	29	8	N/A	N/A	N/A	N/A	N/A	121	56	177
Tank 22		18	1	17	20		20	5						82	19	101
Tank 23		18	1	17	20		20	5						82	19	101
Tank 25		18	1	17	20		19	5						81	18	99
Tank 26		52	4	48	58		56	16						234	126	360
Tank 30		27	2	25	30		29	8						121	56	177
Tank 27**		47	4	43	52		51	14						211	24	235
Tank Cleaning		7	2	5	7	N/A	16	26	N/A	N/A	N/A	0	N/A	64	-	64
														-	-	-
Gasoline Loading (CNV)	Gasoline Loading Emissions													-	-	-
														-	-	-
														-	-	-
Truck Loading Fugitive		59	5	54	66	0	64	18						266	-	266
Truck Loading Stack		591	47	544	662	0	639	177						2,661	-	2,661
Rail Loading Fugitive		0	0	0	0	0	0	-						-	-	-
Rail Loading Stack		0	0	0	0	0	0	-						-	-	-
Distillate Service	Distillate Tank Emissions													-	-	-
		0	0	0	N/A	N/A	0	-	N/A	N/A	N/A	0.00	N/A	-	-	-
		0	0	0	N/A	N/A	0	-	N/A	N/A	N/A	0.00	N/A	-	-	-
		0	0	0	N/A	N/A	0	-	N/A	N/A	N/A	0.00	N/A	-	-	-
Tank 24		1	1	0	N/A	N/A	7	18	N/A	N/A	N/A	0.15	N/A	27	-	27
		0	0	0	N/A	N/A	0	-	N/A	N/A	N/A	0.00	N/A	-	-	-
		0	0	0	N/A	N/A	0	-	N/A	N/A	N/A	0.00	N/A	-	-	-
Tank 28		0	0	0	N/A	N/A	0	0	N/A	N/A	N/A	0.00	N/A	0	-	0
		0	0	0	N/A	N/A	0	-	N/A	N/A	N/A	0.00	N/A	-	-	-
Tank 31		2	3	0	N/A	N/A	22	55	N/A	N/A	N/A	0.47	N/A	83	-	83
Tank 32		3	4	1	N/A	N/A	33	82	N/A	N/A	N/A	0.71	N/A	124	-	124
Tank 33		2	3	0	N/A	N/A	22	54	N/A	N/A	N/A	0.47	N/A	83	-	83
Truck Loading		26.8	39.6	0.0	N/A	N/A	301.3	737	0.0	0.0	0.0	6.4	0.0	1,111	-	1,111
Rail Loading		0.0	0.0	0.0			0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-
Av Gasoline Storage														-	-	-
														-	-	-
Av Gasoline Loading														-	-	-
Spills		0	0	0	0 N/A		0	-	0	0	0	0	0	-	-	-
RFG Equipment Fugitives														-	-	-
CNV Equipment Fugitives		2	2	1	5	0	9	9	0	0	0	0	0	28	-	28
Additive Tank Emissions			13					37						50	-	50
Product water/mixture		0	0	0	0	0	0	0	0	0	0	0	0	1	-	1
Total of all Sources														5,427	318	5,745
lb/yr		972	142	862	1051	0	1414	1,295	0	0	0	8.6	0			
Tons/yr		0.49	0.07	0.43	0.53	-	0.71	1	-	-	-	0.00	-	-		
	5,744.62	lb/yr														
	2.87	ton/yr														

TANK LANDINGS

RFG Tank No.		Lb/yr Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	Page 0	Total Hap
0		-	-	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	-
0		-	-	-	-	-	-	-						-
														-
														-
Gasoline Service (Conv)														-
Tank 21		12	1	11	14	-	13	4	N/A	N/A	N/A	N/A	N/A	56
Tank 22		4	0	4	5	-	5	1						19
Tank 23		4	0	4	5	-	5	1						19
Tank 25		4	0	4	4	-	4	1						18
Tank 26		28	2	26	31	-	30	8						126
Tank 30		12	1	11	14	-	13	4						56
Tank 27**		5	0	5	6	-	6	2						24
Tank Cleaning														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
														-
TOTAL OF SOURCES	**lb/yr**	71	6	65	79	-	76	21	-	-				318
	Tons/yr	0.035	0.003	0.032	0.040	0.000	0.038	0.011						0.159
Total (inc Landings)	317.81													
	0.16													

2013 PTE - South

	Stored	Rack loaded	Rail loaded	ship loaded	Barge Loaded	Sent Up Pipeline	
Conventional Gasoline	177,143,000	177,143,000				-	gal
RFG Gasoline (MTBE)	-					-	gal
RFG Gasoline (Ethanol)							
% of Gasoline as RFG (MTBE) (2)							0%
*** Total Gasoline (auto fuel)	177,143,000	177,143,000	-			-	gal
Crude Oil	1,350,000,000	-				-	gal
Distillate	900,000,000	900,000,000				-	gal
Facility Total	2,427,143,000	1,077,143,000	0	0	0	0	

	Actual	Calculated			
Total Additive Used	-	646,286	gal	Product-water	gal

RFG Gasoline Tanks

Tk. No.	Dia	Leg ht	no land	land av	Vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
						-	-		-	
								Average Turnovers	0.0	

VOC's from Tanks(lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest	Upset
			-			

Conventional Gasoline Tanks

Tk. No.	Dia	Leg ht	no land	land avg days	Vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
21	60	4	3	3.0	18,250	766,500	-	41.1	31,524,717	86,369
22	35	4	3	3.0	6,425	269,850	-	41.1	11,098,428	30,407
23	35	4	3	3.0	6,425	269,850	-	41.1	11,098,428	30,407
25	34	4	3	3.0	6,675	280,350	-	41.1	11,530,273	31,590
26	90	4	3	3.0	46,750	1,963,500	-	41.1	80,755,098	221,247
30	60	4	3	3.0	18,025	757,050	-	41.1	31,136,056	85,304
27**	90	3	1	2.0	48,975	2,056,950	-	328.2	675,000,000	1,849,316
						4,307,100	-		852,143,000	
								Average Turnovers	197.8	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest	Upset
21	5274	101	5,374			
22	3569	62	3,631			
23	3569	62	3,631			
25	3532	66	3,598			
26	10227	181	10,408			
30	5274	104	5,378			
27**	1664	7700	9,363			
			41,383			

*Modeled as Ethanol Only

**Modeled as Crude Oil Only. Other half of throughput included on Newburgh Terminal PTE.

Distillate Tanks

Tk. No.	Dia		vol bbls	Volume gals	Actual Thruputs (2)	Turnover's	Calculated Thruputs	gal/day
			-				0	0
			-				0	0
			-				0	0
24	24		2,875	120,750		628.7	75,921,113	208,005
			-				0	0
			-				0	0
28	3		6	270		628.7	169,761	467
			-				0	0
31	50		8,925	374,850		628.7	235,685,543	645,716
32	60		13,350	560,700		628.7	352,538,039	965,859
33	48		8,925	374,850		628.7	235,685,543	645,716
Pct Top Loading Distillate		0%		1,431,420	-	3,144	900,000,000	
						Average Turnovers	628.7	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest	Upset
			-			
			-			
			-			
24	13	291	304			
			-			
			-			
28	0	1	1			
			-			
31	42	904	946			
32	63	1352	1,415			
33	40	904	944			
			3,610.4			

Additive Tanks

Tk. No.	Dia		vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
20	10		22	930		353.2	328,440	900
29	4		21	900		353.2	317,845	871
				1,830	0	Total Additive	646,286	

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest	Upset
20	14	17	31			
29	2	17	18			
			50			

Product Water/Mixture tanks

Tk. No.	Dia		vol bbls	Volume gals	Actual Thruputs (2)	Turnovers	Calculated Thruputs	gal/day
34	4		11	450		12.0	5,400	15

VOC's from Tanks (lb/yr)

Tk No	Standing	Working	Total	Ozone	Highest	Upset
34	30	25	55			

Gasoline Loading Control

Control Device Level

Truck Rack	80.0	mg/l	VRU
Rail Loading		mg/l	

Vru No.		Total lb/yr	Hrs/yr	Gal used when down	Upset lbs
Truck	VOC	0			0
	HAP	0			0
	S'HAP	-			0

Meteorological Data Used: New York, NY

Liquid Density in Apr from Tanks 4.0: 5.6 lb/gal

May temp from Tanks 4.0: 60.650 deg F

VP of VOC in Apr from Tanks 4.0: 7.55

MW of VOC in Apr from Tanks 4.0: 62 g/g-mole

Saturation Factor for landing: 0.6

Average days per landing: 3.0

Speciation Data from

Tank No.>			
Benzene			
Ethylbenzene			
Hexane			
Isooctane			
MTBE			
Toluene			
Xylene (-m)			
Biphenyl			
Cresol (-o)			
Cumene			
Naphthalene			
Total VOC			

	Data used for Calculated Fugitives	
	Tanks	Bays
Gasoline (RFG)	0	0
Gasoline (CNV)	1	2
Distillate (DIST)	10	2

Using Calculated Values

If using 'Actual Values' then leave table empty

0.1 fraction of the fugitive valve/flange count assigned to the vapor phase

	RFG in Liquid Phase		RFG in Vapor Phase		CNV in Liquid Phase		CNV Gas Phase		DIS	
	Calculated	Actual	Calculated	Actual	Calc	Actual	Calc	Actual	Calc	Actual
Valves	-	-	-		59		7		120	
Pumps	-				3				3	
Other										
Loading Arm Valve	-				6				6	
Flanges	-	-	-	-	225	-	24	-	443	-

	21	22	23	25	26	30	27**	-	-	Total Thruput		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	31,524,717	11,098,428	11,098,428	11,530,273	80,755,098	31,136,056	675,000,000	-	-	852,143,000	gal/yr	
Throughput (Bbl / Yr):	750,589	264,248	264,248	274,530	1,922,740	741,335	16,071,429	-	-	20,289,119	bbl/yr	
	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year				-	Lb / Year	Tons /Year
Total VOC**	5,374	3,631	3,631	3,598	10,408	5,378	9,363	-	-		41,383	20.69
Benzene	27	18	18	18	52	27	47	-	-		207	0.10
Ethylbenzene	2	1	1	1	4	2	4	-	-		17	0.01
Hexane	25	17	17	17	48	25	43	-	-		190	0.10
Isooctane	30	20	20	20	58	30	52	-	-		232	0.12
MTBE												
Toluene	29	20	20	19	56	29	51	-	-		223	0.11
Xylene (-m)	8	5	5	5	16	8	14	-	-		62	0.03
Biphenyl	N/A										-	-
Cresol (-o)	N/A										-	-
Cumene	N/A										-	-
Naphthalene	N/A										-	-
0	N/A										-	-
Total HAP Species	121	82	82	81	234	121	211	-	-		931	0.47
Non Hap VOC	5,253	3,549	3,549	3,517	10,173	5,257	9,153	-	-		40,452	20.23

Total VOC:	5,374	3,631	3,631	3,598	10,408	5,378	9,363	-	-		41,383	20.69
Source Fraction Total VOC:	0.13	0.09	0.09	0.09	0.25	0.13	0.23	-	-			
Total HAP	121	82	82	81	234	121	211	-	-		931	0.47
SINGLE HAP: Isooctane	30	20	20	20	58	30	52	-	-			
Source Fraction HAP:	0.13	0.09	0.09	0.09	0.25	0.13	0.23	-	-			

* Emissions from EPA Tanks 4.0 program.

	0	0	0	24	0	0	28	0	31	32	33	Total Thruput		
Actual Thruput	-	-	-	-	-	-	-	-	-	-	-	-	gal/yr	
Calculated Thruput	-	-	-	75,921,113	-	-	169,761	-	235,685,543	352,538,039	235,685,543	900,000,000	gal/yr	
Throughput (Bbl / Yr):	-	-	-	1,807,646	-	-	4,042	-	5,611,561	8,393,763	5,611,561	21,428,571	bbl/yr	
	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year	Lb / Year		Lb / Year	Tons /Year
Total VOC**	-	-	-	304	-	-	1	-	946	1,415	944		3,610	1.81
Benzene	-	-	-	0.6	-	-	0.0	-	2.0	3.0	2.0		8	0.00
Ethylbenzene	-	-	-	0.9	-	-	0.0	-	2.9	4.4	2.9		11	0.01
Hexane	-	-	-	0.1	-	-	0.0	-	0.4	0.6	0.4		1	0.00
Isooctane													-	-
MTBE													-	-
Toluene	-	-	-	7.2	-	-	0.0	-	22.3	33.4	22.3		85	0.04
Xylene (-m)	-	-	-	17.6	-	-	0.0	-	54.6	81.7	54.5		208	0.10
Biphenyl	-	-	-	-	-	-	-	-	-	-	-		-	-
Cresol (-o)	-	-	-	-	-	-	-	-	-	-	-		-	-
Cumene	-	-	-	-	-	-	-	-	-	-	-		-	-
Naphthalene	-	-	-	0.2	-	-	0.0	-	0.5	0.7	0.5		2	0.00
Total HAP Species	-	-	-	27	-	-	0	-	83	124	83		316	0.16
Non Hap VOC	-	-	-	278	-	-	1	-	863	1,292	862		3,295	1.65

Total VOC:	-	-	-	304	-	-	1	-	946	1,415	944		3,610	1.81
Source Fraction Total VOC:	-	-	-	0.08	-	-	0.00	-	0.26	0.39	0.26		1	
SINGLE HAP: Benzene:	-	-	-	17.56	-	-	0.04	-	54.59	81.66	54.47		208	0.10
Total HAP:	-	-	-	27	-	-	0	-	83	124	83		316	0.16
Source Fraction HAP:	-	-	-	0.08	-	-	0.00	-	0.26	0.39	0.26		1.00	0.00

* Emissions from EPA Tanks 4.0 program.

	20	29	0	0	0	0					Total		
Actual Thruput	-	-	-	-	-	-					-	gal/yr	
Calculated Thruput	328,440	317,845	-	-	-	-					646,286	gal/yr	
Throughput (Bbl / Yr):	7,820	7,568	-	-	-	-					15,388	bbl/yr	
	lb/year	lb/year	lb/year	lb/year	lb/year	lb/year						lb/year	tons/year
Total VOC**	31	18	-	-	-	-						49.72	0.02
Benzene												-	-
Ethylbenzene	8.3	4.9	-	-	-	-						13.14	0.01
Hexane												-	-
Isooctane												-	-
MTBE												-	-
Toluene												-	-
Xylene (-m)	23.1	13.5	-	-	-	-						36.58	0.02
Biphenyl												-	-
Cresol (-o)												-	-
Cumene												-	-
Naphthalene												-	-
0												-	-
Total HAP Species	31	18	-	-	-	-						50	0.02
Non Hap VOC	-	-	-	-	-	-						-	-

calculated using 23% ethyl benzene & 77% xylene(-m)

Sample Calculation for Additive thruput

use 0.6 gal of additive for each gal of LOADED gasoline and distillate

Total Additive thruput = (Total Loading Volume / 1000)*(0.6)

= (500,000,000 gallons / 1000)*(0.6)

= 300,000 gallons

* Emissions from EPA Tanks 4.0 program.

Loading Summary

	TRUCK LOADING				Rail Loading			Total	
	Gasoline		Distillate	Total	Gasoline	Distillate	Total	lb/yr	Tons/yr
	RFG	CNV							
Total VOC lb/yr	0	130,078	12,766.95	142,844.50	0	0	0	142,845	71.42
Benzene	0	650	26.81	677.20	0	0	0	677	0.34
Ethylbenzene	0	52	39.58	91.61	0	0	0	92	0.05
Hexane (-n)	0	598	0.00	598.36	0	-	0	598	0.30
Iso-octane	0	728	0.00	728.43	0	-	0	728	0.36
MTBE	0	-	0.00	0.00	-	-	-	0	0.00
Toluene	0	702	301.30	1,003.72	0	0	0	1,004	0.50
Xylene (-m)	0	195	736.65	931.77	0	0	0	932	0.47
Biphenyl	-	-	0.00	0.00	-	0	0	0	0.00
Cresol	-	-	0.00	0.00	-	0	0	0	0.00
Cumeme	-	-	0.00	0.00	-	0	0	0	0.00
Naphthalene	-	-	6.38	6.38	-	0	0	6	0.00
Phenol	-	-	0.00	0.00	-	0	0	0	0.00
Total HAP Species*	0	2,927	1,111	4,037	0	0	0	4,037	2.02
Non Hap VOC	0	127,151	11,656	138,807	0	0	0	138,807	69.40

Load CNV-Truck

Gasoline Throughput at the Rack (MM gal)	177.143
Distillate bottom loading vapors are controlled emissions from this loading are negligible	
VRU Emission Rating (mg/liter)	80.00
Tank-Truck Loss Factor (mg/liter)	8
Controlled gasoline Loading Losses (lb/year)	130,078
Uncontrolled gasoline Loading Losses (lb/year)	1,984,426
Temp. used in uncontrolled loading calculation	60.65
	520.65
PTE Vapor Control Down Time lb/yr	-
(tons/year)	0.0

		Loading Losses 80mg/l		Tank-truck loss 8 mg/l		Total	
	Vapor Fraction	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.
Total VOC	100.00%	118,252	59.126	11,825	5.913	130,078	65.039
Benzene	0.50%	591	0.296	59	0.030	650	0.325
Ethylbenzene	0.04%	47	0.024	5	0.002	52	0.026
Hexane (-n)	0.46%	544	0.272	54	0.027	598	0.299
Iso-octane	0.56%	662	0.331	66	0.033	728	0.364
MTBE	N/A		-			-	0.000
Toluene	0.54%	639	0.319	64	0.032	702	0.351
Xylene (-m)	0.15%	177	0.089	18	0.009	195	0.098
Biphenyl	N/A					-	
Cresol	N/A					-	
Cumeme	N/A					-	
Naphthalene	N/A					-	
Phenol	N/A					-	
Total HAP Species*	2.25%	2,660.68	1.330	266.07	0.133	2,927	1.463
Non Hap VOC	97.75%	115,592	57.796	11,559	5.780	127,151	63.575
Total VOC		118,252	59.126	11,825	5.913	130,078	65.039
Total HAP		2,661	1.330	266	0.133	2,927	1.463
Highest Single HAP							
Iso-octane		662	0.331	66	0.033	728	0.364

Sample Calculations

Volume Of Gasoline loaded (gallons)*3.785 litres/gallon*(VRU/VDU emission rate (mg/liter of gasoline loaded) + gasoline loading losses (mg/liter of gasoline loaded))*2.2046 lbs/Kg*1 Kg/1,000,000 mg = emissions (lbs)

For 100,000,000 gallons loaded, and a VDU rated at 10 mg/liter the equation yields:

100,000,000*3.785*(10+8)*2.2046*1/1,000,000 = 15,020 lbs

Uncontrolled Loading Emissions Factor, L = 12.46 SPM/T in lb VOC/1,000 gallons product loaded
for S = 1 (dimensionless); VP = 5.73 psia of VOC; M = 65 lb/lb-mole; T= 530 deg R
= 12.46*(1)*(5.73)*65/530
= 8.75609 lb / 1,000 gallons gasoline loaded

Uncontrolled Total VOC Emissions = Annual Loading Volume (M gallons) x Loading Emission Factor (lbs VOC per M gallons loaded)
for 100,000,000 gallons loaded, and a loading factor of 8.75609 lbsVOC per 1,000 gallons loaded
= 100,000,000*8.75609/1,000
= 875,609 lbs VOC

Load CNV-Rail

				Loading losses		Tank-truck loss 8 mg/l		Total	
			Vapor Fraction	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.	Lbs/Year	Tons/Yr.
Gasoline Throughput at the Rack (MM gal)	-	Total VOC	100.00%	-	-	-	-	-	0.000
		Benzene	0.50%	-	-	0	-	-	0.000
Distillate bottom loading vapors are controlled		Ethylbenzene	0.04%	-	-	0	-	-	0.000
emissions from this loading are negligible		Hexane (-n)	0.46%	-	-	0	-	-	0.000
		Iso-octane	0.56%	-	-	0	-	-	0.000
VRU Emission Rating (mg/liter)	-	MTBE	N/A		-		-	-	0.000
		Toluene	0.54%	-	-	0	-	-	0.000
Tank-Truck Loss Factor (mg/liter)	8	Xylene (-m)	0.15%	-	-	0	-	-	0.000
		Biphenyl	N/A					-	
Controlled gasoline Loading Losses (lb/year)	0	Cresol	N/A					-	
		Cumeme	N/A					-	
Uncontrolled gasoline Loading Losses (lb/year)	-	Naphthalene	N/A					-	
		Phenol	N/A					-	
		Total HAP Species*	2.25%	-	-	-	-	-	-
		Non Hap VOC	97.75%	-	-	-	-	-	-
Temp. used in uncontrolled loading calculation	60.65								
	520.65	Total VOC		-	-	-	-	-	-
		Total HAP		-	-	-	-	-	-
PTE Vapor Control Down Time lb/yr	-	Highest Single HAP							
(tons/year)	0.0	Benzene		-	-	-	-	-	-

Sample Calculations

Volume Of Gasoline loaded (gallons)*3.785 litres/gallon*(VRU/VDU emission rate (mg/liter of gasoline loaded) + gasoline loading losses (mg/liter of gasoline loaded))*2.2046 lbs/Kg*1 Kg/1,000,000 mg = emissions (lbs)

For 100,000,000 gallons loaded, and a VDU rated at 10 mg/liter the equation yields:

100,000,000*3.785*(10+8)*2.2046*1/1,000,000 = 15,020 lbs

Uncontrolled Loading Emissions Factor, L = 12.46 SPM/T in lb VOC/1,000 gallons product loaded
for S =1.0 (dimensionless); VP = 5.73 psia of VOC; M = 65 lb/lb-mole; T= 530 deg R
= 12.46*(1)*(5.73)*65/530
= 8.75609 lb / 1,000 gallons gasoline loaded

Uncontrolled Total VOC Emissions = Annual Loading Volume (M gallons) x Loading Emission Factor (lbs VOC per M gallons loaded)
for 100,000,000 gallons loaded, and a loading factor of 8.75609 lbsVOC per 1,000 gallons loaded
= 100,000,000*8.75609/1,000
= 875,609 lbs VOC

Load DIS-Rail

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	-	Total VOC	100.00%	0.0	-	0.0	-
		Benzene	#DIV/0!	0.0	-	0.0	-
		Ethylbenzene	#DIV/0!	0.0	-	0.0	-
Uncontrolled Tank-Truck Splash		Hexane (-n)	#DIV/0!	0.0	-	0.0	-
Loading Emission Factor (mg/l)	4.00	Iso-octane		0.0	-	0.0	-
		MTBE		0.0	-	0.0	-
Uncontrolled Tank-Truck		Toluene	#DIV/0!	0.0	-	0.0	-
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	#DIV/0!	0.0	-	0.0	-
		Biphenyl		0.0	-	0.0	-
Distillate Loading Rack Loss (lb/year)	-	Cresol		0.0	-	0.0	-
		Cumeme		0.0	-	0.0	-
Top Load Fugitive Loss (lb/year)	-	Naphthalene	#DIV/0!	0.0	-	0.0	-
		Phenol	#DIV/0!	0.0	-	0.0	-
		Total HAP Species*	#DIV/0!	0.0	-	0.0	-
		Non Hap VOC	#DIV/0!	0.0	-	0.0	-
		Total VOC		0.0		0.0	
		Total HAP		0.0		0.0	
		Highest Single HAP					
		Benzene		-		-	-

Sample Calculations

Volume of distillate top loaded (gallons)*3.785 litres/gallon*4.0 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 mg= emissions (lbs)

For 100,000,000 distillate gallons top loaded the equation yields:

100,000,000*3.785*4*2.2046*1/1,000,000 = 3,338 lbs
Top load emissions are all fugitive

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Load DIS-Truck

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	900.00	Total VOC	100.00%	12766.9	6.383	0.0	-
		Benzene	0.21%	26.8	0.013	0.0	-
		Ethylbenzene	0.31%	39.6	0.020	0.0	-
Uncontrolled Tank-Truck Splash		Hexane (-n)	0.04%	26.8	0.013	0.0	-
Loading Emission Factor (mg/l)	4.00	Iso-octane		0.0	-	0.0	-
		MTBE		0.0	-	0.0	-
Uncontrolled Tank-Truck		Toluene	2.36%	301.3	0.151	0.0	-
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	5.77%	736.7	0.368	0.0	-
		Biphenyl		0.0	-	0.0	-
Distillate Loading Rack Loss (lb/year)	12,767	Cresol		0.0	-	0.0	-
		Cumeme		0.0	-	0.0	-
Top Load Fugitive Loss (lb/year)	-	Naphthalene	0.05%	6.4	0.003	0.0	-
		Phenol		0.0	-	0.0	-
		Total HAP Species*	8.74%	1137.5	0.569	0.0	-
		Non Hap VOC	91.26%	11629.4	5.815	0.0	-

Total VOC	12766.9		0.0		
Total HAP	1137.5		0.0		
Highest Single HAP					
Xylene (-m)		736.7		-	0.368

Sample Calculations

Volume of distillate top loaded (gallons)*3.785 litres/gallon*4.0 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 mg= emissions (lbs)

For 100,000,000 distillate gallons top loaded the equation yields:

100,000,000*3.785*4*2.2046*1/1,000,000 = 3,338 lbs
Top load emissions are all fugitive

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Fugitive VOC Emissions

Count				Light	Heavy	Gas		
Light	Heavy	Gas		Factor (lbs/hr)	Factor (lbs/hr)	Factor (lbs/hr)	Lbs/Hr	Lbs/Year
59	120	7	Valves	9.48E-05	9.48E-05	2.87E-05	1.72E-02	1.5E+02
3	3	-	Pumps	1.19E-03	1.19E-03	1.43E-04	7.14E-03	6.3E+01
-	-	-	Other	2.87E-04	2.87E-04	2.65E-04	0.00E+00	0.0E+00
6	6	-	Loading Arm Valve	9.48E-05	9.48E-05	2.87E-05	1.14E-03	1.0E+01
225	443	24	Flanges	1.76E-05	1.76E-05	9.26E-05	1.40E-02	1.2E+02
							Total	345.56

		Light Liquid Fraction	Light Liquid Lbs/Year	Heavy Liquid Fraction	Heavy Liquid Lbs/Year	Gas Fraction	Gas Lbs/Year	Total Lbs/Year
Total VOC		100.00%	120.30	100.00%	204.33	100.00%	20.93	345.56
Benzene	00071-43-2	1.80%	2.17	0.001%	0.00	0.50%	0.10	2.27
Ethylbenzene	00100-41-4	1.40%	1.68	0.01%	0.03	0.04%	0.01	1.72
Hexane	00110-54-3	1.00%	1.20	N/A	N/A	0.46%	0.10	1.30
Isooctane	00540-84-1	4.00%	4.81	N/A	N/A	0.56%	0.12	4.93
MTBE	01634-04-4		0.00	N/A	N/A	0.00%	0.00	0.00
Toluene	00108-88-3	7.00%	8.42	0.03%	0.07	0.54%	0.11	8.60
Xylene (-m)	00108-38-3	7.00%	8.42	0.29%	0.59	0.15%	0.03	9.05
biphenyl	00092-52-4	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Cresol (-o)	00095-48-7	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Cumene	00098-82-8	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Naphthalene	00091-20-3	N/A	N/A	0.10%	0.20	N/A	N/A	0.20
0	0.00%	N/A	N/A	0.00%	0.00	N/A	N/A	0.00
Total HAPS		22.20%	26.71	0.44%	0.89	2.25%	0.47	28.07
Non Hap VOC		77.80%	93.60	99.56%	203.44	97.75%	20.46	317.49

* Based on facility-specific equipment component counts and EPA, November 1995, Equipment Leak Emission Factors.

HAP	VAPOR FRACTION Gasoline			Liquid Speciation Weight Fraction Gasoline (used for liquid fugitives)			Liquid Weight Fraction Distillate	Vapor Fraction (calculated) Distillate	Additive Tanks	Vapor Faction Av Gas	HAP	Cas Numbers	Texas TNRCC Numbers
	Conventional	Blending	Reformulated/ Oxygenate	Reformulated	Blending	Conventional							
Benzene	0.50%					1.80%	0.000008	0.00210			Benzene	00071-43-2	
Ethylbenzene	0.04%					1.40%	0.000130	0.00310	0.264		Ethylbenzene	00100-41-4	
Hexane	0.46%					1.00%	0.000001	0.00040			Hexane	00110-54-3	
Isooctane	0.56%					4.00%					Isooctane	00540-84-1	
MTBE											MTBE	01634-04-4	
Toluene	0.54%					7.00%	0.000320	0.02360			Toluene	00108-88-3	
Xylene (-m)	0.15%					7.00%	0.002900	0.05770	0.736		Xylene (-m)	00108-38-3	
Biphenyl											Biphenyl	00092-52-4	
Cresol (-o)											Cresol (-o)	00095-48-7	
Cumene											Cumene	00098-82-8	
Naphthalene							0.001000	0.00050			Naphthalene	00091-20-3	

Tank No.	21	22	23	25	26	30	27**		
Tank Diam	60	35	35	34	90	60	90		
Heel Height	4.0	4.0	4.0	4.0	4.0	4.0	3.0		
Volume ft3	11,310	3,848	3,848	3,632	25,447	11,310	19,085		
Vol bbl	2,014	685	685	647	4,533	2,014	3,399		
Volume gal	84,608	28,790	28,790	27,169	190,368	84,608	142,776		
Vol liters	320,241	108,971	108,971	102,833	720,543	320,241	540,407		
Avg Temp F	60.65	60.65	60.65	60.65	60.65	60.65	60.65		
Avg Temp K	289.07	289.07	289.07	289.07	289.07	289.07	289.07		
temp corr	0.9449	0.9449	0.9449	0.9449	0.9449	0.9449	0.9449		
moles	13,509	4,597	4,597	4,338	30,396	13,509	22,797		
VP of VOC(psia)	7.55	7.55	7.55	7.55	7.55	7.55	8.01		
VOC theo fraction	0.51	0.51	0.51	0.51	0.51	0.51	0.55		
Sat Factor	0.60	0.60	0.60	0.60	0.60	0.60	0.60		
moles VOC	4,163	1,417	1,417	1,337	9,367	4,163	7,456		
mol weight g/g-mole	62.00	62.00	62.00	62.00	62.00	62.00	50.00		
VOC grams/landing	258,110	87,829	87,829	82,882	580,748	258,110	372,800		
VOC lbs/landing	569.03	194	194	183	1,280	569	822		
VOC tons/landing	0.28	0.10	0.10	0.09	0.64	0.28	0.41		
land/yr	3	3	3	3	3	3	1		
average days per landing	3.0	3.0	3.0	3.0	3.0	3.0	2.0		
VOC lb filling	1,707	581	581	548	3,841	1,707	822		
VOC lb standing	778	265	265	250	1,751	778	250		
VOC lb/hr when landing	12	4	4	4	26	12	22		
VOC lb/day when landing	829	282	282	266	1,864	829	536		
Total VOC lbs	2,486	846	846	798	5,592	2,486	1,072		
Total VOC tons	1.24	0.42	0.42	0.40	2.80	1.24	0.54		

Total VOC	100.00%	2,486	846	846	798	5,592	2,486	1,072		
Benzene	0.50%	12	4	4	4	28	12	5		
Ethylbenzene	0.04%	1	0	0	0	2	1	0		
Hexane (-n)	0.46%	11	4	4	4	26	11	5		
Iso-octane	0.56%	14	5	5	4	31	14	6		
MTBE	0.00%	-	-	-	-	-	-	-		
Toluene	0.54%	13	5	5	4	30	13	6		
Xylene (-m)	0.15%	4	1	1	1	8	4	2		
Biphenyl	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Cresol	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Cumeme	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Phenol	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Total HAP Species*	2.25%	56	19	19	18	126	56	24		
Non Hap VOC	97.75%	2,430	827	827	780	5,467	2,430	1,048		

July																
Tank Cleaned		1 T as IFR		1 T as FRT @ Leg Height			**Total Degassing**					**Sludge Removal**				
	Working	Breathing	Total	Working	Breathing	Total		Tank Diameter (D)(ft)	Evaporation Rate (%)	Sludge Depth (d_s)(in)	Stock Liquid Density (W_l)(lb/gal)(from table 3 in API TR 2568)	$L_{SR} = 0.49\ F_e D^2\ d_s\ W_l$	**TOTAL**			
Tank 23	1.90	0.61	2.51	0.92	0.59	1.51	**4.02**	35	5	0.25	7.1	**53**	**57**	Benzene	0.0021	**0**
Dist														Ethylbenzene	0.0031	**0**
														Hexane	0.0004	**0**
														Isooctane	0.0000	**0**
														MTBE	0.0000	**0**
														Toluene	0.0236	**1**
														Xylene (-m)	0.0577	**3**
														Naphthalene	0.0005	**0**
July															0.9126	**52**
Tank Cleaned		1 T as IFR		1 T as FRT @ Leg Height			**Total Degassing**					**Sludge Removal**				57.29
	Working	Breathing	Total	Working	Breathing	Total		Tank Diameter (D)(ft)	Evaporation Rate (%)	Sludge Depth (d_s)(in)	Stock Liquid Density (W_l)(lb/gal)(from table 3 in API TR 2568)	$L_{SR} = 0.49\ F_e D^2\ d_s\ W_l$	**TOTAL**			
Tank 26	5.56	1.74	7.30	6.08	4.67	10.75	**18.05**	90	5	0.25	7.1	**352**	**370**	Benzene	0.0021	**1**
Dist														Ethylbenzene	0.0031	**1**
														Hexane	0.0000	**0**
														Isooctane	0.0000	**0**
														MTBE	0.0000	**0**
														Toluene	0.0236	**9**
														Xylene (-m)	0.0577	**21**
														Naphthalene	0.0005	**0**
March															0.9130	**338**
Tank Cleaned		1 T as IFR		1 T as FRT @ Leg Height			**Total Degassing**					**Sludge Removal**				370.30
	Working	Breathing	Total	Working	Breathing	Total		Tank Diameter (D)(ft)	Evaporation Rate (%)	Sludge Depth (d_s)(in)	Stock Liquid Density (W_l)(lb/gal)(from table 3 in API TR 2568)	$L_{SR} = 0.49\ F_e D^2\ d_s\ W_l$	**TOTAL**			
Tank 25	1.60	272.94	274.54	333.93	487.65	821.58	**1,096.12**	34	10	0.25	5.6	**79**	**1,175**	Benzene	0.0050	**6**
Gas														Ethylbenzene	0.0004	**0**
														Hexane	0.0046	**5**
														Isooctane	0.0056	**7**
														MTBE	0.0000	**0**
														Toluene	0.0054	**6**
														Xylene (-m)	0.0015	**2**
														Naphthalene	0.0000	**0**
															0.9775	**1,149**
																1,175.42
													TOTALS:	**Benzene**		**7**
														Ethylbenzene		**2**
														Hexane		**5**
														Isooctane		**7**
														MTBE		**0**
														Toluene		**16**
														Xylene (-m)		**26**
														Naphthalene		**0**
																1,539
																1,603

Product Water / Mixture

	Vapor Fraction	Tank 34 Lb/Year	Tank Lb/Year	Tank Lb/Year		Total Lb/Year	Total Tons/Year		Corrected Lb/Year	CorrectedTon/Year
Total VOC	100.00%	54.62	0.00	0.00		54.62	0.03		54.62	0.027
Benzene	0.50%	0.27	0.00	0.00		0.27	0.00		0.27	0.000
Ethylbenzene	0.04%	0.02	0.00	0.00		0.02	0.00		0.02	0.000
Hexane (-n)	0.46%	0.25	0.00	0.00		0.25	0.00		0.25	0.000
Iso-octane	0.56%	0.31	0.00	0.00		0.31	0.00		0.31	0.000
MTBE	N/A					0.00	0.00		-	-
Toluene	0.54%	0.29	0.00	0.00		0.29	0.00		0.29	0.000
Xylene (-m)	0.15%	0.08	0.00	0.00		0.08	0.00		0.08	0.000
Biphenyl	N/A					0.00	0.00		-	-
Cresol	N/A					0.00	0.00		-	-
Cumeme	N/A					0.00	0.00		-	-
Naphthalene	N/A					0.00	0.00		-	-
Phenol	N/A					0.00	0.00		-	-
Total HAP Species*	2.25%	1.23	0.00	0.00		1.23	0.00		1.23	0.001
Non Hap VOC	97.75%	53.39	0.00	0.00		53.39	0.03		53.39	0.001

Fuel Consumption

Product	Unit	Gal/yr (Liquid)	SCF/yr (Gas)	Liters/year (Gas)	MMBTU/yr
Distillate	Furnace	1,113			
Propane	Generator	801		3,032	
Natural Gas					
Natural Gas					
Natural Gas					
Natural Gas					

Distillate Service

	Pollutant				
Pollutant	PM	SOx	NOx	VOC	CO
Factor - lb/1000 gal	2.00	52.54	20.00	0.20	5.00
lb/yr	2.23	58.48	22.26	0.22	5.57
tons/yr	0.00	0.03	0.01	0.00	0.00

* Emission factors used to estimate emissions are from AP-42 workbook.
Example calculation

= gal/yr / 1000 gal * emission factor

Natural Gas Service

	lbs Pollutant / MM SCF				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	7.600	0.600	100.000	5.500	84.000
lb/yr	0.0000	0.0000	0.0000	0.0000	0.0000
tons/yr	0.0000	0.0000	0.0000	0.0000	0.0000

* Emission factors used to estimate emissions are from AP-42 section 1.4, tables 1.4-1, 1.4-2, and 1.4-3.

Example Calculation of Natural Gas Useage

= Natural Gas Used 0 SCF/yr
= Natural Gas Used / 1,000,000 * Emission factor 0.000 MMSCF natural gas

Gasoline Vapor Service

	lbs Pollutant /10^6 liter (PM) or mg/liter (NOx and CO)				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	4	NA	10
lb/yr	0.00	0.00	0.00	NA	0.00
tons/yr	0.00	0.00	0.00	NA	0.00

Propane Vapor Service

	lbs Pollutant/ 10^6 liter or lbs/10^6 BTU (CO and NOx)				
Pollutant	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	0.068	NA	0.37
lb/yr	0.00	0.00	0.00	NA	0.00
tons/yr	0.00	0.00	0.00	NA	0.00

VCU Gasoline Combustion

0 gallons of gasoline loaded at the rack
20 micrograms/liter PM2.5 emission factor — * flare soot emission factor from AP-42 Table 13.5-1 (assumes nearly no smoke)

VCU Propane Combustion

0 gallons of propane combusted
36.3 cubic feet gas/gallon of propane — ** from NGPA publication 2145-71
20 micrograms/liter PM2.5 emission factor — * flare soot emission factor from AP-42 Table 13.5-1 (assumes nearly no smoke)

Total of all Services

Pollutant	PM	SOx	NOx	VOC	CO
lb/yr	2.23	58.48	22.26	0.22	5.57
tons/yr	0.00	0.03	0.01	0.00	0.00

Note: Sulfur content assumed to be 0.37%
Note: These emissions are from Gasoline combustion and pilot light gas. Gasoline VOC's are already accounted for in the VDU effiency (i.e. 10 mg/l loaded). The pilot gas is basically propane, and contributes almost no non-propane VOC's.

Attachment I

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	TANK 27- HC IFR
City:	New Windsor
State:	New York
Company:	Global
Type of Tank:	Internal Floating Roof Tank
Description:	

Tank Dimensions

Diameter (ft):	90.00
Volume (gallons):	2,056,950.00
Turnovers:	328.16
Self Supp. Roof? (y/n):	N
No. of Columns:	6.00
Eff. Col. Diam. (ft):	1.10

Paint Characteristics

Internal Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Condition	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Mechanical Shoe
Secondary Seal	Rim-mounted

Deck Characteristics

Deck Fitting Category:	Detail
Deck Type:	Bolted
Construction:	Panel
Deck Seam:	Panel: 5 x 10 ft (HC)
Deck Seam Len. (ft):	1,908.52

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1
Automatic Gauge Float Well/Bolted Cover, Gasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	6
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Stub Drain (1-in. Diameter)/Slit Fabric Seal 10% Open	65
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1

Meterological Data used in Emissions Calculations: New York City, New York (Avg Atmospheric Pressure = 14.73 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

TANK 27- HC IFR - Internal Floating Roof Tank
New Windsor, New York

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Crude Oil (RVP 11)	All	56.40	52.15	60.65	54.71	8.0130	N/A	N/A	50.0000			207.00	Option 4: RVP=11

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

TANK 27- HC IFR - Internal Floating Roof Tank
New Windsor, New York

Annual Emission Calcaulations	
Rim Seal Losses (lb):	209.2911
Seal Factor A (lb-mole/ft-yr):	0.6000
Seal Factor B (lb-mole/ft-yr (mph)^n):	0.4000
Value of Vapor Pressure Function:	0.1938
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	8.0130
Tank Diameter (ft):	90.0000
Vapor Molecular Weight (lb/lb-mole):	50.0000
Product Factor:	0.4000
Withdrawal Losses (lb):	7,699.5950
Number of Columns:	6.0000
Effective Column Diameter (ft):	1.1000
Annual Net Throughput (gal/yr.):	675,000,000.0000
Shell Clingage Factor (bbl/1000 sqft):	0.0060
Average Organic Liquid Density (lb/gal):	7.1000
Tank Diameter (ft):	90.0000
Deck Fitting Losses (lb):	1,374.3450
Value of Vapor Pressure Function:	0.1938
Vapor Molecular Weight (lb/lb-mole):	50.0000
Product Factor:	0.4000
Tot. Roof Fitting Loss Fact.(lb-mole/yr):	354.6000
Deck Seam Losses (lb):	80.0539
Deck Seam Length (ft):	1,908.5159
Deck Seam Loss per Unit Length Factor (lb-mole/ft-yr):	0.0085
Deck Seam Length Factor(ft/sqft):	0.3000
Tank Diameter (ft):	90.0000
Vapor Molecular Weight (lb/lb-mole):	50.0000
Product Factor:	0.4000
Total Losses (lb):	9,363.2850

Roof Fitting/Status	Quantity	Roof Fitting Loss Factors KFa(lb-mole/yr)	KFb(lb-mole/(yr mph^n))	m	Losses(lb)
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1	1.60	0.00	0.00	6.2012
Automatic Gauge Float Well/Bolted Cover, Gasketed	1	2.80	0.00	0.00	10.8521
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	6	33.00	0.00	0.00	767.4008
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1	56.00	0.00	0.00	217.0426
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1	12.00	0.00	0.00	46.5091
Stub Drain (1-in. Diameter)/	65	1.20	0.00	0.00	302.3094
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1	6.20	1.20	0.94	24.0297

TANKS 4.0.9d
Emissions Report - Detail Format

Individual Tank Emission Totals

Emissions Report for: Annual

TANK 27- HC IFR - Internal Floating Roof Tank
New Windsor, New York

	Losses(lbs)				
Components	Rim Seal Loss	Withdrawl Loss	Deck Fitting Loss	Deck Seam Loss	Total Emissions
Crude Oil (RVP 11)	209.29	7,699.60	1,374.34	80.05	9,363.28

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	TANK 29 - HC IFR
City:	New Windsor
State:	New York
Company:	Global
Type of Tank:	Internal Floating Roof Tank
Description:	

Tank Dimensions

Diameter (ft):	140.00
Volume (gallons):	4,675,860.00
Turnovers:	144.36
Self Supp. Roof? (y/n):	N
No. of Columns:	9.00
Eff. Col. Diam. (ft):	1.10

Paint Characteristics

Internal Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Condition	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Mechanical Shoe
Secondary Seal	Rim-mounted

Deck Characteristics

Deck Fitting Category:	Detail
Deck Type:	Bolted
Construction:	Panel
Deck Seam:	Panel: 5 x 10 ft (HC)
Deck Seam Len. (ft):	4,618.14

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1
Automatic Gauge Float Well/Bolted Cover, Gasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	9
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Stub Drain (1-in. Diameter)/Slit Fabric Seal 10% Open	65
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1

Meterological Data used in Emissions Calculations: New York City, New York (Avg Atmospheric Pressure = 14.73 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

TANK 29 - HC IFR - Internal Floating Roof Tank
New Windsor, New York

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Crude Oil (RVP 11)	All	56.40	52.15	60.65	54.71	8.0130	N/A	N/A	50.0000			207.00	Option 4: RVP=11

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

TANK 29 - HC IFR - Internal Floating Roof Tank
New Windsor, New York

Annual Emission Calcaulations	
Rim Seal Losses (lb):	325.5640
Seal Factor A (lb-mole/ft-yr):	0.6000
Seal Factor B (lb-mole/ft-yr (mph)^n):	0.4000
Value of Vapor Pressure Function:	0.1938
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	8.0130
Tank Diameter (ft):	140.0000
Vapor Molecular Weight (lb/lb-mole):	50.0000
Product Factor:	0.4000
Withdrawal Losses (lb):	4,937.6618
Number of Columns:	9.0000
Effective Column Diameter (ft):	1.1000
Annual Net Throughput (gal/yr.):	675,000,000.0000
Shell Clingage Factor (bbl/1000 sqft):	0.0060
Average Organic Liquid Density (lb/gal):	7.1000
Tank Diameter (ft):	140.0000
Deck Fitting Losses (lb):	1,758.0454
Value of Vapor Pressure Function:	0.1938
Vapor Molecular Weight (lb/lb-mole):	50.0000
Product Factor:	0.4000
Tot. Roof Fitting Loss Fact.(lb-mole/yr):	453.6000
Deck Seam Losses (lb):	193.7106
Deck Seam Length (ft):	4,618.1373
Deck Seam Loss per Unit Length Factor (lb-mole/ft-yr):	0.0085
Deck Seam Length Factor(ft/sqft):	0.3000
Tank Diameter (ft):	140.0000
Vapor Molecular Weight (lb/lb-mole):	50.0000
Product Factor:	0.4000
Total Losses (lb):	7,214.9816

Roof Fitting/Status	Quantity	Roof Fitting Loss Factors KFa(lb-mole/yr)	KFb(lb-mole/(yr mph^n))	m	Losses(lb)
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1	1.60	0.00	0.00	6.2012
Automatic Gauge Float Well/Bolted Cover, Gasketed	1	2.80	0.00	0.00	10.8521
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	9	33.00	0.00	0.00	1,151.1011
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1	56.00	0.00	0.00	217.0426
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1	12.00	0.00	0.00	46.5091
Stub Drain (1-in. Diameter)/	65	1.20	0.00	0.00	302.3094
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1	6.20	1.20	0.94	24.0297

TANKS 4.0.9d
Emissions Report - Detail Format

Individual Tank Emission Totals

Emissions Report for: Annual

TANK 29 - HC IFR - Internal Floating Roof Tank
New Windsor, New York

	Losses(lbs)				
Components	Rim Seal Loss	Withdrawl Loss	Deck Fitting Loss	Deck Seam Loss	Total Emissions
Crude Oil (RVP 11)	325.56	4,937.66	1,758.05	193.71	7,214.98

TANKS 4.0.9d
Emissions Report - Detail Format
Total Emissions Summaries - All Tanks in Report

Emissions Report for: Annual

Tank Identification				Losses (lbs)
TANK 27- HC IFR	Global	Internal Floating Roof Tank	New Windsor, New York	9,363.28
TANK 29 - HC IFR	Global	Internal Floating Roof Tank	New Windsor, New York	7,214.98
Total Emissions for all Tanks:				16,578.27

TANKS 4.0.9d
Emissions Report - Summary Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2013 PTE Example - Heated Product 1
City:	
State:	New York
Company:	Global
Type of Tank:	Internal Floating Roof Tank
Description:	Kb

Tank Dimensions

Diameter (ft):	120.00
Volume (gallons):	3,715,740.00
Turnovers:	124.47
Self Supp. Roof? (y/n):	N
No. of Columns:	7.00
Eff. Col. Diam. (ft):	1.00

Paint Characteristics

Internal Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Condition	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Mechanical Shoe
Secondary Seal	Rim-mounted

Deck Characteristics

Deck Fitting Category:	Detail
Deck Type:	Bolted
Construction:	Sheet
Deck Seam:	Sheet: 5 Ft Wide
Deck Seam Len. (ft):	2,261.94

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1
Automatic Gauge Float Well/Bolted Cover, Gasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	7
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Stub Drain (1-in. Diameter)/Slit Fabric Seal 10% Open	125
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1

Meterological Data used in Emissions Calculations: Albany - 60*F, New York (Avg Atmospheric Pressure = 14.59 psia)

TANKS 4.0.9d
Emissions Report - Summary Format
Liquid Contents of Storage Tank

2013 PTE Example - Heated Product 1 - Internal Floating Roof Tank
New Windsor, New York

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Crude Oil (RVP 7.5)	All	65.34	62.57	68.11	63.73	5.5166	N/A	N/A	50.0000			207.00	Option 4: RVP=7.5
1,2,4-Trimethylbenzene						0.0252	N/A	N/A	120.1900	0.0033	0.0001	120.19	Option 2: A=7.04383, B=1573.267, C=208.56
2,2,4-Trimethylpentane (isooctane)						0.6934	N/A	N/A	114.2300	0.0010	0.0005	114.23	Option 2: A=6.8118, B=1257.84, C=220.74
Benzene						1.3517	N/A	N/A	78.1100	0.0060	0.0061	78.11	Option 2: A=6.905, B=1211.033, C=220.79
Cyclohexane						1.3974	N/A	N/A	84.1600	0.0070	0.0073	84.16	Option 2: A=6.841, B=1201.53, C=222.65
Ethylbenzene						0.1304	N/A	N/A	106.1700	0.0040	0.0004	106.17	Option 2: A=6.975, B=1424.255, C=213.21
Hexane (-n)						2.1948	N/A	N/A	86.1700	0.0040	0.0066	86.17	Option 2: A=6.876, B=1171.17, C=224.41
Isopropyl benzene						0.0586	N/A	N/A	120.2000	0.0010	0.0000	120.20	Option 2: A=6.93666, B=1460.793, C=207.78
Toluene						0.3890	N/A	N/A	92.1300	0.0100	0.0029	92.13	Option 2: A=6.954, B=1344.8, C=219.48
Unidentified Components						6.1042	N/A	N/A	49.4704	0.9497	0.9749	220.76	
Xylene (-m)						0.1088	N/A	N/A	106.1700	0.0140	0.0011	106.17	Option 2: A=7.009, B=1462.266, C=215.11

TANKS 4.0.9d
Emissions Report - Summary Format
Individual Tank Emission Totals

Emissions Report for: Annual

2013 PTE Example - Heated Product 1 - Internal Floating Roof Tank
New Windsor, New York

	Losses(lbs)				
Components	Rim Seal Loss	Withdrawl Loss	Deck Fitting Loss	Deck Seam Loss	Total Emissions
Crude Oil (RVP 7.5)	170.20	3,736.59	1,086.42	953.10	5,946.31
Hexane (-n)	1.12	14.95	7.16	6.28	29.51
Benzene	1.04	22.42	6.61	5.80	35.87
2,2,4-Trimethylpentane (isooctane)	0.09	3.74	0.57	0.50	4.89
Toluene	0.50	37.37	3.17	2.78	43.82
Ethylbenzene	0.07	14.95	0.43	0.37	15.81
Xylene (-m)	0.19	52.31	1.24	1.09	54.84
Isopropyl benzene	0.01	3.74	0.05	0.04	3.83
1,2,4-Trimethylbenzene	0.01	12.33	0.07	0.06	12.47
Cyclohexane	1.25	26.16	7.98	7.00	42.38
Unidentified Components	165.92	3,548.64	1,059.15	929.18	5,702.90

TANKS 4.0.9d
Emissions Report - Summary Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2013 PTE Example - Heated Product 2
City:	
State:	New York
Company:	Global
Type of Tank:	Internal Floating Roof Tank
Description:	Kb

Tank Dimensions

Diameter (ft):	120.00
Volume (gallons):	3,715,740.00
Turnovers:	124.47
Self Supp. Roof? (y/n):	N
No. of Columns:	7.00
Eff. Col. Diam. (ft):	1.00

Paint Characteristics

Internal Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Condition	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Mechanical Shoe
Secondary Seal	Rim-mounted

Deck Characteristics

Deck Fitting Category:	Detail
Deck Type:	Bolted
Construction:	Sheet
Deck Seam:	Sheet: 5 Ft Wide
Deck Seam Len. (ft):	2,261.94

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1
Automatic Gauge Float Well/Bolted Cover, Gasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	7
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Stub Drain (1-in. Diameter)/Slit Fabric Seal 10% Open	125
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1

Meterological Data used in Emissions Calculations: Albany - 100*F, New York (Avg Atmospheric Pressure = 14.59 psia)

TANKS 4.0.9d
Emissions Report - Summary Format
Liquid Contents of Storage Tank

2013 PTE Example - Heated Product 2 - Internal Floating Roof Tank
New Windsor, New York

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Crude oil (RVP 5)	All	101.63	100.20	103.06	100.02	6.1345	N/A	N/A	50.0000			207.00	Option 4: RVP=5
1,2,4-Trimethylbenzene						0.0927	N/A	N/A	120.1900	0.0033	0.0002	120.19	Option 2: A=7.04383, B=1573.267, C=208.56
2,2,4-Trimethylpentane (isooctane)						1.7764	N/A	N/A	114.2300	0.0010	0.0012	114.23	Option 2: A=6.8118, B=1257.84, C=220.74
Benzene						3.3425	N/A	N/A	78.1100	0.0060	0.0135	78.11	Option 2: A=6.905, B=1211.033, C=220.79
Cyclohexane						3.3858	N/A	N/A	84.1600	0.0070	0.0160	84.16	Option 2: A=6.841, B=1201.53, C=222.65
Ethylbenzene						0.4047	N/A	N/A	106.1700	0.0040	0.0011	106.17	Option 2: A=6.975, B=1424.255, C=213.21
Hexane (-n)						5.1382	N/A	N/A	86.1700	0.0040	0.0139	86.17	Option 2: A=6.876, B=1171.17, C=224.41
Isopropyl benzene						0.1977	N/A	N/A	120.2000	0.0010	0.0001	120.20	Option 2: A=6.93666, B=1460.793, C=207.78
Toluene						1.0746	N/A	N/A	92.1300	0.0100	0.0073	92.13	Option 2: A=6.954, B=1344.8, C=219.48
Unidentified Components						6.6626	N/A	N/A	48.7768	0.9497	0.9435	220.76	
Xylene (-m)						0.3417	N/A	N/A	106.1700	0.0140	0.0032	106.17	Option 2: A=7.009, B=1462.266, C=215.11

TANKS 4.0.9d
Emissions Report - Summary Format
Individual Tank Emission Totals

Emissions Report for: Annual

2013 PTE Example - Heated Product 2 - Internal Floating Roof Tank
New Windsor, New York

	Losses(lbs)				
Components	Rim Seal Loss	Withdrawl Loss	Deck Fitting Loss	Deck Seam Loss	Total Emissions
2,2,4-Trimethylpentane (isooctane)	0.23	3.90	1.49	1.31	6.94
Toluene	1.42	39.01	9.04	7.93	57.39
Ethylbenzene	0.21	15.61	1.36	1.19	18.37
Xylene (-m)	0.63	54.62	4.02	3.53	62.80
Isopropyl benzene	0.03	3.90	0.17	0.15	4.24
1,2,4-Trimethylbenzene	0.04	12.87	0.26	0.23	13.40
Cyclohexane	3.12	27.31	19.93	17.48	67.84
Unidentified Components	184.15	3,705.20	1,175.48	1,031.23	6,096.06
Crude oil (RVP 5)	195.18	3,901.44	1,245.89	1,093.00	6,435.51
Hexane (-n)	2.71	15.61	17.28	15.16	50.75
Benzene	2.64	23.41	16.86	14.79	57.71

TANKS 4.0.9d
Emissions Report - Summary Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2013 PTE Example - Bakken Crude
City:	
State:	New York
Company:	Global
Type of Tank:	Internal Floating Roof Tank
Description:	Kb

Tank Dimensions

Diameter (ft):	120.00
Volume (gallons):	3,715,740.00
Turnovers:	124.47
Self Supp. Roof? (y/n):	N
No. of Columns:	7.00
Eff. Col. Diam. (ft):	1.00

Paint Characteristics

Internal Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Condition	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Mechanical Shoe
Secondary Seal	Rim-mounted

Deck Characteristics

Deck Fitting Category:	Detail
Deck Type:	Bolted
Construction:	Sheet
Deck Seam:	Sheet: 5 Ft Wide
Deck Seam Len. (ft):	2,261.94

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1
Automatic Gauge Float Well/Bolted Cover, Gasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Gask.	7
Ladder Well (36-in. Diam.)/Sliding Cover, Gasketed	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Stub Drain (1-in. Diameter)/Slit Fabric Seal 10% Open	125
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1

Meterological Data used in Emissions Calculations: Albany, New York (Avg Atmospheric Pressure = 14.59 psia)

TANKS 4.0.9d
Emissions Report - Summary Format
Liquid Contents of Storage Tank

2013 PTE Example - Bakken Crude - Internal Floating Roof Tank
New Windsor, New York

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Crude Oil (RVP 11)	All	48.97	43.66	54.29	47.37	7.0858	N/A	N/A	50.0000			207.00	Option 4: RVP=11
1,2,4-Trimethylbenzene						0.0130	N/A	N/A	120.1900	0.0033	0.0000	120.19	Option 2: A=7.04383, B=1573.267, C=208.56
2,2,4-Trimethylpentane (isooctane)						0.4299	N/A	N/A	114.2300	0.0010	0.0003	114.23	Option 2: A=6.8118, B=1257.84, C=220.74
Benzene						0.8532	N/A	N/A	78.1100	0.0060	0.0030	78.11	Option 2: A=6.905, B=1211.033, C=220.79
Cyclohexane						0.8915	N/A	N/A	84.1600	0.0070	0.0036	84.16	Option 2: A=6.841, B=1201.53, C=222.65
Ethylbenzene						0.0732	N/A	N/A	106.1700	0.0040	0.0002	106.17	Option 2: A=6.975, B=1424.255, C=213.21
Hexane (-n)						1.4254	N/A	N/A	86.1700	0.0040	0.0033	86.17	Option 2: A=6.876, B=1171.17, C=224.41
Isopropyl benzene						0.0315	N/A	N/A	120.2000	0.0010	0.0000	120.20	Option 2: A=6.93666, B=1460.793, C=207.78
Toluene						0.2320	N/A	N/A	92.1300	0.0100	0.0014	92.13	Option 2: A=6.954, B=1344.8, C=219.48
Unidentified Components						7.8999	N/A	N/A	49.7434	0.9497	0.9877	220.76	
Xylene (-m)						0.0607	N/A	N/A	106.1700	0.0140	0.0005	106.17	Option 2: A=7.009, B=1462.266, C=215.11

TANKS 4.0.9d
Emissions Report - Summary Format
Individual Tank Emission Totals

Emissions Report for: Annual

2013 PTE Example - Bakken Crude - Internal Floating Roof Tank
New Windsor, New York

	Losses(lbs)				
Components	Rim Seal Loss	Withdrawl Loss	Deck Fitting Loss	Deck Seam Loss	Total Emissions
Crude Oil (RVP 11)	237.24	3,736.59	1,514.38	1,328.55	6,816.76
Hexane (-n)	0.79	14.95	5.04	4.43	25.21
Benzene	0.71	22.42	4.53	3.97	31.63
2,2,4-Trimethylpentane (isooctane)	0.06	3.74	0.38	0.33	4.51
Toluene	0.32	37.37	2.05	1.80	41.54
Ethylbenzene	0.04	14.95	0.26	0.23	15.47
Xylene (-m)	0.12	52.31	0.75	0.66	53.84
Isopropyl benzene	0.00	3.74	0.03	0.02	3.79
1,2,4-Trimethylbenzene	0.01	12.33	0.04	0.03	12.41
Cyclohexane	0.87	26.16	5.52	4.84	37.39
Unidentified Components	234.33	3,548.64	1,495.78	1,312.22	6,590.97

TANKS 4.0.9d
Emissions Report - Summary Format
Total Emissions Summaries - All Tanks in Report

Emissions Report for: Annual

Tank Identification				Losses (lbs)
2013 PTE Example - Heated Product 1	Global	Internal Floating Roof Tank	New Windsor, New York	5,946.31
2013 PTE Example - Heated Product 2	Global	Internal Floating Roof Tank	New Windsor, New York	6,435.51
2013 PTE Example - Bakken Crude	Global	Internal Floating Roof Tank	New Windsor, New York	6,816.76
Total Emissions for all Tanks:				19,198.58

Attachment J

LIMITS OF PROPOSED ASPHALT

LIMITS TO TOPOGRAPHIC SURVEY

MEAN HIGH WATER ELEVATION

HUDSON RIVER

HUDSON RIVER

APPROXIMATE LOCATION OF BOILER

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

NOTE: BASE MAP PROVIDED BY INGALLS & ASSOCIATES, LLP COMPLETED SEPTEMBER 2012

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ENVIROSPEC PROJECT #E12-662

envirospec ENGINEERING PLLC
16 COMPUTER DRIVE WEST
ALBANY, NY 12205
P:518.453.2203
F:518.453.2204

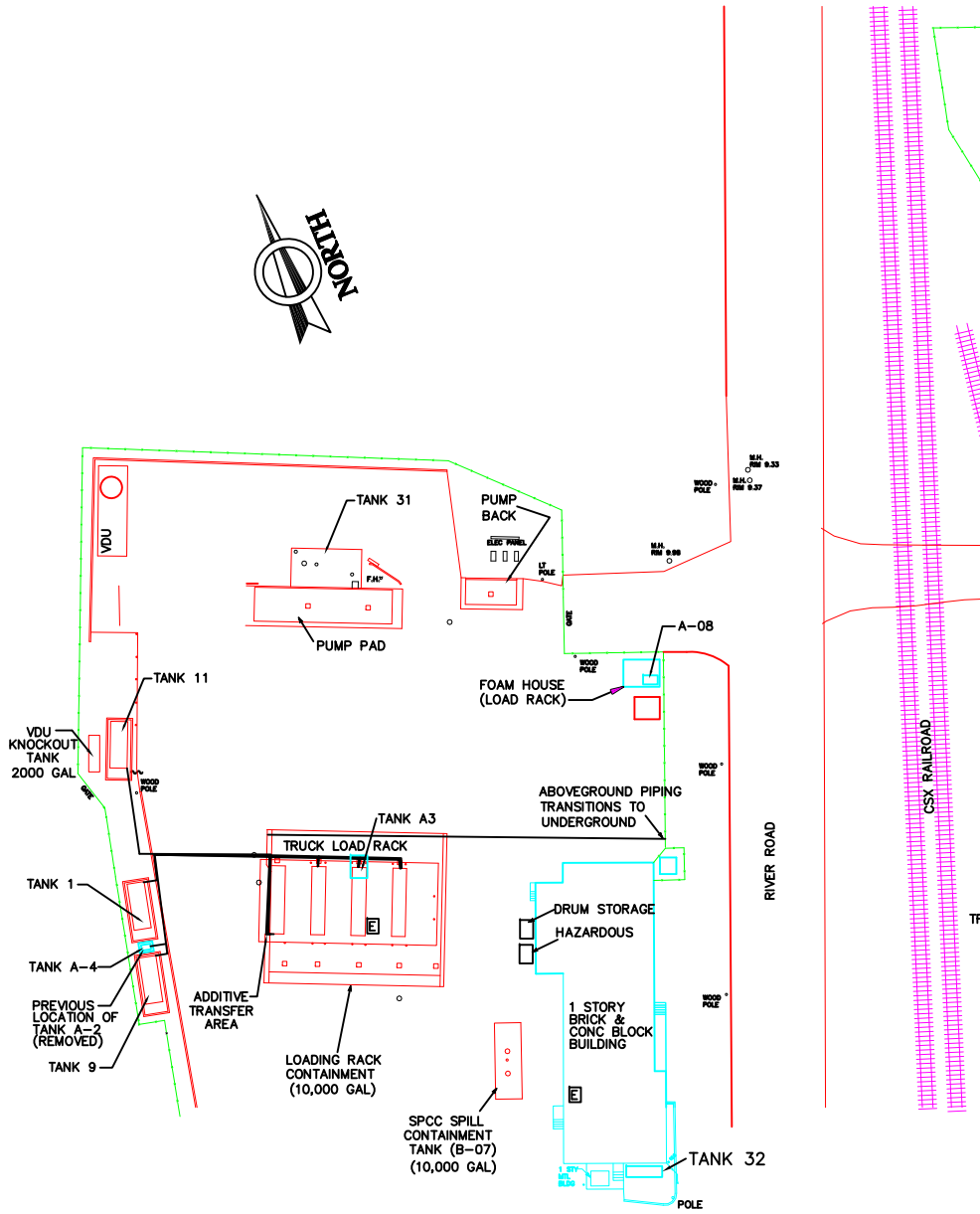
W.O.	No.	REVISION	DATE	DR.	CK.	APR.

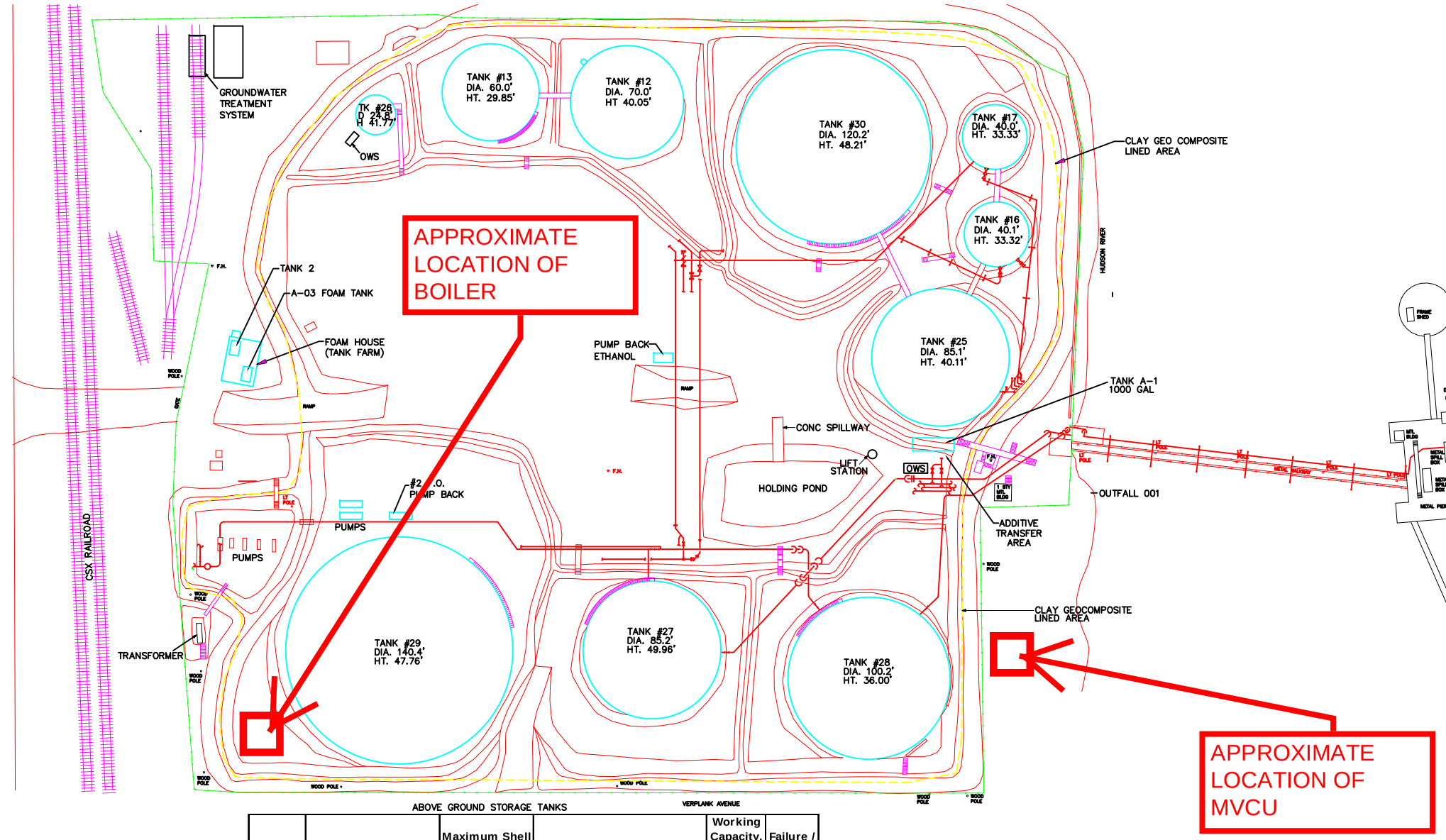
1220 RIVER ROAD
NEW WINDSOR, NEW YORK

PRELIMINARY RAIL PLAN

DRAWN	RLG	10/15/12
DESIGN		
CHECKED	MGR	10/15/12

SCALE	DRAWING No.	SHEET	REV. No.
1"=60'	PR-2		





BELOW GROUND STORAGE TANKS

Tank No.	Substance Stored	Shell Capacity, gals	Tank Type / Year	Working Capacity, gals	Failure / Cause
B-07	Process Rack	10,000	FRP-Underground / 1983	9,403	None

CONTAINMENT VOLUME ANALYSIS

		Tank Dike Measurements				
Tank ID	Shell Capacity, gals	Length, ft	Width, ft	Depth, ft	Volume, gals	Containment Capacity, %
1	8,000	26.5	11.5	4.5	10,263	129
2	275				330***	120
9	2,000	14.33	6.92	3.0	2,225	111
11	12,000	36.0	10.0	5.0	13,464	112
31	8,000				DW****	>110
32	1,000				DW****	>110
A4	4,000	14.00	10.83	4.00	4536	113
Drum Storage - Garage	55	4.33	4.0	0.5	66	120
Satellite Drum Storage - By Garage	55				65***	118

* Tank containment is under rain cover (freeboard for precipitation is not required).
** Field measurements
*** Pre-fabricated HDPE containment shell
**** Double walled tank with secondary containment

ABOVE GROUND STORAGE TANKS

Tank No.	Substance Stored	Maximum Shell Capacity, gals	Tank Type / Year	Working Capacity, gals	Failure / Cause
12	Ethanol	1,149,120	Steel-Carbon Steel - IFR / 1922	907,326	None
13	Ethanol	635,800	Steel-Carbon Steel - IFR / 1922	470,946	None
16	Distillate	310,212	Steel-Carbon Steel - VFR / 1929	216,342	None
17	Ethanol	310,212	Steel-Carbon Steel - IFR / 1929	213,948	None
25	Distillate	1,690,792	Steel-Carbon Steel - VFR / 1937	1,410,360	None
26	Water Contact	153,468	Steel-Carbon Steel - VFR / 1938	126,504	None
27	Gasoline	2,121,126	Steel-Carbon Steel - IFR / 1942	1,868,496	None
28	Gasoline	2,113,944	Steel-Carbon Steel - IFR / 1942	1,722,000	None
29	Distillate	5,497,716	Steel-Carbon Steel - FR / 1948	4,675,860	None
30	Gasoline	4,058,502	Steel-Carbon Steel - IFR / 1954	3,121,020	None
31	Distillate - Refuel	8,000	Steel-Carbon Steel - H/ 2008	6,800	None
32	Distillate - Building	1,000	Steel-Carbon Steel - H/2008	850	None
1	Additive	8,000	Steel-Carbon Steel - H / 1988	6,800	None
2	Distillate Pump Ow n Use	275	Steel-Carbon Steel - H /	230	None
9	Additive	2,000	Steel-Carbon Steel - H / 1994	1,700	None
11	Additive	12,000	Steel-Carbon Steel - H / 1994	10,200	None
A1	Additive	1,000	Steel-Carbon Steel - H / 2007	850	None
A3	Additive	300	Stainless Steel - H / 2007	350	None
A4	Additive	3,800	Steel-Carbon Steel - H/2012	4,000	None
	TOTAL	18,077,267			
A-03	Foam	500	Steel-Carbon Steel - AST/1953	500	None
A-08	Foam	3,000	Poly - AST/ 2003	3,000	None
A-10	VCU Knockout	2,000	Steel-Carbon Steel - AST/1994	1,800	None

(1) Tank 26 is used for stormwater collection and is exempt under the wastewater exemption[112,1(d)(6)].

* Safe Fill Capacity

Copies of the NYSDEC CBS Hazardous Substance Bulk Storage Registration Certificate
CBS Number 3-000220 and MOSF License 3-1480 are maintained at the Facility.

CONTAINMENT VOLUME ANALYSIS

Tank Dike ID	Largest Shell Capacity, gals	Dike Volume, gals	Containment Capacity, %	Comments
A1, 12, 13, 16, 17, 25, 26, 27, 28, 29^, 30	5,528,019*	6,212,656*	112.4	

^ Largest tank in tank dike
* Based on Secondary Containment Capacity Evaluation; Spec Engineering 4-22-08. The containment capacity identified the shell capacity of tank 29 as 5,528,019 gallons, however, the tank charts indicate a shell volume of 5,497,716. The larger volume was used for the containment evaluation.

LEGEND

NO PROCESS BUILDINGS

FIXED FIRE FOAM SYSTEM ON EACH BULK ABOVEGROUND TANK

E EMERGENCY RESPONSE / COMMUNICATIONS EQUIPMENT

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.
SCALABLE ONLY WITH ANSI "D" SIZE PRINTS

1 / SP.1 OVERALL SITE PLAN
SCALE: 1"=40'-0"

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NO	REVISIONS	DATE	BY	CHKD
1	SPCC/SPDES UPDATE	10/08	NB	GA
2	2012 SPDES UPDATE	7/12	NB	GA
3	ADDITION OF TANK A-4	8/12	NB	GA

DRAWN S. THOMAS
CHECKED J. BURKE
SCALE 1"=40'-0"
DATE 8/28/07

DIAGRAM #1
NEWBURGH TERMINAL
SITE PLAN

SPEC CONSULTING, LLC
16 COMPUTER DRIVE WEST
ALBANY, NY 12205
PHONE: 518-458-7111
FAX: 518-458-8507

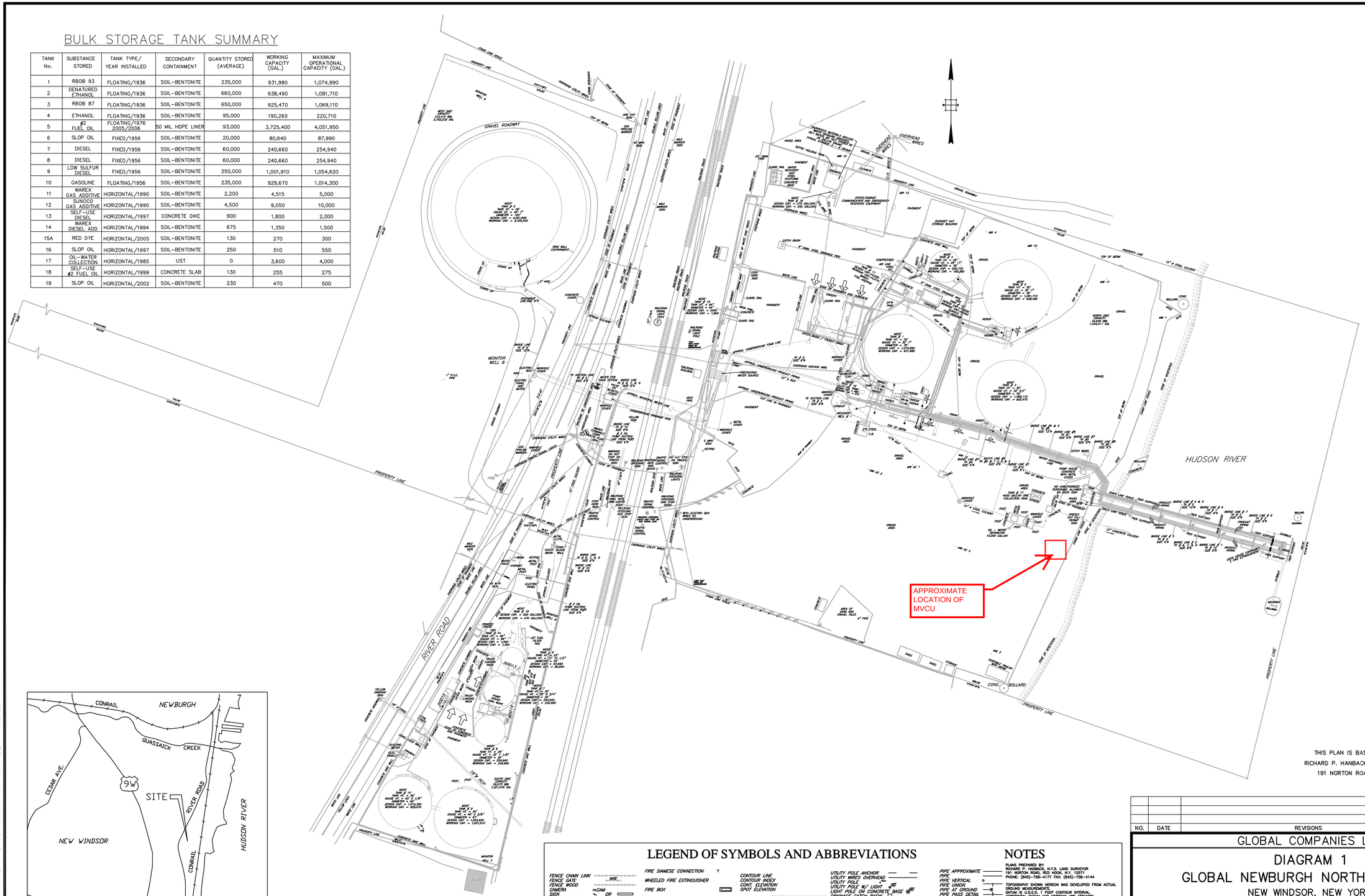
GLOBAL COMPANIES LLC

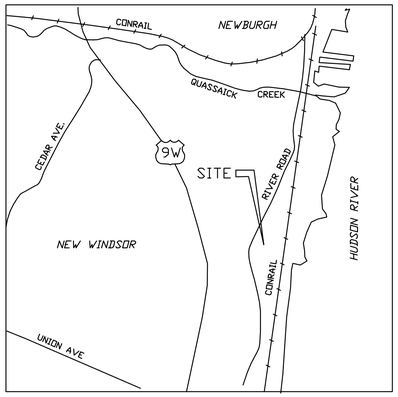
REV 3

DRAWING NUMBER 53118Sw001Index
SHEET NUMBER SP.1

BULK STORAGE TANK SUMMARY

TANK No.	SUBSTANCE STORED	TANK TYPE/ YEAR INSTALLED	SECONDARY CONTAINMENT	QUANTITY STORED (AVERAGE)	WORKING CAPACITY (GAL.)	MAXIMUM OPERATIONAL CAPACITY (GAL.)
1	RBOB 93	FLOATING/1936	SOIL-BENTONITE	235,000	931,980	1,074,990
2	DENATURED ETHANOL	FLOATING/1936	SOIL-BENTONITE	660,000	938,490	1,081,710
3	RBOB 87	FLOATING/1936	SOIL-BENTONITE	650,000	925,470	1,069,110
4	ETHANOL	FLOATING/1936	SOIL-BENTONITE	95,000	190,260	220,710
5	#2 FUEL OIL	FLOATING/1976 2005/2006	50 MIL HDPE LINER	93,000	3,725,400	4,051,950
6	SLOP OIL	FIXED/1956	SOIL-BENTONITE	20,000	80,640	87,990
7	DIESEL	FIXED/1956	SOIL-BENTONITE	60,000	240,660	254,940
8	DIESEL	FIXED/1956	SOIL-BENTONITE	60,000	240,660	254,940
9	LOW SULFUR DIESEL	FIXED/1956	SOIL-BENTONITE	250,000	1,001,910	1,054,620
10	GASOLINE	FLOATING/1956	SOIL-BENTONITE	235,000	929,670	1,014,300
11	WAREX GAS ADDITIVE	HORIZONTAL/1990	SOIL-BENTONITE	2,200	4,515	5,000
12	SUNOCO GAS ADDITIVE	HORIZONTAL/1990	SOIL-BENTONITE	4,500	9,050	10,000
13	SELF-USE DIESEL	HORIZONTAL/1997	CONCRETE DIKE	900	1,800	2,000
14	WAREX DIESEL ADD	HORIZONTAL/1994	SOIL-BENTONITE	675	1,350	1,500
15A	RED DYE	HORIZONTAL/2005	SOIL-BENTONITE	130	270	300
16	SLOP OIL	HORIZONTAL/1997	SOIL-BENTONITE	250	510	550
17	OIL-WATER COLLECTION	HORIZONTAL/1985	UST	0	3,600	4,000
18	SELF-USE #2 FUEL OIL	HORIZONTAL/1999	CONCRETE SLAB	130	255	275
19	SLOP OIL	HORIZONTAL/2002	SOIL-BENTONITE	230	470	500





NYSDEC MOSF #03-2540

NYSDEC CBS#3-000342

NOTE:

THIS PLAN IS BASED ON A SURVEY PREPARED BY RICHARD P. HANBACK, NEW YORK STATE LAND SURVEYOR, 191 NORTON ROAD, RED HOOK, NEW YORK 12571.

LEGEND OF SYMBOLS AND ABBREVIATIONS

FENCE CHAIN LINK — GATE
FENCE GATE
FENCE WOOD
CAMERA — CAM
SIGN — OR
CONCRETE CURB
TREE
GUIDE RAIL
PAINTED LINE
STEEL
EDGE OF GRAVEL
EDGE OF PAVEMENT
EDGE OF CONCRETE
EDGE OF DIRT PILES
EDGE OF LANDSCAPED AREA

FIRE SIAMESE CONNECTION
WHEELED FIRE EXTINGUISHER
FIRE BOX
FIRE HYDRANT
FIRE EXTINGUISHER
WATER LINE
PROPANE TANK — PROPANE
ELECTRIC CONDUIT
ELECTRIC BOX
ELECTRIC PANEL (TYP.)

CONTOUR LINE
CONTOUR INDEX
CONT. ELEVATION
SPOT ELEVATION
CATWALK
TANK
RAILROAD TRACK
TRUCK LOADING RACK

UTILITY POLE ANCHOR
UTILITY WIRES OVERHEAD
UTILITY POLE
UTILITY POLE W/ LIGHT
LIGHT POLE ON CONCRETE BASE
DRAINAGE CATCH BASIN
DRAINAGE CULVERT
DRAINAGE DITCH
STEEL DAM W/ "V" NOTCH
DRAINAGE HEADWALL, CONCRETE
MANHOLE COVER

ABBREVIATIONS

CMP = CORRUGATED METAL PIPE
RCP = REINFORCED CONCRETE PIPE
INV. = INVERT
CONC. = CONCRETE
MW = MONITOR WELL
APPROX. = APPROXIMATE
CB = CATCH BASIN
EL. = ELEVATION
ELEV. = ELEVATION
CULV. = CULVERT
UGL=UNDERGROUND LINE
AB=ABANDONED IN PLACE
GAL. = GALLONS
EL. = ELECTRIC
ELEC. = ELECTRIC
PAN. = PANEL
VERT. = VERTICAL
RCU=REMOTE CONTROL UNIT
I.D. = INSIDE DIAMETER

NOTES

PIPE APPROXIMATE
PIPE
PIPE VERTICAL
PIPE UNION
PIPE AT GROUND
PIPE PASS DETAIL
ELECTRIC MOTOR
CHECK VALVE
BUTTERFLY VALVE
GATE VALVE
PIPE YELLOW
LIMIT OF EPA REGULATED AREA
LIMIT OF USCG REGULATED AREA

PLANS PREPARED BY:
RICHARD P. HANBACK, N.Y.S. LAND SURVEYOR
191 NORTON ROAD, RED HOOK, N.Y. 12571
PHONE: (845)-758-4177 FAX: (845)-758-4144

TOPOGRAPHY SHOWN HEREON WAS DEVELOPED FROM ACTUAL GROUND MEASUREMENTS.
DATUM IS U.S.G.S. 1 FOOT CONTOUR INTERVAL.
HORIZONTAL DATUM AND MERIDIAN ARE ASSUMED.
NOT ALL CONDUIT IS SHOWN HEREON.
NOT ALL TREES ARE SHOWN HEREON.
THE LOCATION OF ANY UNDERGROUND MUNICIPAL WATER, SEWAGE, ELECTRICAL AND/OR NATURAL GAS LINES ARE NOT SHOWN HEREON.
ELEVATIONS INDICATED ON MONITOR WELLS ARE ON THE TOP. (EXCEPT SOUTH TERMINAL P.V.C. TYPE MONITOR WELLS)

ELEVATIONS INDICATED ON PRODUCT PIPING ARE MOST ACCURATE ON THE STRAIGHTER PIPE SECTIONS. (THE GREATER THE ANGLE THE LESS ACCURATE THE ELEVATION.)

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50ft.

NO.	DATE	REVISIONS	BY	CHECKED

GLOBAL COMPANIES LLC

DIAGRAM 1

GLOBAL NEWBURGH NORTH TERMINAL

NEW WINDSOR, NEW YORK

SITE PLAN DIAGRAM

T&M ASSOCIATES
11 TINDALL ROAD
MIDDLETOWN, NJ 07748
TEL 732-671-6400
FAX 732-671-7365

ROBERT GREGORIA, P.E.
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK LICENSE No. 064869-1
DATE

DESIGNED BY	DRAWN BY	CHECKED BY
RG	PRH	RG

PROJECT NO. WARX00030 | CADD FILE NORTH.DWG | FIELD BK. #

DRAWING SP-1

SHEET 1 OF 1

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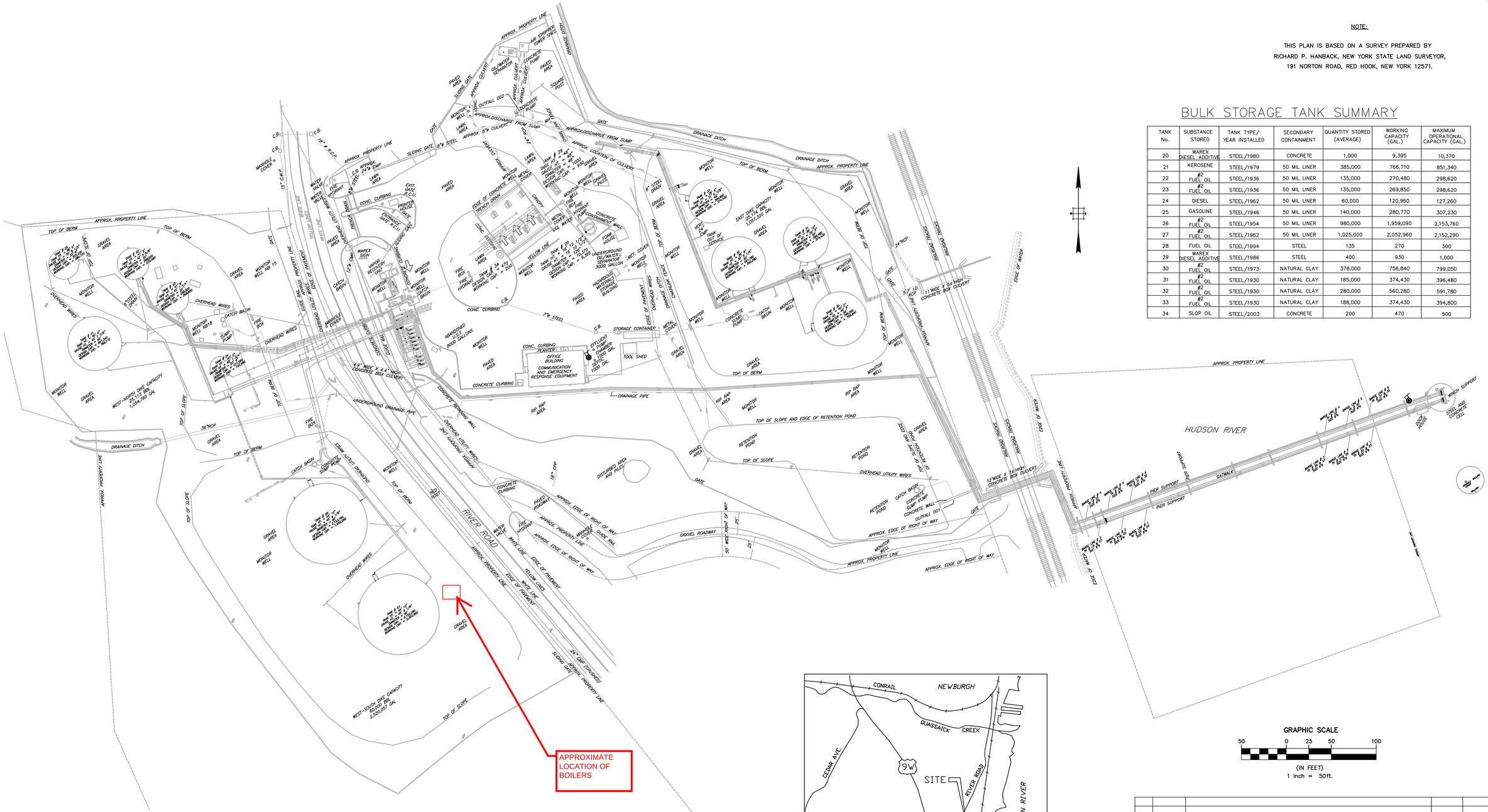
PLOTTED:

BASE INFO – DCA Rotation: 0 Base Point: 0,0



NOTE:

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RICHARD P. HANBACK, NEW YORK STATE LAND SURVEYOR,
191 NORTON ROAD, RED HOOK, NEW YORK 12571.

BULK STORAGE TANK SUMMARY

TANK No.	SUBSTANCE STORED	TANK TYPE/ YEAR INSTALLED	SECONDARY CONTAINMENT	QUANTITY STORED (AVERAGE)	WORKING CAPACITY (GAL.)	MAXIMUM OPERATIONAL CAPACITY (GAL.)
20	WAREX DIESEL ADDITIVE	STEEL/1980	CONCRETE	1,000	9,395	10,370
21	KEROSENE	STEEL/1979	50 MIL LINER	385,000	766,710	851,340
22	#2 FUEL OIL	STEEL/1936	50 MIL LINER	135,000	270,480	298,620
23	#2 FUEL OIL	STEEL/1936	50 MIL LINER	135,000	269,850	298,620
24	DIESEL	STEEL/1962	50 MIL LINER	60,000	120,960	127,260
25	GASOLINE	STEEL/1946	50 MIL LINER	140,000	280,770	307,230
26	#2 FUEL OIL	STEEL/1954	50 MIL LINER	980,000	1,959,090	2,153,760
27	#2 FUEL OIL	STEEL/1962	50 MIL LINER	1,025,000	2,052,960	2,152,290
28	FUEL OIL	STEEL/1994	STEEL	135	270	300
29	WAREX DIESEL ADDITIVE	STEEL/1986	STEEL	400	930	1,000
30	#2 FUEL OIL	STEEL/1973	NATURAL CLAY	378,000	756,840	799,050
31	#2 FUEL OIL	STEEL/1930	NATURAL CLAY	185,000	374,430	396,480
32	#2 FUEL OIL	STEEL/1930	NATURAL CLAY	280,000	560,280	591,780
33	#2 FUEL OIL	STEEL/1930	NATURAL CLAY	188,000	374,430	394,800
34	SLOP OIL	STEEL/2003	CONCRETE	200	470	500

LEGEND OF SYMBOLS AND ABBREVIATIONS

FENCE CHAIN LINK
FENCE GATE
FENCE WOOD
CAMERA
SIGN
CONCRETE CURB
TREE
GUIDE RAIL
PAINTED LINE
STEEL
EDGE OF GRAVEL
EDGE OF PAVEMENT
EDGE OF CONCRETE
EDGE OF DIRT PILES
EDGE OF LANDSCAPED AREA
FIRE SIAMESE CONNECTION
WHEELED FIRE EXTINGUISHER
FIRE BOX
FIRE HYDRANT
FIRE EXTINGUISHER
WATER LINE
PROPANE TANK
ELECTRIC CONDUIT
ELECTRIC BOX
ELECTRIC PANEL (TYP.)
CONTOUR LINE
CONTOUR INDEX
CONT. ELEVATION
SPOT ELEVATION
CATWALK
TANK
RAILROAD TRACK
TRUCK LOADING RACK
UTILITY POLE ANCHOR
UTILITY WIRES OVERHEAD
UTILITY POLE
UTILITY POLE W/ LIGHT
LIGHT POLE ON CONCRETE BASE
DRAINAGE CATCH BASIN
DRAINAGE CULVERT
DRAINAGE DITCH
STEEL DAM W/ "V" NOTCH
DRAINAGE HEADWALL, CONCRETE
MANHOLE COVER

ABBREVIATIONS

CMP = CORRUGATED METAL PIPE
RCP = REINFORCED CONCRETE PIPE
INV. = INVERT
CONC. = CONCRETE
MW = MONITOR WELL
APPROX. = APPROXIMATE
CB = CATCH BASIN
EL. = ELEVATION
ELEV. = ELEVATION
CULV. = CULVERT
UGL=UNDERGROUND LINE
AP=ABANDONED IN PLACE
GAL. = GALLONS
EL. = ELECTRIC
ELEC. = ELECTRIC
PAN. = PANEL
VERT. = VERTICAL
RCU=REMOTE CONTROL UNIT
I.D. = INSIDE DIAMETER

NOTES

PIPE APPROXIMATE
PIPE
PIPE VERTICAL
PIPE UNION
PIPE AT GROUND
PIPE PASS DETAIL
ELECTRIC MOTOR
CHECK VALVE
BUTTERFLY VALVE
GATE VALVE
PIPE YELLOW
LIMIT OF EPA REGULATED AREA
LIMIT OF USCG REGULATED AREA

PLANS PREPARED BY:
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TOPOGRAPHY SHOWN HEREON WAS DEVELOPED FROM ACTUAL GROUND MEASUREMENTS.
DATUM IS U.S.G.S. 1 FOOT CONTOUR INTERVAL.
HORIZONTAL DATUM AND MERIDIAN ARE ASSUMED.
NOT ALL CONDUIT IS SHOWN HEREON.
NOT ALL TREES ARE SHOWN HEREON.
THE LOCATION OF ANY UNDERGROUND MUNICIPAL WATER, SEWER, ELECTRICAL AND/OR NATURAL GAS LINES ARE NOT SHOWN HEREON.
ELEVATIONS INDICATED ON MONITOR WELLS ARE ON THE TOP. (EXCEPT SOUTH TERMINAL P.V.C. TYPE MONITOR WELLS)

ELEVATIONS INDICATED ON PRODUCT PIPING ARE MOST ACCURATE ON THE STRAIGHTER PIPE SECTIONS. (THE GREATER THE ANGLE THE LESS ACCURATE THE ELEVATION.)

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50ft.

NYSDEC MOSF #03-1460
NYSDEC CBS#3-000025

NO.	DATE	REVISIONS	BY	CHECKED

GLOBAL COMPANIES LLC

DIAGRAM 1
GLOBAL NEWBURGH SOUTH TERMINAL
NEW WINDSOR, NEW YORK

SITE PLAN DIAGRAM

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ROBERT GREGORIA, P.E.
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK LICENSE No. 064869-1
DATE

DESIGNED BY	DRAWN BY	CHECKED BY
	PRH	RG
PROJECT NO. WARX00160	CADD FILE SOUTH.DWG	FIELD BK. #

DRAWING SP-1

SHEET 1 OF 1

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