



16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.453.2204
www.envirospeceng.com

September 6, 2013

Karen M Gaidasz
NYS DEC Region 4
1130 North Westcott Rd
Schenectady, NY, 12306-2014

Re: DEC Permit Application #4-0101-00112/00029
Global Companies LLC - Albany, NY Terminal
Air Title V Facility
City of Albany, Albany County

Dear Mrs. Gaidasz;

On behalf of Global Companies, LLC (Global), EnviroSpec Engineering, PLLC (EnviroSpec) is submitting this letter in response to your comment letter dated July 25, 2013.

- Comment 1. Please include the following information in the application:
- a) Exempt Sources permit application pages.
 - b) Populate the gasoline vapor service and propane vapor service on fuel consumption spreadsheet in submitted application.
- Response 1. Please find the Exempt Sources permit application page, enclosed as Attachment 1. The fuel consumption spreadsheet submitted in the original application was populated; however, an insufficient amount of significant figures were displayed. A revised spreadsheet is enclosed as Attachment 2.
- Comment 2. Please provide a completed, signed full Environmental Assessment Form (EAF) for the proposed project. It is recommended that the EAF include an expanded narrative which addresses any potentially significant environmental impacts which may result from the activity including impacts to air, noise, traffic, visual resources, etc. The EAF and expanded narrative should address all aspects of the proposed project including the reconfiguration of the existing intermodal rail yard, the additional offloading stations for heated rail cars, etc.
- Response 2. A completed Full Environmental Assessment Form (Full EAF) is enclosed as Attachment 3, as well as an Expanded Narrative (Attachment 4). The Expanded Narrative includes an overall description of the facility and a review of the environmental impacts to traffic, noise and visual resources resulting from the project.
- Comment 3. The facility is located within a potential Environmental Justice (EJ) area. A determination will need to be made as to whether the project will result in potential adverse environmental impacts that are likely to affect this potential Environmental Justice area. More information on Environmental Justice can be found on the Department's website at:

<http://www.dec.ny.gov/public/333.html>. Please provide a response indicating how the applicant is proposing to comply with the Department's Environmental Justice and Permitting Policy (CP-29) (attached).

- Response 3. DEC Policy CP-29 provides methodology for conducting a preliminary screen to identify if a proposed project is in or near an EJ area and to determine whether potential environmental impacts are likely to affect that area. The land surrounding the Terminal is predominantly industrial, transportation corridor and Interstate Highway. Interstate 787 is a major transportation route that is active 24 hours per day with heavy passenger, small truck and large tractor trailer vehicles. There is a constant flow of heavy traffic, including large diesel fuel powered trucks that dwarf any vehicular activity at the Global Terminal. The Interstate traffic noise is constant. In addition to the industrial activity on the east side of the highway, there also exists a variety of commercial activity. This activity includes, but is not limited to: a recycling facility, wholesale distribution business, transportation services provider, management consultant, boat house and a moving and storage service. The nearest residences to the proposed project are located approximately 800 feet northwest of Kenwood Yard on Franklin Street. The Port area has been industrialized for many years and Global's activities do not alter the character of the area, nor do any emissions, noise or lighting conditions substantially change the status quo that has existed to the east of the Interstate. The attached Expanded Narrative addresses environmental concerns associated with the proposed heated product project, including a traffic analysis, visual analysis, noise analysis and a review of odor control at the Terminal. As the Expanded Narrative indicates, the proposed project will not have any adverse environmental impacts. As a result, no further environmental justice analysis is required, consistent with the methodology for conducting a preliminary screen found in DEC Policy CP-29.
- Comment 4. Please provide a list of all required permits and approvals for this project, including any local, county, state or federal permits.
- Response 4. Required permits and approvals for this project include a Title V Air Permit Modification and a local building permit.
- Comment 5. The Department has recently been contacted about other projects that Global is contemplating, including an additional dock and associated dredging on the Hudson River and a new ethanol treatment method for the on-site wastewater treatment system. Please indicate how these projects are related to the submitted application and include them in the EAF and expanded narrative, if appropriate. For the purposes of the State Environmental Quality Review (SEQR) process, the Department needs to consider the "whole" action being contemplated by the applicant.



- Response 5. The other projects being considered by Global are unrelated to the project submitted for the Title V Air Permit Modification. The proposed additional dock and associated dredging would increase physical dock capacity to better accommodate incoming vessels. However, dock throughput will not increase. The potential dock project is unrelated to this current project, which is for offloading and storing heated products. Moreover, the dock project is currently in the investigation phase and there are no definite plans to proceed. Global is seeking to modify existing wastewater treatment operations to more efficiently treat ethanol. The wastewater treatment work is not associated with this project.
- Comment 6. Please indicate the total area of disturbance for the entire project. If the project will disturb more than one acre of land, the applicant must comply with the State Pollutant Discharge Elimination System (SPDES) Phase II regulations for Stormwater Discharges Associated with Construction Activities.
- Response 6. A Storm Water Pollution Prevention Plan (SWPPP) currently exists for the first phase of work in Kenwood Yard and permit No. NYR10V212 was assigned. The total area of disturbance for this phase of the project is greater than one acre of land. The existing SWPPP will be amended and filed with the MS4 coordinator. The amendments are currently under development.
- Comment 7. Please include a site location map and site plan which outlines the limits of disturbance for every element of the proposed project, including activities at the Terminal and the CP Kenwood Yard.
- Response 7. The limits of disturbance are outlined in the attached site plans (Attachment 5). We have also included a site location map as Attachment 6.
- Comment 8. During our review of the application we consulted the New York State Historic Preservation Office (SHPO) website and determined that a portion of the project area may be located within a mapped archeo-sensitive area. The Department is required to evaluate whether a project may have an impact on significant historical structures or archeological sites pursuant to the State Historic Preservation Act (SHPA). Please provide documentation that this project has been evaluated by a qualified professional archeologist or provide a copy of correspondence from the State Historic Preservation Office (SHPO). Alternatively, if the entire project will impact only previously disturbed areas, please provide documentation which supports prior disturbance including photographs and a written description.
- Response 8. The project will impact only previously disturbed areas. Tank 33 is an existing tank that will be converted to store volatile petroleum products. The additional offloading stations for heated rail cars will be a reconfiguration of an already existing intermodal rail yard. The proposed boilers will be



installed in the active terminal and the rail yard, which are already developed. The locations of the proposed boilers can also be observed in the site plans (Attachment 5).

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

Sincerely,



Nicole Brower, PE
Project Engineer
Envirospec Engineering PLLC

cc: Gianna Aiezza, Envirospec Engineering
Donald Welsted, Division of Air, Region 4
Tom Keefe, Global Companies LLC



ATTACHMENT 1

Exempt Sources



16 Computer Drive West • Albany, NY 12205 • Phone: 518.453.2203 • Fax: 518.453.2204

A Woman Owned Business Enterprise (WBE)

**New York State Department of Environmental Conservation
Air Permit Application**



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

List of Exempt Activities (from NYCRR Part 201)

Instructions for Completing Table

Applicants for Title V permits are required to provide a list of exempt activities in the application form. This includes all process or production units and other emission generating activities which are considered exempt as defined by 6 NYCRR Part 301-3.2. Completion of this table fulfills that requirement.

To complete the table, provide the following information for each exempt activity that occurs at the facility defined by this application:

- a. The approximate number of each listed activity, and,
- b. For location of the activity enter the building ID(s) used in the main application form. Use the building name if a building ID(s) has not been assigned.

If a listed activity does not occur at the facility, leave blank.

Combustion

Rule Citation	Description	No. of Activities (approx.)	Building Location
201-3.2(c)			
(1)	stationary or portable combustion installations where the furnace has a maximum rated heat input capacity <10mmBtu/hr burning fossil fuels, other than coal, and coal and wood fired stationary combustion units with a maximum heat input <1mmBtu/hr. - this includes unit space heaters, which burn waste oils as defined in 6 NYCRR Part 225-2 and generated on-site, alone or in conjunction with used oil generated by a do-it-yourself oil changer as defined in 6 NYCRR Subpart 374-2	5	
(2)	stationary or portable combustion installations located outside of any severe ozone non-attainment areas, where the furnace has a maximum rated heat input capacity <20 mmBtu/hr burning fossil fuels other than coal, where the construction of the combustion installation commenced before 6/8/89		
(3)(i)	diesel or natural gas powered stationary or portable internal combustion (IC) engines within any severe ozone non-attainment area having a maximum mechanical power rating <225bhp		
(3)(ii)	diesel or natural gas powered stationary or portable IC engines located outside of any severe ozone non-attainment areas having a maximum mechanical power rating <400 bhp	2	
(3)(iii)	gasoline powered IC engines having a maximum mechanical power rating <50bhp		
(4)	stationary or portable IC engines which are temporarily located at a facility for a period ≤30 days/calendar year, where the total combined maximum mechanical power rating for all affected units is <1000bhp		
(5)	gas turbines with a heat input at peak load <10mmBtu/hr		
(6)	emergency power generating units installed for use when the usual sources of heat, power, water and lighting are temporarily unobtainable, or which are installed to provide power <500 hrs/yr and excluding those units under contract w/ a utility to provide peak shaving generation to the grid	1	

Combustion-Related

(7)	non-contact water cooling towers and water treatment systems for process cooling water and other water containers designed to cool, store or otherwise handle water that has not been in direct contact with gaseous or liquid process streams		
-----	--	--	--



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

List of Exempt Activities (from NYCRR Part 201)

Agricultural			
Rule Citation 201-3.2(c)	Description	No. of Activities (approx.)	Building Location
(8)	feed and grain milling, cleaning, conveying, drying and storage operations including grain storage silos, where such silos exhaust to an appropriate emission control device, excluding grain terminal elevators with permanent storage capacities over 2.5 million US bushels, and grain storage elevators with capacities above 1 million bushels		
(9)	equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators and electrical power generating equipment		
Commercial-Food Service Industries			
(10)	flour silos at bakeries, provided all such silos are exhausted through an appropriate emission control device		
(11)	emissions from flavorings, added to a food product where such flavors are manually added to the product		
Commercial-Graphic Arts			
(12)	screen printing inks/coatings or adhesives which are applied by a hand-held squeegee (i.e. one that is not propelled thru the use of mechanical conveyance and is not an integral part of the screen printing process)		
(13)	graphic arts processes at facilities located outside the NYC metropolitan area whose facility-wide total emissions or VOC's from inks, coatings, adhesives, fountain solutions and cleaning solutions does not exceed 20 lbs/day		
(14)	graphic label and/or box labeling operations where the inks are applied by stamping or rolling		
(15)	graphic arts processes which are specifically exempted from regulation under Part 234 with regard to emissions of VOC's which are not given an A rating		
Commercial-Other			
(16)	gasoline dispensing sites with an annual thruput <120,000 gal located outside any severe non-attainment areas		
(17)	surface coating related operations which use less than 25 gal/mo of coating materials (paints) and cleaning solvents, combined, subject to the following: - the facility is located outside of severe ozone non-attainment area - all abrasive cleaning and surface coating operations are performed in an enclosed building where such operations are exhausted into appropriate emission control devices		
(18)	abrasive cleaning operations which exhaust to an appropriate emission control device		
(19)	ultraviolet curing operations		
Municipal/Public Health Related			
(20)	ventilating systems for landfill gases, where the systems are vented directly to the atmosphere, and the ventilating system has been required by, and is operating under, the conditions of a valid Part 360 permit, or Order on Consent		



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

List of Exempt Activities (from NYCRR Part 201)

Storage Vessels			
Rule Citation 201-3.2(c)	Description	No. of Activities (approx.)	Building Location
(21)	distillate and residual fuel oil storage tanks with storage capacities <300,000 bbls	3	NA
(22)	pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of VOC's to the outdoor atmosphere		
(23)	external floating roof tanks which are of welded construction and are equipped with a metallic-type shoe primary seal and a secondary seal from the top of the shoe seal to the tank wall		
(24)(i)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>metallic-type shoe seal</i>		
(24)(ii)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>liquid-mounted foam seal</i>		
(24)(iii)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>liquid-mounted liquid-filled type seal</i>		
(24)(iv)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>control equipment or device equivalent to those previously listed in items (24) (i) thru (iii)</i>		
(25)	storage tanks, with capacities <10,000 gal, except those subject to either Part 229 or Part 233	2	
(26)	horizontal petroleum storage tanks	10	
(27)	storage silos storing solid materials, provided all such silos are exhausted thru an appropriate emission control device		
Industrial			
(28)	processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before 8/31/83, where water is used other than for dust suppression, such as wet conveying, separating and washing		
(29)(i)	all processing equipment at sand and gravel mines or quarries that <i>permanent or fixed installations with a maximum rated processing capacity ≤25 tph of minerals</i>		
(29)(ii)	all processing equipment at sand and gravel mines or quarries that <i>mobile (portable) installations with a maximum rated processing capacity ≤150 tph of minerals</i>		
(30)	mobile (portable) stone crushers with maximum rated capacities ≤150 tph of minerals which are located at nonmetallic mineral processing operations		
(31)	surface coating operations which are specifically exempted from regulation under Part 228, with regard to emissions of VOC's which are not given an A rating		
(32)	pharmaceutical tablet branding operations		
(33)	thermal packaging operations, including but not limited to, thermimage labelling, blister packing, shrink wrapping, shrink banding, and carton gluing		



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

List of Exempt Activities (from NYCRR Part 201)

Industrial (continued)			
Rule Citation	Description	No. of Activities (approx.)	Building Location
201-3.2(c)			
(34)	powder coating operations		
(35)	all tumblers used for the cleaning and/or deburring of metal products without abrasive blasting		
(36)	presses used exclusively for molding or extruding plastics except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents		
(37)	concrete batch plants where the cement weigh hopper and all bulk storage silos are exhausted thru fabric filters, and the batch drop point is controlled by a shroud or other emission control device		
(38)	cement storage operations where materials are transported by screw or bucket conveyors		
(39)(i)	non-vapor phase cleaning equipment with an open surface area ≤ 11 sq ft and an internal volume ≤ 93 gal or, having an organic solvent loss ≤ 3 gal/day	1	LAB
(39)(ii)	non-vapor phase cleaning equipment using only organic solvents with an initial boiling point ≥ 300 EF at atmospheric pressure		
(39)(iii)	non-vapor phase cleaning equipment using materials with a VOC content $\leq 2\%$ by volume		
Miscellaneous			
(40)	ventilating and exhaust systems for laboratory operations	1	
(41)	exhaust or ventilating systems for the melting of gold, silver, platinum, and other precious metals		
(42)	exhaust systems for paint mixing, transfer, filling or sampling and/or solvent storage rooms or cabinets, provided the paints stored within these locations are stored in closed containers when not in use		
(43)	exhaust systems for solvent transfer, filling or sampling and/or solvent storage rooms provided the solvent stored within these locations are stored in closed containers when not in use		
(44)	research and development activities, including both stand-alone and activities within a major stationary source, until such time as the Administrator completes a rulemaking to determine how the permitting program should be constructed for these activities		
(45)	the application of odor counteractants and/or neutralizers		

ATTACHMENT 2

Fuel Consumption Spreadsheet



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
Natural Gas	VDU	82,315			11,524.10
		86,860			537,483

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	0.00059	0.015	0.0059	0.000059	0.0015

* Emission factors used to estimate emissions are from AP-42 workbook.

Example calculation

= gal/yr / 1000 gal * emission factor

Natural Gas Service

Pollutant	lbs Pollutant / MM BTU				
	PM	SOx	NOx	VOC	CO
Factor	0.007	0.001	0.098	0.005	0.082
lb/yr	4004.78	316.17	52694.42	2898.19	44263.31
tons/yr	2.00	0.16	26.35	1.45	22.13

* 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 Usage

= Natural Gas Used 537,483 MMBTU/yr
 = Natural Gas Used * Emission factor

Gasoline Vapor Service

Pollutant	lbs Pollutant / 10 ⁶ liter (PM) or mg/liter (NOx and CO)				
	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	4	NA	10
lb/yr	526.382	0.00	48,196.69	NA	120,491.72
tons/yr	0.2631908	0.00	24.0983	NA	60.2459

Propane Vapor Service

Pollutant	lbs Pollutant/ 10 ⁶ liter or lbs/10 ⁶ BTU (CO and NOx)				
	PM	SOx	NOx	VOC	CO
Factor	0.044	Nil	0.068	NA	0.37
lb/yr	0.000	0.000	0.000	NA	0.00
tons/yr	0.000	0.000	0.000	NA	0.00

VCU Gasoline Combustion

3,183,400,723 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
 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	4,532.34	347.17	100,902.91	2,898.31	164,757.98
tons/yr	2.27	0.17	50.45	1.45	82.38

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 efficiency (i.e. 10 mg/l loaded). The pilot gas is basically propane, and contributes almost no non-propane VOC's.

ATTACHMENT 3

Full EAF



16 Computer Drive West • Albany, NY 12205 • Phone: 518.453.2203 • Fax: 518.453.2204

A Woman Owned Business Enterprise (WBE)

617.20
Appendix A
State Environmental Quality Review
FULL ENVIRONMENTAL ASSESSMENT FORM

Purpose: The full EAF is designed to help applicants and agencies determine, in an orderly manner, whether a project or action may be significant. The question of whether an action may be significant is not always easy to answer. Frequently, there are aspects of a project that are subjective or unmeasurable. It is also understood that those who determine significance may have little or no formal knowledge of the environment or may not be technically expert in environmental analysis. In addition, many who have knowledge in one particular area may not be aware of the broader concerns affecting the question of significance.

The full EAF is intended to provide a method whereby applicants and agencies can be assured that the determination process has been orderly, comprehensive in nature, yet flexible enough to allow introduction of information to fit a project or action.

Full EAF Components: The full EAF is comprised of three parts:

- Part 1:** Provides objective data and information about a given project and its site. By identifying basic project data, it assists a reviewer in the analysis that takes place in Parts 2 and 3.
- Part 2:** Focuses on identifying the range of possible impacts that may occur from a project or action. It provides guidance as to whether an impact is likely to be considered small to moderate or whether it is a potentially-large impact. The form also identifies whether an impact can be mitigated or reduced.
- Part 3:** If any impact in Part 2 is identified as potentially-large, then Part 3 is used to evaluate whether or not the impact is actually important.

THIS AREA FOR LEAD AGENCY USE ONLY

DETERMINATION OF SIGNIFICANCE -- Type 1 and Unlisted Actions

Identify the Portions of EAF completed for this project:

Part 1

Part 2

Part 3

Upon review of the information recorded on this EAF (Parts 1 and 2 and 3 if appropriate), and any other supporting information, and considering both the magnitude and importance of each impact, it is reasonably determined by the lead agency that:

- A. The project will not result in any large and important impact(s) and, therefore, is one which **will not** have a significant impact on the environment, therefore **a negative declaration will be prepared.**
- B. Although the project could have a significant effect on the environment, there will not be a significant effect for this Unlisted Action because the mitigation measures described in PART 3 have been required, therefore **a CONDITIONED negative declaration will be prepared.***
- C. The project may result in one or more large and important impacts that may have a significant impact on the environment, therefore **a positive declaration will be prepared.**

*A Conditioned Negative Declaration is only valid for Unlisted Actions

Name of Action

Name of Lead Agency

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (If different from responsible officer)

PART 1--PROJECT INFORMATION

Prepared by Project Sponsor

NOTICE: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire form, Parts A through E. Answers to these questions will be considered as part of the application for approval and may be subject to further verification and public review. Provide any additional information you believe will be needed to complete Parts 2 and 3.

It is expected that completion of the full EAF will be dependent on information currently available and will not involve new studies, research or investigation. If information requiring such additional work is unavailable, so indicate and specify each instance.

Name of Action

Location of Action (include Street Address, Municipality and County)

Name of Applicant/Sponsor

Address

City / PO

State

Zip Code

Business Telephone

Name of Owner (if different)

Address

City / PO

State

Zip Code

Business Telephone

Description of Action:

Please Complete Each Question--Indicate N.A. if not applicable

A. SITE DESCRIPTION

Physical setting of overall project, both developed and undeveloped areas.

1. Present Land Use: Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Other

2. Total acreage of project area: acres.

APPROXIMATE ACREAGE	PRESENTLY	AFTER COMPLETION
Meadow or Brushland (Non-agricultural)	acres	acres
Forested	acres	acres
Agricultural (Includes orchards, cropland, pasture, etc.)	acres	acres
Wetland (Freshwater or tidal as per Articles 24,25 of ECL)	acres	acres
Water Surface Area	acres	acres
Unvegetated (Rock, earth or fill)	acres	acres
Roads, buildings and other paved surfaces	acres	acres
Other (Indicate type)	acres	acres

3. What is predominant soil type(s) on project site?

- a. Soil drainage: Well drained % of site Moderately well drained % of site.
 Poorly drained % of site

b. If any agricultural land is involved, how many acres of soil are classified within soil group 1 through 4 of the NYS Land Classification System? acres (see 1 NYCRR 370).

4. Are there bedrock outcroppings on project site? Yes No

a. What is depth to bedrock (in feet)

5. Approximate percentage of proposed project site with slopes:

0-10% % 10- 15% % 15% or greater %

6. Is project substantially contiguous to, or contain a building, site, or district, listed on the State or National Registers of Historic Places? Yes No

7. Is project substantially contiguous to a site listed on the Register of National Natural Landmarks? Yes No

8. What is the depth of the water table? (in feet)

9. Is site located over a primary, principal, or sole source aquifer? Yes No

10. Do hunting, fishing or shell fishing opportunities presently exist in the project area? Yes No

11. Does project site contain any species of plant or animal life that is identified as threatened or endangered? Yes No

According to:

Identify each species:

12. Are there any unique or unusual land forms on the project site? (i.e., cliffs, dunes, other geological formations?)

Yes No

Describe:

13. Is the project site presently used by the community or neighborhood as an open space or recreation area?

Yes No

If yes, explain:

14. Does the present site include scenic views known to be important to the community? Yes No

15. Streams within or contiguous to project area:

a. Name of Stream and name of River to which it is tributary

16. Lakes, ponds, wetland areas within or contiguous to project area:

b. Size (in acres):

17. Is the site served by existing public utilities? Yes No
- a. If **YES**, does sufficient capacity exist to allow connection? Yes No
- b. If **YES**, will improvements be necessary to allow connection? Yes No
18. Is the site located in an agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No
19. Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617? Yes No
20. Has the site ever been used for the disposal of solid or hazardous wastes? Yes No

B. Project Description

1. Physical dimensions and scale of project (fill in dimensions as appropriate).
- a. Total contiguous acreage owned or controlled by project sponsor: acres.
- b. Project acreage to be developed: acres initially; acres ultimately.
- c. Project acreage to remain undeveloped: acres.
- d. Length of project, in miles: (if appropriate)
- e. If the project is an expansion, indicate percent of expansion proposed. %
- f. Number of off-street parking spaces existing ; proposed
- g. Maximum vehicular trips generated per hour: (upon completion of project)?
- h. If residential: Number and type of housing units:
- | | One Family | Two Family | Multiple Family | Condominium |
|------------|------------|------------|-----------------|-------------|
| Initially | | | | |
| Ultimately | | | | |
- i. Dimensions (in feet) of largest proposed structure: height; width; length.
- j. Linear feet of frontage along a public thoroughfare project will occupy is? ft.
2. How much natural material (i.e. rock, earth, etc.) will be removed from the site? tons/cubic yards.
3. Will disturbed areas be reclaimed Yes No N/A
- a. If yes, for what intended purpose is the site being reclaimed?
- b. Will topsoil be stockpiled for reclamation? Yes No
- c. Will upper subsoil be stockpiled for reclamation? Yes No
4. How many acres of vegetation (trees, shrubs, ground covers) will be removed from site? acres.

5. Will any mature forest (over 100 years old) or other locally-important vegetation be removed by this project?

Yes No

6. If single phase project: Anticipated period of construction: months, (including demolition)

7. If multi-phased:

a. Total number of phases anticipated (number)

b. Anticipated date of commencement phase 1: month year, (including demolition)

c. Approximate completion date of final phase: month year.

d. Is phase 1 functionally dependent on subsequent phases? Yes No

8. Will blasting occur during construction? Yes No

9. Number of jobs generated: during construction ; after project is complete

10. Number of jobs eliminated by this project .

11. Will project require relocation of any projects or facilities? Yes No

If yes, explain:

12. Is surface liquid waste disposal involved? Yes No

a. If yes, indicate type of waste (sewage, industrial, etc) and amount

b. Name of water body into which effluent will be discharged

13. Is subsurface liquid waste disposal involved? Yes No Type

14. Will surface area of an existing water body increase or decrease by proposal? Yes No

If yes, explain:

15. Is project or any portion of project located in a 100 year flood plain? Yes No

16. Will the project generate solid waste? Yes No

a. If yes, what is the amount per month? tons

b. If yes, will an existing solid waste facility be used? Yes No

c. If yes, give name ; location

d. Will any wastes not go into a sewage disposal system or into a sanitary landfill? Yes No

e. If yes, explain:

17. Will the project involve the disposal of solid waste? Yes No

a. If yes, what is the anticipated rate of disposal? tons/month.

b. If yes, what is the anticipated site life? years.

18. Will project use herbicides or pesticides? Yes No

19. Will project routinely produce odors (more than one hour per day)? Yes No

20. Will project produce operating noise exceeding the local ambient noise levels? Yes No

21. Will project result in an increase in energy use? Yes No

If yes, indicate type(s)

22. If water supply is from wells, indicate pumping capacity gallons/minute.

23. Total anticipated water usage per day gallons/day.

24. Does project involve Local, State or Federal funding? Yes No

If yes, explain:

25. Approvals Required:

Type

Submittal Date

City, Town, Village Board Yes No

City, Town, Village Planning Board Yes No

City, Town Zoning Board Yes No

City, County Health Department Yes No

Other Local Agencies Yes No

Other Regional Agencies Yes No

State Agencies Yes No

Federal Agencies Yes No

C. Zoning and Planning Information

1. Does proposed action involve a planning or zoning decision? Yes No

If Yes, indicate decision required:

Zoning amendment

Zoning variance

New/revision of master plan

Subdivision

Site plan

Special use permit

Resource management plan

Other

2. What is the zoning classification(s) of the site?

3. What is the maximum potential development of the site if developed as permitted by the present zoning?

4. What is the proposed zoning of the site?

5. What is the maximum potential development of the site if developed as permitted by the proposed zoning?

6. Is the proposed action consistent with the recommended uses in adopted local land use plans? Yes No

7. What are the predominant land use(s) and zoning classifications within a ¼ mile radius of proposed action?

8. Is the proposed action compatible with adjoining/surrounding land uses with a ¼ mile? Yes No

9. If the proposed action is the subdivision of land, how many lots are proposed?

a. What is the minimum lot size proposed?

10. Will proposed action require any authorization(s) for the formation of sewer or water districts? Yes No

11. Will the proposed action create a demand for any community provided services (recreation, education, police, fire protection)?

Yes No

a. If yes, is existing capacity sufficient to handle projected demand? Yes No

12. Will the proposed action result in the generation of traffic significantly above present levels? Yes No

a. If yes, is the existing road network adequate to handle the additional traffic. Yes No

D. Informational Details

Attach any additional information as may be needed to clarify your project. If there are or may be any adverse impacts associated with your proposal, please discuss such impacts and the measures which you propose to mitigate or avoid them.

E. Verification

I certify that the information provided above is true to the best of my knowledge.

Applicant/Sponsor Name NIOLE BROWER as preparer Date 9/6/13

Signature 

Title CONSULTANT; SENIOR ENGINEER

If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment.

PART 2 - PROJECT IMPACTS AND THEIR MAGNITUDE

Responsibility of Lead Agency

General Information (Read Carefully)

- ! In completing the form the reviewer should be guided by the question: Have my responses and determinations been **reasonable**? The reviewer is not expected to be an expert environmental analyst.
- ! The **Examples** provided are to assist the reviewer by showing types of impacts and wherever possible the threshold of magnitude that would trigger a response in column 2. The examples are generally applicable throughout the State and for most situations. But, for any specific project or site other examples and/or lower thresholds may be appropriate for a Potential Large Impact response, thus requiring evaluation in Part 3.
- ! The impacts of each project, on each site, in each locality, will vary. Therefore, the examples are illustrative and have been offered as guidance. They do not constitute an exhaustive list of impacts and thresholds to answer each question.
- ! The number of examples per question does not indicate the importance of each question.
- ! In identifying impacts, consider long term, short term and cumulative effects.

Instructions (Read carefully)

- a. Answer each of the 20 questions in PART 2. Answer **Yes** if there will be **any** impact.
- b. **Maybe** answers should be considered as **Yes** answers.
- c. If answering **Yes** to a question then check the appropriate box(column 1 or 2)to indicate the potential size of the impact. If impact threshold equals or exceeds any example provided, check column 2. If impact will occur but threshold is lower than example, check column 1.
- d. Identifying that an Impact will be potentially large (column 2) does not mean that it is also necessarily **significant**. Any large impact must be evaluated in PART 3 to determine significance. Identifying an impact in column 2 simply asks that it be looked at further.
- e. If reviewer has doubt about size of the impact then consider the impact as potentially large and proceed to PART 3.
- f. If a potentially large impact checked in column 2 can be mitigated by change(s) in the project to a small to moderate impact, also check the **Yes** box in column 3. A **No** response indicates that such a reduction is not possible. This must be explained in Part 3.

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

Impact on Land

1. Will the Proposed Action result in a physical change to the project site?

NO YES

Examples that would apply to column 2

C	Any construction on slopes of 15% or greater, (15 foot rise per 100 foot of length), or where the general slopes in the project area exceed 10%.	Yes	No
C	Construction on land where the depth to the water table is less than 3 feet.	Yes	No
C	Construction of paved parking area for 1,000 or more vehicles.	Yes	No
C	Construction on land where bedrock is exposed or generally within 3 feet of existing ground surface.	Yes	No
C	Construction that will continue for more than 1 year or involve more than one phase or stage.	Yes	No
C	Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.	Yes	No

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

- | | | | | |
|---|---|--|-----|----|
| C | Construction or expansion of a sanitary landfill. | | Yes | No |
| C | Construction in a designated floodway. | | Yes | No |
| C | Other impacts: | | Yes | No |

2. Will there be an effect to any unique or unusual land forms found on the site? (i.e., cliffs, dunes, geological formations, etc.)

NO YES

- | | | | | |
|---|----------------------|--|-----|----|
| C | Specific land forms: | | Yes | No |
|---|----------------------|--|-----|----|

Impact on Water

3. Will Proposed Action affect any water body designated as protected? (Under Articles 15, 24, 25 of the Environmental Conservation Law, ECL)

NO YES

Examples that would apply to column 2

- | | | | | |
|---|--|--|-----|----|
| C | Developable area of site contains a protected water body. | | Yes | No |
| C | Dredging more than 100 cubic yards of material from channel of a protected stream. | | Yes | No |
| C | Extension of utility distribution facilities through a protected water body. | | Yes | No |
| C | Construction in a designated freshwater or tidal wetland. | | Yes | No |
| C | Other impacts: | | Yes | No |

4. Will Proposed Action affect any non-protected existing or new body of water?

NO YES

Examples that would apply to column 2

- | | | | | |
|---|--|--|-----|----|
| C | A 10% increase or decrease in the surface area of any body of water or more than a 10 acre increase or decrease. | | Yes | No |
| C | Construction of a body of water that exceeds 10 acres of surface area. | | Yes | No |
| C | Other impacts: | | Yes | No |

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

5. Will Proposed Action affect surface or groundwater quality or quantity?

NO YES

Examples that would apply to column 2

C	Proposed Action will require a discharge permit.	Yes	No
C	Proposed Action requires use of a source of water that does not have approval to serve proposed (project) action.	Yes	No
C	Proposed Action requires water supply from wells with greater than 45 gallons per minute pumping capacity.	Yes	No
C	Construction or operation causing any contamination of a water supply system.	Yes	No
C	Proposed Action will adversely affect groundwater.	Yes	No
C	Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity.	Yes	No
C	Proposed Action would use water in excess of 20,000 gallons per day.	Yes	No
C	Proposed Action will likely cause siltation or other discharge into an existing body of water to the extent that there will be an obvious visual contrast to natural conditions.	Yes	No
C	Proposed Action will require the storage of petroleum or chemical products greater than 1,100 gallons.	Yes	No
C	Proposed Action will allow residential uses in areas without water and/or sewer services.	Yes	No
C	Proposed Action locates commercial and/or industrial uses which may require new or expansion of existing waste treatment and/or storage facilities.	Yes	No
C	Other impacts:	Yes	No

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

6. Will Proposed Action alter drainage flow or patterns, or surface water runoff?

NO YES

Examples that would apply to column 2

- | | | |
|--|-----|----|
| C Proposed Action would change flood water flows | Yes | No |
| C Proposed Action may cause substantial erosion. | Yes | No |
| C Proposed Action is incompatible with existing drainage patterns. | Yes | No |
| C Proposed Action will allow development in a designated floodway. | Yes | No |
| C Other impacts: | Yes | No |

IMPACT ON AIR

7. Will Proposed Action affect air quality?

NO YES

Examples that would apply to column 2

- | | | |
|---|-----|----|
| C Proposed Action will induce 1,000 or more vehicle trips in any given hour. | Yes | No |
| C Proposed Action will result in the incineration of more than 1 ton of refuse per hour. | Yes | No |
| C Emission rate of total contaminants will exceed 5 lbs. per hour or a heat source producing more than 10 million BTU's per hour. | Yes | No |
| C Proposed Action will allow an increase in the amount of land committed to industrial use. | Yes | No |
| C Proposed Action will allow an increase in the density of industrial development within existing industrial areas. | Yes | No |
| C Other impacts: | Yes | No |

IMPACT ON PLANTS AND ANIMALS

8. Will Proposed Action affect any threatened or endangered species?

NO YES

Examples that would apply to column 2

- | | | |
|---|-----|----|
| C Reduction of one or more species listed on the New York or Federal list, using the site, over or near the site, or found on the site. | Yes | No |
|---|-----|----|

1	2	3	
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change	

- | | | | | |
|---|---|--|-----|----|
| C | Removal of any portion of a critical or significant wildlife habitat. | | Yes | No |
| C | Application of pesticide or herbicide more than twice a year, other than for agricultural purposes. | | Yes | No |
| C | Other impacts: | | Yes | No |

9. Will Proposed Action substantially affect non-threatened or non-endangered species?

NO YES

Examples that would apply to column 2

- | | | | | |
|---|--|--|-----|----|
| C | Proposed Action would substantially interfere with any resident or migratory fish, shellfish or wildlife species. | | Yes | No |
| C | Proposed Action requires the removal of more than 10 acres of mature forest (over 100 years of age) or other locally important vegetation. | | Yes | No |
| C | Other impacts: | | Yes | No |

IMPACT ON AGRICULTURAL LAND RESOURCES

10. Will Proposed Action affect agricultural land resources?

NO YES

Examples that would apply to column 2

- | | | | | |
|---|--|--|-----|----|
| C | The Proposed Action would sever, cross or limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.) | | Yes | No |
| C | Construction activity would excavate or compact the soil profile of agricultural land. | | Yes | No |
| C | The Proposed Action would irreversibly convert more than 10 acres of agricultural land or, if located in an Agricultural District, more than 2.5 acres of agricultural land. | | Yes | No |

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	
			Yes	No
C The Proposed Action would disrupt or prevent installation of agricultural land management systems (e.g., subsurface drain lines, outlet ditches, strip cropping); or create a need for such measures (e.g. cause a farm field to drain poorly due to increased runoff).			Yes	No
C Other impacts:			Yes	No

IMPACT ON AESTHETIC RESOURCES

11. Will Proposed Action affect aesthetic resources? (If necessary, use the Visual EAF Addendum in Section 617.20, Appendix B.)
 NO YES

Examples that would apply to column 2

C Proposed land uses, or project components obviously different from or in sharp contrast to current surrounding land use patterns, whether man-made or natural.			Yes	No
C Proposed land uses, or project components visible to users of aesthetic resources which will eliminate or significantly reduce their enjoyment of the aesthetic qualities of that resource.			Yes	No
C Project components that will result in the elimination or significant screening of scenic views known to be important to the area.			Yes	No
C Other impacts:			Yes	No

IMPACT ON HISTORIC AND ARCHAEOLOGICAL RESOURCES

12. Will Proposed Action impact any site or structure of historic, prehistoric or paleontological importance?
 NO YES

Examples that would apply to column 2

C Proposed Action occurring wholly or partially within or substantially contiguous to any facility or site listed on the State or National Register of historic places.			Yes	No
C Any impact to an archaeological site or fossil bed located within the project site.			Yes	No
C Proposed Action will occur in an area designated as sensitive for archaeological sites on the NYS Site Inventory.			Yes	No

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated by Project Change	
			Yes	No

C Other impacts:

IMPACT ON OPEN SPACE AND RECREATION

13. Will proposed Action affect the quantity or quality of existing or future open spaces or recreational opportunities?

NO YES

Examples that would apply to column 2

- | | | | | |
|---|--|--|-----|----|
| C The permanent foreclosure of a future recreational opportunity. | | | Yes | No |
| C A major reduction of an open space important to the community. | | | Yes | No |
| C Other impacts: | | | Yes | No |

IMPACT ON CRITICAL ENVIRONMENTAL AREAS

14. Will Proposed Action impact the exceptional or unique characteristics of a critical environmental area (CEA) established pursuant to subdivision 6NYCRR 617.14(g)?

NO YES

List the environmental characteristics that caused the designation of the CEA.

Examples that would apply to column 2

- | | | | | |
|---|--|--|-----|----|
| C Proposed Action to locate within the CEA? | | | Yes | No |
| C Proposed Action will result in a reduction in the quantity of the resource? | | | Yes | No |
| C Proposed Action will result in a reduction in the quality of the resource? | | | Yes | No |
| C Proposed Action will impact the use, function or enjoyment of the resource? | | | Yes | No |
| C Other impacts: | | | Yes | No |

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

IMPACT ON TRANSPORTATION

15. Will there be an effect to existing transportation systems?
 NO YES

Examples that would apply to column 2

- | | | | |
|---|--|-----|----|
| C | Alteration of present patterns of movement of people and/or goods. | Yes | No |
| C | Proposed Action will result in major traffic problems. | Yes | No |
| C | Other impacts: | Yes | No |

IMPACT ON ENERGY

16. Will Proposed Action affect the community's sources of fuel or energy supply?
 NO YES

Examples that would apply to column 2

- | | | | |
|---|---|-----|----|
| C | Proposed Action will cause a greater than 5% increase in the use of any form of energy in the municipality. | Yes | No |
| C | Proposed Action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two family residences or to serve a major commercial or industrial use. | Yes | No |
| C | Other impacts: | Yes | No |

NOISE AND ODOR IMPACT

17. Will there be objectionable odors, noise, or vibration as a result of the Proposed Action?
 NO YES

Examples that would apply to column 2

- | | | | |
|---|--|-----|----|
| C | Blasting within 1,500 feet of a hospital, school or other sensitive facility. | Yes | No |
| C | Odors will occur routinely (more than one hour per day). | Yes | No |
| C | Proposed Action will produce operating noise exceeding the local ambient noise levels for noise outside of structures. | Yes | No |
| C | Proposed Action will remove natural barriers that would act as a noise screen. | Yes | No |
| C | Other impacts: | Yes | No |

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

IMPACT ON PUBLIC HEALTH

18. Will Proposed Action affect public health and safety?
 NO YES

- | | | |
|--|-----|----|
| C Proposed Action may cause a risk of explosion or release of hazardous substances (i.e. oil, pesticides, chemicals, radiation, etc.) in the event of accident or upset conditions, or there may be a chronic low level discharge or emission. | Yes | No |
| C Proposed Action may result in the burial of "hazardous wastes" in any form (i.e. toxic, poisonous, highly reactive, radioactive, irritating, infectious, etc.) | Yes | No |
| C Storage facilities for one million or more gallons of liquefied natural gas or other flammable liquids. | Yes | No |
| C Proposed Action may result in the excavation or other disturbance within 2,000 feet of a site used for the disposal of solid or hazardous waste. | Yes | No |
| C Other impacts: | Yes | No |

**IMPACT ON GROWTH AND CHARACTER
OF COMMUNITY OR NEIGHBORHOOD**

19. Will Proposed Action affect the character of the existing community?
 NO YES

Examples that would apply to column 2

- | | | |
|---|-----|----|
| C The permanent population of the city, town or village in which the project is located is likely to grow by more than 5%. | Yes | No |
| C The municipal budget for capital expenditures or operating services will increase by more than 5% per year as a result of this project. | Yes | No |
| C Proposed Action will conflict with officially adopted plans or goals. | Yes | No |
| C Proposed Action will cause a change in the density of land use. | Yes | No |
| C Proposed Action will replace or eliminate existing facilities, structures or areas of historic importance to the community. | Yes | No |
| C Development will create a demand for additional community services (e.g. schools, police and fire, etc.) | Yes | No |

1	2	3
Small to Moderate Impact	Potential Large Impact	Can Impact Be Mitigated by Project Change

- | | | | |
|---|--|-----|----|
| C | Proposed Action will set an important precedent for future projects. | Yes | No |
| C | Proposed Action will create or eliminate employment. | Yes | No |
| C | Other impacts: | Yes | No |

20. Is there, or is there likely to be, public controversy related to potential adverse environment impacts?
 NO YES

If Any Action in Part 2 Is Identified as a Potential Large Impact or If you Cannot Determine the Magnitude of Impact, Proceed to Part 3

Part 3 - EVALUATION OF THE IMPORTANCE OF IMPACTS

Responsibility of Lead Agency

Part 3 must be prepared if one or more impact(s) is considered to be potentially large, even if the impact(s) may be mitigated.

Instructions (If you need more space, attach additional sheets)

Discuss the following for each impact identified in Column 2 of Part 2:

1. Briefly describe the impact.
2. Describe (if applicable) how the impact could be mitigated or reduced to a small to moderate impact by project change(s).
3. Based on the information available, decide if it is reasonable to conclude that this impact is **important**.

To answer the question of importance, consider:

- ! The probability of the impact occurring
- ! The duration of the impact
- ! Its irreversibility, including permanently lost resources of value
- ! Whether the impact can or will be controlled
- ! The regional consequence of the impact
- ! Its potential divergence from local needs and goals
- ! Whether known objections to the project relate to this impact.

ATTACHMENT 4

Expanded Narrative



16 Computer Drive West • Albany, NY 12205 • Phone: 518.453.2203 • Fax: 518.453.2204

A Woman Owned Business Enterprise (WBE)



16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.453.2204
www.envirospeceng.com

**Expanded Narrative
Global Companies LLC
Albany Terminal
September 6, 2013**

1.0 INTRODUCTION

Envirospec Engineering, PLLC (Envirospec), on behalf of Global Companies LLC (Global) has prepared this Project Report for the Albany Terminal (Terminal) located at 50 Church St. Albany, New York. The Terminal is a stationary bulk petroleum storage and transfer terminal which consists of product storage tanks and four (4) loading racks, for storage and distribution of various petroleum products.

2.0 PROJECT DESCRIPTION

Global has submitted an application for a Significant Title V Air Permit Modification to modify petroleum storage capabilities at the Terminal to include heated petroleum products (crude, residual fuel and bio-fuels). This modification consists of three elements: 1) reconfiguration of an existing intermodal rail yard to allow offloading of heated petroleum products, 2) conversion of Tank 33, which currently stores distillate oil, to volatile petroleum product storage, and 3) installation of boilers to heat products contained in rail cars and storage tanks.

The project involves installing additional offloading stations for heated rail cars at the existing Canadian Pacific Railroad (CP) within Kenwood Yard. The additional offload positions would be located on land leased from CP within Kenwood Yard. A total of six (6) natural gas-fired boilers will be installed at the Terminal and Kenwood Yard to heat the additional products as needed. The six boilers consist of two (2) boilers each rated at 4, 6 and 20 MMBtu/hr. The boilers will be located in small enclosed structures referred to as boiler houses. Each set of boilers will be housed in a separate building, for a total of three (3) boiler houses. The conversion of Tank 33, located at the existing Terminal, from distillate service to volatile petroleum product storage will be accommodated by installing an internal floating roof (IFR). To offset the increase in emissions from the conversion of Tank 33, Tank 118, which is currently authorized to store gasoline and other products, will be limited to distillate service.

3.0 TRAFFIC ANALYSIS

The Terminal currently handles truck, train, and marine traffic. The impact of the project on each mode of transportation is discussed below.

3.1 Truck Traffic

This modification will not affect truck traffic. Petroleum products associated with this project come into the Terminal via rail and are distributed via ship or barge.

3.2 Train Traffic

This modification will not affect train traffic. The additional offloading stations are needed to accommodate heated rail cars, but will not involve an increase in product throughput or rail traffic.

3.3 Marine Traffic

This modification will not affect marine traffic. There are no changes being proposed to marine operations of the Terminal as part of this project.

4.0 ODOR CONTROL

The reconfiguration of the existing intermodal rail yard will not contribute to any changes in odor in the surrounding area, since no change in traffic or throughput to the Terminal is involved. The proposed boilers will be located inside small buildings, and will not contribute odors to the surrounding area. The existing emission controls at the Terminal provide odor control by limiting releases to the atmosphere. In particular, the storage tanks are equipped with IFRs which reduce emissions and, therefore, odors to the surrounding area. Moreover, most penetrations through the IFRs for various appurtenances are equipped with gaskets to control vapors. As previously noted, the conversion of Tank 33 to volatile petroleum product storage includes installing an IFR. Additionally, limiting Tank 118 to distillate service will offset emissions and vapors.

5.0 NOISE ANALYSIS

The reconfiguration of the existing intermodal rail yard will not contribute to any changes in noise in the surrounding area, since no change in rail traffic to the Terminal is involved. The conversion of storage capabilities in Tank 33 will not contribute to noise at the Terminal or the surrounding community. Any potential boiler noise will be mitigated by the boiler house enclosures.

6.0 VISUAL ANALYSIS

The change in product storage of Tank 33 will not have a visual impact. The only new construction will be the installation of the six (6) natural gas-fired boilers. The boilers to be installed are not large objects and will be located inside small buildings, surrounded by existing larger structures. The nearest residences to the proposed project are located approximately 800 feet northwest of Kenwood Yard on Franklin Street. The views of the boilers from the residential



areas surrounding the Terminal will be obstructed by an interstate highway, commercial buildings, wooded areas and existing structures on the Terminal. Moreover, because the area in which the boilers are being installed is industrial, the boilers are visually consistent with their surroundings. As a result, the project site and views of the area will not be significantly impacted.

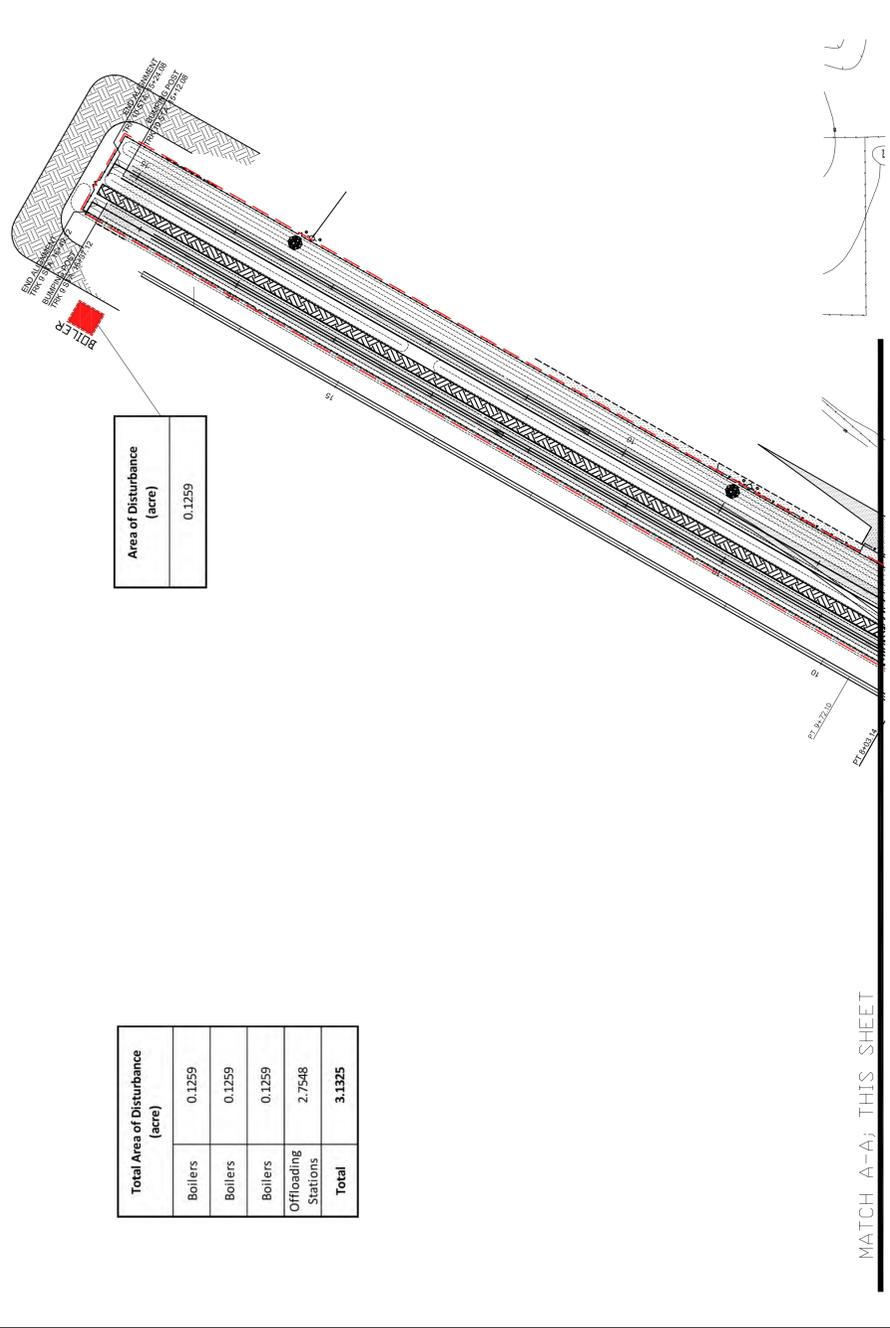


ATTACHMENT 5
Site Plans with Limits of Disturbance



16 Computer Drive West • Albany, NY 12205 • Phone: 518.453.2203 • Fax: 518.453.2204

A Woman Owned Business Enterprise (WBE)



Area of Disturbance (acre)
2.7548

Area of Disturbance (acre)
0.1259

Total Area of Disturbance (acre)	
Boilers	0.1259
Boilers	0.1259
Boilers	0.1259
Offloading Stations	2.7548
Total	3.1255

PRODUCT TANKAGE

Tank ID	Shell Capacity	Shell Length, ft	Shell Width, ft	Shell Depth, ft	Dike Volume, cu ft	Containment Capacity, %	Comments
A-1	12,000	28.39'	30'	8.00'	4,120,000	100%	Chymex lined dike. Manual pump to oil water separator.
A-4	8,000	27.87'	11.0	4.0	9,107'	114	Chymex lined dike. Manual pump to oil water separator.
A-5	1,000	19	7	1.3	1,293	129	Chymex lined dike. Manual pump to oil water separator.
A-6	500	10	5	0.7	630	127	Chymex lined dike. Manual pump to oil water separator.
A-7	1,000	18.0	1.5	3.803	8,877	887	Chymex lined dike. Manual pump to oil water separator.
A-8	1,000	17.66	6.08	4.07	1,825	182	Chymex lined dike. Manual pump to oil water separator.
A-9	275	15.0	10.0	0.8	1,077	215	Chymex lined dike. Manual pump to oil water separator.

CONTAINMENT VOLUME ANALYSIS

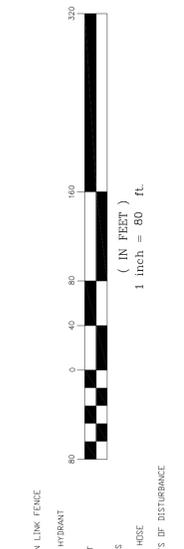
Tank ID	Shell Capacity	Shell Length, ft	Shell Width, ft	Shell Depth, ft	Dike Volume, cu ft	Containment Capacity, %	Comments
A-1	12,000	28.39'	30'	8.00'	4,120,000	100%	Chymex lined dike. Manual pump to oil water separator.
A-4	8,000	27.87'	11.0	4.0	9,107'	114	Chymex lined dike. Manual pump to oil water separator.
A-5	1,000	19	7	1.3	1,293	129	Chymex lined dike. Manual pump to oil water separator.
A-6	500	10	5	0.7	630	127	Chymex lined dike. Manual pump to oil water separator.
A-7	1,000	18.0	1.5	3.803	8,877	887	Chymex lined dike. Manual pump to oil water separator.
A-8	1,000	17.66	6.08	4.07	1,825	182	Chymex lined dike. Manual pump to oil water separator.
A-9	275	15.0	10.0	0.8	1,077	215	Chymex lined dike. Manual pump to oil water separator.

ABOVE GROUND STORAGE TANKS

Tank No.	Substance Stored	Working Capacity, gal	Shell Capacity, gal	Tank Type / Year	Failure Cause
26	Crude Oil	3,974,263	4,112,245	1924 CRR	None
30	Distillate	3,951,540	4,083,234	1924 CRR	None
31	Crude Oil	3,974,263	4,112,245	1924 CRR	None
32	Crude Oil	3,951,540	4,110,114	1925 CRR	None
33	Distillate	3,989,121	4,088,549	1925 CRR	None
39	Gasoline/Distillate	3,785,196	4,131,831	1931 CRR	None
64	Distillate	3,789,083	4,137,643	1935 CRR	None
115	Crude Oil	5,642,297	5,981,912	1951 CRWF	None
117	Gasoline/Ethanol	2,743,226	3,028,032	1952 CRWF	None
118	Gasoline/Ethanol	2,220,837	2,426,570	1952 CRWF	None
119	Gasoline/Ethanol	1,434,161	1,619,288	1952 CRWF	None
120	Gasoline/Ethanol	1,430,858	1,640,822	1952 CRWF	None
121	Gasoline/Ethanol	5,105,286	5,370,164	1954 CRWF	None
122	Product Water	1,449,271	1,572,896	1954 CRWF	None
A-1	Red Dye	10,962	12,000	1951 Horiz.	None
A-2	Red Dye	10,962	12,000	1951 Horiz.	None
A-3	Red Dye	10,962	12,000	1951 Horiz.	None
A-4	Red Dye	10,962	12,000	1951 Horiz.	None
A-5	Red Dye	10,962	12,000	1951 Horiz.	None
A-6	Red Dye	10,962	12,000	1951 Horiz.	None
A-7	Red Dye	10,962	12,000	1951 Horiz.	None
A-8	Red Dye	10,962	12,000	1951 Horiz.	None
A-9	Red Dye	10,962	12,000	1951 Horiz.	None
A-10	Red Dye	10,962	12,000	1951 Horiz.	None
A-11	Red Dye	10,962	12,000	1951 Horiz.	None
A-12	Red Dye	10,962	12,000	1951 Horiz.	None
A-13	Red Dye	10,962	12,000	1951 Horiz.	None
A-14	Red Dye	10,962	12,000	1951 Horiz.	None
A-15	Red Dye	10,962	12,000	1951 Horiz.	None
A-16	Red Dye	10,962	12,000	1951 Horiz.	None
A-17	Red Dye	10,962	12,000	1951 Horiz.	None
A-18	Red Dye	10,962	12,000	1951 Horiz.	None
A-19	Red Dye	10,962	12,000	1951 Horiz.	None
A-20	Red Dye	10,962	12,000	1951 Horiz.	None
A-21	Red Dye	10,962	12,000	1951 Horiz.	None
A-22	Red Dye	10,962	12,000	1951 Horiz.	None
A-23	Red Dye	10,962	12,000	1951 Horiz.	None
A-24	Red Dye	10,962	12,000	1951 Horiz.	None
A-25	Red Dye	10,962	12,000	1951 Horiz.	None
A-26	Red Dye	10,962	12,000	1951 Horiz.	None
A-27	Red Dye	10,962	12,000	1951 Horiz.	None
A-28	Red Dye	10,962	12,000	1951 Horiz.	None
A-29	Red Dye	10,962	12,000	1951 Horiz.	None
A-30	Red Dye	10,962	12,000	1951 Horiz.	None
A-31	Red Dye	10,962	12,000	1951 Horiz.	None
A-32	Red Dye	10,962	12,000	1951 Horiz.	None
A-33	Red Dye	10,962	12,000	1951 Horiz.	None

The Facility also has a 1,413,257 gal freestanding ester tank (tank 63) and a 1,449,271 gal unfretted water tank (tank 130). Tank: Any container that stores oil.
 Abbreviations CRWF - Cone Roof Welded Internal Floating Roof Tank
 CRR - Cone Roof
 CRW - Cone Roof Welded
 None are no Surface Appointments

- NOTES:
- SECONDARY CONTAINMENT IS EQUAL TO 110% OF THE LARGEST TANK IN SYSTEM.
 - COMMUNICATION EQUIPMENT IS LOCATED OFFICE.
 - EMERGENCY RESPONSE EQUIPMENT IS IN THE OFFICE OFFICE AND THE WAREHOUSE.
 - 5 DRUMS STORED IN THE GARAGE GREASE, OIL AND KERD.



DRAWING STATUS		REV.	DATE	DESCRIPTION	FIRM	APPD.
		A	10/12	2012 ERAP	GLOBAL COMPANIES LLC	
		B	09/13	LIMITS OF DISTURBANCE		
ATTACHMENT 5A PORT OF ALBANY TERMINAL SITE PLAN						
SCALE: AS SHOWN DATE: 06/21/2012 DWG. NO. SP-1						



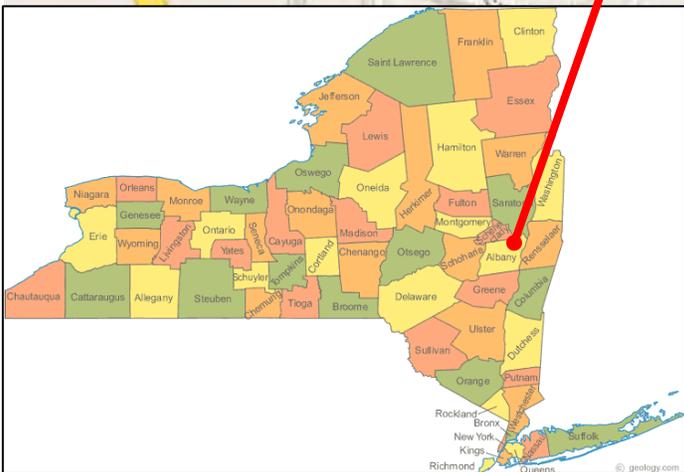
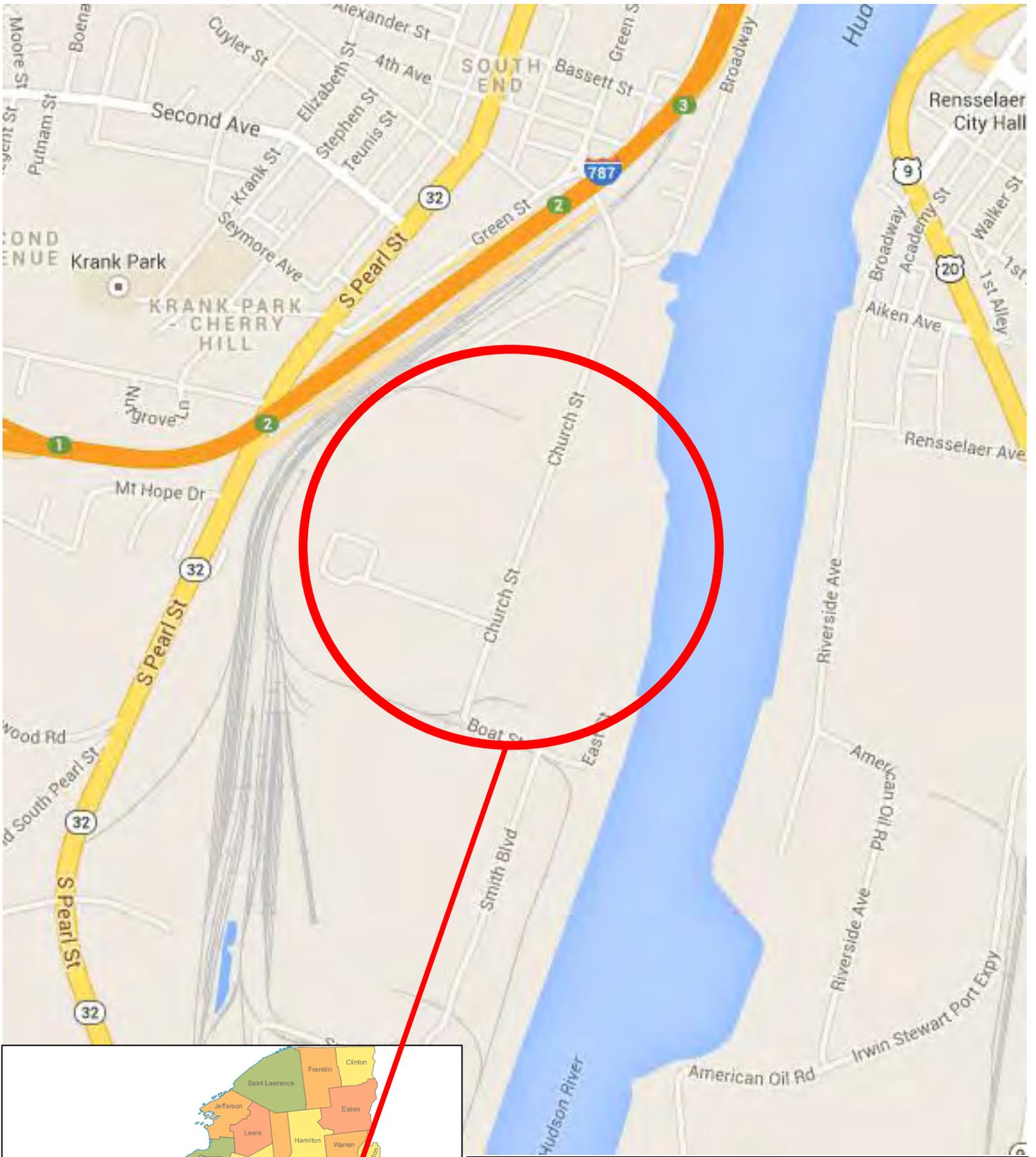
ATTACHMENT 6

Site Location Map



16 Computer Drive West • Albany, NY 12205 • Phone: 518.453.2203 • Fax: 518.453.2204

A Woman Owned Business Enterprise (WBE)



TITLE:	ATTACHMENT 6 - SITE LOCATION MAP
LOCATION:	50 CHURCH STREET ALBANY, NEW YORK
 <div style="float: right; text-align: right;"> <p>16 Computer Drive West Albany, NY 12205 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com</p> </div>	