



New York State Department of Environmental Conservation  
**Permit Review Report**

**Permit ID: 1-2820-00947/00002**

**Renewal Number: 1**

**12/20/2011**

**Facility Identification Data**

Name: GLOBAL COMPANIES LLC - INWOOD TERMINAL

Address: 464 DOUGHTY BLVD

INWOOD, NY 11096

**Owner/Firm**

Name: GLOBAL COMPANIES LLC

Address: 800 SOUTH STREET

WALTHAM, MA 02453, USA

Owner Classification: Corporation/Partnership

**Permit Contacts**

Air Permitting Facility Owner Contact:

Name: HANK M MEYERHOEFER

Address: GLOBAL COMPANIES LLC - INWOOD TERMINAL

464 DOUGHTY BLVD

INWOOD, NY 11096

Phone:5163718511

**Permit Description**

**Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

**Summary Description of Proposed Project**

This is an application for a Title V permit renewal. As part of the renewal process, the facility will be making several changes.

First, the loading rack description (emission unit 1-RACK1) will be modified to reflect that the load rack system now contains five bays (one bay being taken out of service).

The description for emission unit 1-TANKS will also be modified to indicate an additional gasoline storage tank (TK010) which is being converted from storing distillate oil. The tank is undergoing a physical modification with the installation of an internal floating roof to accommodate gasoline storage.

A third modification involves the change in facility throughput limits for both distillate oil and gasoline. Gasoline throughput will be decreased by 50 million gpy while distillate fuel oil throughput will increase by 125 million gpy.

Finally, the facility will be taking a cap on the VOC emissions from the loading rack operations (10 mg/liter) to avoid both NSR and MACT applicability. The loading rack emissions will be controlled by a vapor recovery (carbon adsorption) unit which will also be subject to CAM requirements under 40 CFR Part 64.

**Attainment Status**



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GLOBAL COMPANIES LLC - INWOOD TERMINAL is located in the town of HEMPSTEAD in the county of NASSAU.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

\* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

\*\* NOx has a separate ambient air quality standard in addition to being an ozone precursor.

**Facility Description:**

This facility is classified as a gasoline/distillate loading terminal consisting of (5) permitted gasoline storage tanks along with several other storage tanks containing gasoline additives and heating oil/diesel. One (1) loading rack with 5 bays is located onsite. Gasoline loading is controlled with a vapor reduction unit.

**Permit Structure and Description of Operations**

The Title V permit for GLOBAL COMPANIES LLC - INWOOD TERMINAL is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:  
 combustion - devices which burn fuel to generate heat, steam or power  
 incinerator - devices which burn waste material for disposal  
 control - emission control devices  
 process - any device or contrivance which may emit air contaminants that is not included in the above categories.

GLOBAL COMPANIES LLC - INWOOD TERMINAL is defined by the following emission unit(s):



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Emission unit 1TANKS - Six (6) storage tanks of different volumes containing. Gasoline or petroleum hydrocarbons with a maximum vapor pressure of 12.0 psia @ 70 F. Five (5) are fixed roof tanks with internal floating roofs. One is fixed roof tank, internal floating roof will be installed prior to putting tank into gasoline or volatile organic liquid service.

Emission unit 1TANKS is associated with the following emission points (EP):

00004, 00005, 00006, 00007, 00008, 00010

Process: FG1 is located at LOADING AREA - Miscellaneous fugitive HAP and VOC emissions from valves, pumps, and flanges leakage, all emissions are at insignificant levels.

Process: GAS is located at TANK FARM - Six (6) storage tanks, each having a capacity of greater than 40,000 gallons, storing gasoline with a maximum vapor pressure of 12.0 psia @ 70 degree F). Each tank has a fixed roof with an internal floating roof system. Note internal floating roof will be installed on Tank 10 prior to using tank for process gas. Upon initial use of Tank 10, only 5 tanks will be in service after initial 30 day transition period.

Process: VOL is located at TANK FARM - Six (6) storage tanks, each having a capacity of greater than 40,000 gallons, storing petroleum hydrocarbons with a maximum vapor pressure of 12.0 psia @ 70 F). Each tank has a fixed roof with an internal floating roof system. Note: Internal floating roof will be installed on Tank 10 prior to using tank for process vol. Upon initial use of Tank 10, only 5 tanks will be in service after initial 30 day transition period.

Emission unit 1RACK1 - Truck loading rack with 5 bays, 2 of which are used to load distillate, 2 of which are used to load gasoline and 1 of which is used to load distillate and/or gasoline.

Emission unit 1RACK1 is associated with the following emission points (EP):

00001

Process: RDS is located at LOADING AREA - Tank trucks are top loaded with distillate at 2 bays, and bottom loaded with distillate in 1 bay. The distillate bottom loading bay also is used to bottom load gasoline (process RGS). Note that vapors from tank trucks that are bottom loaded with distillate are sent to the vapor reduction system.

Process: RGS is located at LOADING AREA - Gasoline trucks are bottom loaded at 3 bays. Note that one of the bays may be used for bottom loading tank trucks with distillate (process RDS). Vapors are collected and are sent to the vapor reduction system.

Process: TTV is located at LOADING AREA - Fugitive emissions from leaks from tank trucks during loading.

Process: VRU is located at LOADING AREA - Fugitive emissions from losses from the vapor recovery

**Title V/Major Source Status**

GLOBAL COMPANIES LLC - INWOOD TERMINAL is subject to Title V requirements. This determination is based on the following information:

This facility is a major source of emissions for volatile organic compounds or VOC's as a result of its petroleum liquid storage and transfer operations. VOC emissions exceed the major source threshold of 25 tons per year.

**Program Applicability**

The following chart summarizes the applicability of GLOBAL COMPANIES LLC - INWOOD TERMINAL with regards to the principal air pollution regulatory programs:

**Regulatory Program**

**Applicability**

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PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	NO
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

**PSD** Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NSR** New Source Review (6 NYCRR Part 231) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NESHAP** National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

**MACT** Maximum Achievable Control Technology (40 CFR 63) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

**NSPS** New Source Performance Standards (40 CFR 60) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

**Title IV** Acid Rain Control Program (40 CFR 72 thru 78) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

**Title VI** Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.



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**RACT** Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

**SIP** State Implementation Plan (40 CFR 52, Subpart HH) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

**Compliance Status**

Facility is in compliance with all requirements.

**SIC Codes**

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis

of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

**SIC Code**

**Description**

5171

PETROLEUM BULK STATIONS & TERMINALS

**SCC Codes**

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents

a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

**SCC Code**

**Description**

4-04-001-51

BULK TERMINALS/PLANTS  
BULK TERMINALS

4-04-001-52

Valves, Flanges, and Pumps

BULK TERMINALS/PLANTS

BULK TERMINALS

Vapor Collection Losses

4-04-001-54

BULK TERMINALS/PLANTS

BULK TERMINALS

Tank Truck Vapor Leaks

4-04-001-60

BULK TERMINALS/PLANTS

BULK TERMINALS

INTERNAL FLOAT ROOF W/ PRIMARY SEAL-SPECIFY

LIQUID:STANDING LOSS

4-04-002-50

BULK TERMINALS/PLANTS

BULK PLANTS

Loading Racks

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In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000092-52-4	1, 1 BIPHENYL	19800	
000108-38-3	1,3 DIMETHYL BENZENE	19800	
000095-48-7	2-METHYL-PHENOL	19800	
000071-43-2	BENZENE	19800	
000098-82-8	BENZENE, (1-METHYLETHYL)	19800	
000100-41-4	ETHYLBENZENE	19800	
0NY100-00-0	HAP	49800	
000110-54-3	HEXANE	19800	
001634-04-4	METHYL TERTBUTYL ETHER	19800	
000091-20-3	NAPHTHALENE	19800	
000540-84-1	PENTANE, 2,2,4-TRIMETHYL-	19800	
000108-95-2	PHENOL	19800	
000108-88-3	TOLUENE	19800	
0NY998-00-0	VOC	112060	

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.



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No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6**

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.

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

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.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: 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

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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 F: Recycling and Salvage - 6 NYCRR 201-1.7**

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 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

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.

**Item H: 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 I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)**

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 6 NYCRR Subpart 201-3. 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 6 NYCRR Subpart 201-3, 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 J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. 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 6 NYCRR Subpart 201-3, 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 K: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 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.

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- Item L: Certification by a Responsible Official - 6 NYCRR Part 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 M: Requirement to Comply With All Conditions - 6 NYCRR Part 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 N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 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 O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)**  
The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.
- Item P: 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 Q: 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 R: Fees - 6 NYCRR Part 201-6.5(a)(7)**  
The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.
- Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)**  
Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:
- i. Enter upon the permittee's premises where the permitted facility 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;

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

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Item T: Severability - 6 NYCRR Part 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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)**

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. 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.

**Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)**

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 provisions 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 in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

**Item W: Permit Shield - 6 NYCRR Part 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



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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 X: Reopening for Cause - 6 NYCRR Part 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 Y: Required Emission Tests - 6 NYCRR 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.



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**Item Z: Visible Emissions Limited - 6 NYCRR 211.3**

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.

**Item AA: Open Fires Prohibitions - 6 NYCRR 215.2**

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item BB: 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 CC: 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.

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**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.

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**Regulatory Analysis**

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
-- FACILITY	ECL 19-0301	30	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A.7(a)	14	Notification and Recordkeeping
1-TANKS/-/GAS/TK010	40CFR 60-Kb.112b(a) (1)	28	NSPS for volatile organic liquid storage vessels-standard for volatile organic compounds (VOC)
1-TANKS/-/VOL/TK010	40CFR 60-Kb.112b(a) (1)	29	NSPS for volatile organic liquid storage vessels-standard for volatile organic compounds (VOC)
FACILITY	40CFR 60-Kb.113b(a)	15	NSPS for volatile organic liquid storage vessels-testing and procedures
FACILITY	40CFR 60-Kb.115b(a)	16	NSPS for volatile organic liquid storage vessels-reporting and recordkeeping requirements
FACILITY	40CFR 60-Kb.116b	17	NSPS for volatile organic liquid storage vessels-monitoring of operations
1-RACK1/-/RGS/RACK1	40CFR 60-XX.502	23	Gasoline terminal loading racks over 20,000 gallons/day - standards for VOC
1-RACK1/-/RGS/RACK1	40CFR 60-XX.505(b)	24	Gasoline terminal loading racks over 20,000 gallons/day - reporting and recordkeeping
1-RACK1/-/RGS/RACK1	40CFR 60-XX.505(c)	25	Gasoline terminal loading racks over 20,000 gallons/day - reporting and recordkeeping
1-RACK1/-/RGS/RACK1	40CFR 60-XX.505(f)	26	Gasoline terminal loading racks over 20,000 gallons/day - reporting and recordkeeping
FACILITY	40CFR 63-R.420(a) (2)	33, 34, 35, 36	
1-RACK1/-/RGS/VPORS	40CFR 64	27	COMPLIANCE ASSURANCE MONITORING
FACILITY	40CFR 68	18	Chemical accident



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FACILITY	40CFR 82-F	19	prevention provisions Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 201-1.4	31	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-6	1, 20, 21	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (c)	3	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (c) (2)	4	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201- 6.5 (c) (3) (ii)	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (e)	2	Compliance Certification
FACILITY	6NYCRR 201-7	32, 33, 34, 35, 36, 37, 40	Federally-Enforceable Emission Caps
FACILITY	6NYCRR 202-2.1	6	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	7	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.2	38	General Prohibitions - visible emissions limited.
1-RACK1/-/RDS	6NYCRR 212.10 (c) (1)	22	NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 225-1.2 (a) (2)	8	Sulfur in Fuel Limitations Post 12/31/87.
FACILITY	6NYCRR 225-1.8	9	Reports, sampling and analysis.
FACILITY	6NYCRR 225-3.3 (a)	10	RVP Limitation - May 1st through September 15th
FACILITY	6NYCRR 225-3.4 (a)	39	Gasoline records to be maintained
FACILITY	6NYCRR 229.3 (a)	11	Petroleum fixed roof tank control requirements
FACILITY	6NYCRR 229.3 (e) (1)	12	Volatile organic liquid storage tanks
FACILITY	6NYCRR 229.5	13	Recordkeeping.
FACILITY	6NYCRR 231-2	34, 35, 36, 37	New Source Review in Nonattainment Areas and Ozone Transport Region

**Applicability Discussion:**

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301



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This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.5 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.5 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.5 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to



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department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

**Facility Specific Requirements**

In addition to Title V, GLOBAL COMPANIES LLC - INWOOD TERMINAL has been determined to be subject to the following regulations:

40 CFR 60.112b (a) (1)

This requirement describes the standard for volatile organic compounds or VOC's for storage vessels which have commenced construction, reconstruction or modification after 7/23/84 and which meet the following criteria: a design capacity greater than or equal to 151 m<sup>3</sup> containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.6 kPa or with a design capacity greater than or equal to 75 m<sup>3</sup> but less than 151 m<sup>3</sup> containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, and equipped with a fixed roof in combination with an internal floating roof. The requirement has been applied to Tank #10 (identified as TK010). This is an existing tank (constructed prior to 7/23/84) which currently stores distillate fuel oil, but is undergoing two modifications. First, there is a stored material change where the tank will now store gasoline. Second, to accommodate the storage of gasoline, an internal floating roof has been added. Although, the floating roof offsets some of the emission increase as a result of the stored product change to gasoline, there is still a net emission increase as compared to the previous situation where only distillate oil was stored. Consequently, the combination of the physical changes with the net emissions increase represent a modification under NSPS. In addition, this requirement along with the other Subpart Kb requirements constitutes streamlining. Tank 10 is also subject to the SIP requirement listed under 6 NYCRR Part 229.3(e) however this rule is less stringent than the NSPS rule here, as a result, only the NSPS rule is being listed.

40 CFR 60.113b (a)

This requirement sets forth the testing and inspection procedures for determining compliance with VOC standards for storage vessels with a capacity greater than 40 cubic meters, storing volatile organic liquids for which construction, reconstruction or modification commenced after 7/23/84. The requirement has been applied to Tank #10 (identified as TK010). This is an existing tank (constructed prior to 7/23/84) which currently stores distillate fuel oil, but is undergoing two modifications. First, there is a stored material change where the tank will now store gasoline. Second, to accommodate the storage of



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gasoline, an internal floating roof has been added. Although, the floating roof offsets some of the emission increase as a result of the stored product change to gasoline, there is still a net emission increase as compared to the previous situation where only distillate oil was stored. Consequently, the combination of the physical changes with the net emissions increase represent a modification under NSPS. In addition, this requirement along with the other Subpart Kb requirements constitutes streamlining. Tank 10 is also subject to the control requirement listed under 6 NYCRR Part 229.3(e) however this rule is less stringent than the NSPS rule here, as a result, only the NSPS rule is being listed.

40 CFR 60.115b (a)

This regulation describes the reporting and recordkeeping requirements for fixed roof storage vessels equipped with an internal floating roof having a capacity greater than 40 cubic meters, storing volatile organic liquids for which construction, reconstruction, or modification commenced after 7/23/84. The requirement has been applied to Tank #10 (identified as TK010). This is an existing tank (constructed prior to 7/23/84) which currently stores distillate fuel oil, but is undergoing two modifications. First, there is a stored material change where the tank will now store gasoline. Second, to accommodate the storage of gasoline, an internal floating roof has been added. Although, the floating roof offsets some of the emission increase as a result of the stored product change to gasoline, there is still a net emission increase as compared to the previous situation where only distillate oil was stored. Consequently, the combination of the physical changes with the net emissions increase represent a modification under NSPS. In addition, this requirement along with the other Subpart Kb requirements constitutes streamlining. Tank 10 is also subject to the recordkeeping requirement listed under 6 NYCRR Part 229.5 however this rule is less stringent than the NSPS rule here, as a result, only the NSPS rule is being listed in the permit.

40 CFR 60.116b

This regulation sets forth the parameters and test methods to be used to monitor the operations of Subpart Kb applicable storage vessels. The requirement has been applied to Tank #10 (identified as TK010). This is an existing tank (constructed prior to 7/23/84) which currently stores distillate fuel oil, but is undergoing two modifications. First, there is a stored material change where the tank will now store gasoline. Second, to accommodate the storage of gasoline, an internal floating roof has been added. Although, the floating roof offsets some of the emission increase as a result of the stored product change to gasoline, there is still a net emission increase as compared to the previous situation where only distillate oil was stored. Consequently, the combination of the physical changes with the net emissions increase represent a modification under NSPS. In addition, this requirement along with the other Subpart Kb requirements constitutes streamlining. Tank 10 is also subject to the monitoring requirements listed under 6 NYCRR Part 229.4 however this rule is less stringent than the NSPS rule here, as a result, only the NSPS rule is being listed.

40 CFR 60.502

This regulation specifies the VOC emission standards for bulk gasoline terminals for which construction or modification commenced after 12/13/80. Bulk gasoline terminals are defined as those facilities which receive gasoline by pipeline, ship or barge and have a gasoline throughput greater than 75,700 liters per day (20,000 gpd). Each affected facility is required to be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. In addition, the regulation also specifies the procedures to be followed for loadings of liquid product into gasoline tank trucks. The Inwood terminal meets the above applicability criteria for this rule. It should be noted that since this NSPS rule is more stringent than the equivalent state requirement under 6 NYCRR Part 229.3, only this rule will be listed in an effort to streamline the permit. Also, the loading rack VOC emission limit of 35 mg/l listed in this rule will not apply. VOC emissions from the loading rack will be capped at a level of 10mg/l to avoid applicability to the MACT rule under 40 CFR

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63, Subpart R (see conditions under 201-7). This will supercede the above rule limit as well as the limit of 0.67 lbs/1000 gallons limit specified in the corresponding state regulation, 6 NYCRR Part 229.3(d)(1), which is also not listed in the permit for streamlining purposes.

40 CFR 60.505 (b)

This regulation specifies the reporting and recordkeeping necessary to demonstrate compliance with the tank truck vapor tightness requirements. Since the Inwood terminal meets the applicability criteria for this rule in terms of throughput capacity and date of operation, the facility must also meet these documentation requirements. This rule is similar to the tank truck recordkeeping requirements listed in 6 NYCRR Part 230.4 and 230.6 but is more comprehensive and supercedes them. Consequently, Part 230.4 and 230.6 will not be placed in the permit for streamlining purposes.

40 CFR 60.505 (c)

This regulation specifies the recordkeeping required to document the monthly leak inspections for tank truck loading operations. Since the Inwood terminal meets the applicability criteria for this rule in terms of throughput capacity and date of operation, the facility must also meet these documentation requirements. This rule is similar to the tank truck recordkeeping requirements listed in 6 NYCRR Part 230.4 and 230.6 but is more comprehensive and supercedes them. Consequently, Part 230.4 and 230.6 will not be placed in the permit for streamlining purposes.

40 CFR 60.505 (f)

This regulation requires the owner or operator of an affected facility to keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years. Since the Inwood terminal meets the applicability criteria for this rule in terms of throughput capacity and date of operation, the facility must also meet these documentation requirements.

40 CFR 60.7 (a)

This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required. [NOTE: Since this facility does not employ a continuous monitoring system and neither NSPS regulation that is applicable here has a specific opacity requirement, items 5 and 6 do not apply.] For the record, this facility has been determined to be subject to two NSPS regulations: 40 CFR Part 60, Subpart Kb (Volatile Organic Liquid Storage Vessels) and Subpart XX (Bulk Gasoline Terminals).

40 CFR 63.420 (a) (2)

This subdivision of the Gasoline Distribution MACT exempts non-major sources of hazardous air pollutants from the regulation. This facility will be limiting the emissions of VOC and HAP's (hazardous air pollutants) from the loading rack to 10mg/l by means of a carbon adsorption vapor reduction unit. By doing so, potential emissions of HAP's will be reduced to below the major source thresholds of 10 tpy individual or 25 tpy cumulative of HAP's. As a result, the facility won't be applicable to the MACT standard for gasoline distribution facilities. The actual cap and associated monitoring condition is cited under 6 NYCRR Part 201-7 which is the federally enforceable emission capping rule.

40 CFR Part 64

The federal Compliance Assurance Monitoring (CAM) rule, 40 CFR Part 64, requires monitoring of control device, capture system, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards. It applies to emission units that use a control device to comply with certain standards and limitations and that have potential pre-control device emissions



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equal to or greater than a major source threshold. The vapor recovery unit or VRU for this facility meets the applicability criteria in that it controls VOC emissions from the loading rack whose emissions exceed the major source threshold of 25 tpy.

6 NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. The rule and associated monitoring condition is automatically included in every Title 5 permit.

6 NYCRR 212.10 (c) (1)

This rule requires the submittal of a compliance plan which identifies those emission point sources at major NO<sub>x</sub> or VOC emitting facilities which do not employ reasonably available control technology (RACT), and are not required to do so by virtue of the fact that their NO<sub>x</sub> and/or VOC potential emissions are less than 3.0 lbs/day or their corresponding actual emission (in the absence of controls) are less than 15 lbs/day. For purposes of this facility, the requirement applies because the Inwood facility is major for VOC's (greater than 25 tpy) but the potential emissions for the loading operations for distillate fuel are minimal (less than 1 tpy or 1 lb/day).

6 NYCRR 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section. This facility purchases, sells and uses applicable fuel oil, consequently it is subject to this requirement.

6 NYCRR 225-1.8

This regulation requires an owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. The requirement applies to this facility since it purchases and distributes distillate oil which is an applicable fuel.

6 NYCRR 225-3.3 (a)

This regulation prohibits the sale of any gasoline to a retailer or wholesale purchaser-consumer, which has 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 beginning 1989. The requirement applies to all gasoline distribution facilities in the state.

6 NYCRR 225-3.4 (a)

This regulation specifies the records that must be maintained for the gasoline that is being delivered to or distributed from an applicable facility. The records include: the RVP of the gasoline (if subject to the RVP limitations of 225-3.3); a designation of the appropriate time period(s) the gasoline is to be dispensed to motor vehicles; and a written certification that the gasoline conforms with the RVP and oxygen requirements and is in compliance with applicable federal and state regulations. The requirement applies to all gasoline terminals in the state.

6 NYCRR 229.3 (a)

This regulation specifies the control requirements for petroleum fixed roof gasoline storage tanks having a capacity exceeding 40,000 gallons or more. The requirements apply to the following 5 storage tanks which meet the above criteria when storing gasoline: TK004, TK005, TK006, TK007, and TK008. A



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sixth tank, TK010, also meets the above criteria however it has been determined to be subject to the federal NSPS requirements under 40 CFR 60, Subpart Kb due to recent modifications. The NSPS rule is more stringent and consequently supercedes the requirements under Part 229 for tank, TK010. For streamlining purposes, this tank was not listed under this requirement.

6 NYCRR 229.3 (e) (1)

This specifies the control requirements for fixed roof volatile organic liquid (VOL) storage tanks having a capacity exceeding 40,000 gallons. The requirements apply to the following 3 storage tanks which meet the above criteria when storing VOL: TK004, TK005, TK006, TK007, and TK008. A sixth tank, TK010, also meets the above criteria however it has been determined to be subject to the federal NSPS requirements under 40 CFR 60, Subpart Kb due to recent modifications. The NSPS rule is more stringent and consequently supercedes the requirements under Part 229 for tank, TK010. For streamlining purposes, this tank was not listed under this requirement.

6 NYCRR 229.5

This regulation specifies the recordkeeping requirements for gasoline bulk plants, gasoline loading terminals, petroleum liquid storage tanks, volatile liquid storage tanks and marine vessel loading facilities subject to the requirements of 229.3. The rule applies here because this facility includes both affected storage tanks and a gasoline loading terminal.

6 NYCRR Subpart 201-7

This subpart sets forth the general requirements as to how a source owner or operator may opt to avoid being subject to one or more applicable requirements to which the source or unit would have otherwise been subject, or where needed to establish an emission reduction credit by accepting federally-enforceable permit conditions restricting or capping emissions. Each condition cited under this rule will list one or more regulations for which the facility is looking to cap out of. The condition will also identify the associated monitoring to be used to demonstrate compliance with the cap and any contaminants which are being limited, as well. The Inwood facility lists 5 separate monitoring conditions under 201-7 which are to be used to cap out of New Source Review (NSR) requirements under Part 231-2 and the gasoline distribution facility NESHAPS or MACT rule under 40 CFR Part 63, Subpart R.420(a)(2).

6 NYCRR Subpart 231-2

Part 231-2 is the state's New Source Review (NSR) regulation which applies to new or modified major facilities. The primary contaminants of concern for NSR purposes for this facility are volatile organic compounds because the facility is located in an ozone non-attainment area. For the purposes of this permit, the facility is limiting its emissions of VOC by several methods, including the application of controls and limitation on product (gasoline and distillate oil) throughput. These limiting conditions are listed under Part 201-7 which is the general requirement which allows for capping. Through these actions, the facility will avoid applicability to the Part 231-2 NSR rule.

**Compliance Certification**

**Summary of monitoring activities at GLOBAL COMPANIES LLC - INWOOD TERMINAL:**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Cond No.</b>	<b>Type of Monitoring</b>
FACILITY	15	record keeping/maintenance procedures



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FACILITY	16	record keeping/maintenance procedures
FACILITY	17	record keeping/maintenance procedures
1-RACK1/-/RGS/RACK1	23	record keeping/maintenance procedures
1-RACK1/-/RGS/RACK1	24	record keeping/maintenance procedures
1-RACK1/-/RGS/RACK1	25	record keeping/maintenance procedures
1-RACK1/-/RGS/RACK1	26	record keeping/maintenance procedures
1-RACK1/-/RGS/VPORS	27	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	2	record keeping/maintenance procedures
FACILITY	33	record keeping/maintenance procedures
FACILITY	34	work practice involving specific operations
FACILITY	35	work practice involving specific operations
FACILITY	36	intermittent emission testing
FACILITY	37	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	8	work practice involving specific operations
FACILITY	9	record keeping/maintenance procedures
FACILITY	10	work practice involving specific operations
FACILITY	39	record keeping/maintenance procedures
FACILITY	11	record keeping/maintenance procedures
FACILITY	12	record keeping/maintenance procedures
FACILITY	13	record keeping/maintenance procedures

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**Basis for Monitoring**

Part 201-7

All conditions cited under this rule represent a cap to avoid applicability to the rules cited in the conditions. The Inwood facility is accepting several enforceable limits to avoid applicability to NSR requirements under Part 231-2 and the Gasoline Distribution Facility MACT under 40 CFR Part 63, Subpart R. To demonstrate compliance with the limits, the facility is proposing the following:

- a). Stack testing to show compliance with a VOC emission limit of 10 mg/l from the gasoline loading rack. Verification of this limit together with the other supporting monitoring conditions listed under 201-7 (see below) should demonstrate that the facility emissions will not exceed the major source thresholds for volatile organic compounds (VOC) and hazardous air pollutants (HAP). Consequently, the facility will avoid applicability to both the NSR and MACT requirements mentioned above. [NOTE: Controlling VOC emissions will also control HAP's which are also VOC compounds and a subset of them. Compliance with the 10mg/l limit also has the added result of demonstrating compliance with the emission limits set forth in Part 229.3(d) (0.67 lbs/1000 gallons which corresponds to 80 mg/l) and 40 CFR 60, Subpart XX 60.502(b) (35 mg/l). Since this limit is well below those other emission limits, the permit has not included those limits as part of the streamlining process for this permit.
- b). Recordkeeping including calculations of the monthly and cumulative consecutive 12-month HAP emissions using commonly used and accepted emission factors and material throughput values. This will verify compliance with the HAP emission limits for capping out of the MACT requirement under Part63, Subpart R on a regular basis.
- c). Recordkeeping including calculations of the monthly and cumulative consecutive 12-month VOC emissions employing commonly used and accepted emission factors and material throughput values. This will verify compliance with the VOC emission limits for capping out of the NSR requirement under Part 231-2 on a regular basis.
- d). Calculations determined in (b) and (c) above will assume material throughput limits of 250 and



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100 million gallons per year of gasoline and distillate fuel oil, respectively. Limiting these throughputs will effectively limit VOC and HAP emissions so that the facility will avoid applicability to both NSR and MACT requirements under Part 231-2 and 40 CFR 63, Subpart R. The throughput limits will be verified through delivery and distribution records.

It should be noted that all conditions listed under this rule are displayed in the state only enforceable section of the permit because Part 201-7 has not been approved by the US EPA as part of the federally approved state implementation plan or SIP. Despite this, these capping conditions will still be considered federally enforceable and consequently subject to compliance certification requirements. This reasoning is based on a 1995 federal circuit court which essentially ruled that federal enforceability rests on whether the capping requirement is practically enforceable and the requirement has gone through public noticing. Since all of the capping conditions meet both of these criteria, they will be considered as federally enforceable.

**Part 225-1.2(a)(2)**

Compliance with sulfur in fuel limit will be verified through third party certification of analyses. Because this facility receives fuel oil by pipeline and marine vessel regular sampling is problematic particularly regarding pipeline deliveries. Third party certification by suppliers, in this case refineries, have proven to be reliable and accurate. However, since this facility also supplies certification of sulfur content to its customers, a supplemental monitoring requirement has been added to verify the third party certification by spot sampling stored fuel oil on a monthly basis.

**Part 225-1.8**

Compliance with this requirement will be demonstrated by maintaining the fuel analyses, testing and certification records for fuel oil which is received and sold. The facility has been allowed to measure API gravity in lieu of specific gravity and heating value. API gravity is tracked by the facility as part of normal production operations and can be easily converted to determine specific gravity and heating value.

**Part 225-3.3(a) and 225-3.4(a)**

Compliance with the gasoline RVP standard will be demonstrated through periodic sampling and testing. Records will maintained as specified in 225-3.4(a).

**Part 229.3(a) and 229.3(e)(1)**

Compliance with these requirement will be verified by visual inspection of the floating roof on a periodic basis.

**Part 229.5**

Records of tank capacities and material throughput will be maintained as specified in the regulation.

**40 CFR 60, Subpart Kb**

Compliance with the NSPS requirements for storage tanks as listed under 60-Kb.112b(a)(1), 60-Kb.113b(a), 60-Kb.115b(a) and 60-Kb.116b will be demonstrated by the monitoring activity specified in the rules. All of these are primarily inspection and recordkeeping requirements.

**40 CFR 60, Subpart XX**

Compliance with the NSPS requirements for Bulk Gasoline Terminals as listed under 60-XX.502, 60-XX.505(b), 60-XX.505(c), and 60-XX.505(f) will be demonstrated as specified by the monitoring activity listed in the rules. Compliance with the 35 mg/l will be verified by the stack testing associated with the 10 mg/l cap under Part 201-7. The monitoring activities involve recordkeeping which is specified in detail in the rules.



**New York State Department of Environmental Conservation  
Permit Review Report**

**Permit ID: 1-2820-00947/00002**

**Renewal Number: 1**

**12/20/2011**

40 CFR Part 64

The John Zink Model AAT-825-10-1-X carbon adsorption system used to control VOC (and HAP) emissions from the loading rack operations was determined to be subject to the Compliance Assurance Monitoring CAM rule. As a result, the applicant was required to submit a comprehensive monitoring plan for this unit. This was reviewed and deemed acceptable. The basic elements of the plan were incorporated into this condition.