



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6405-00073/00060
Effective Date:

Expiration Date:

Permit Issued To: KINDER MORGAN LIQUIDS TERMINALS LLC
500 DALLAS ST STE 1000
HOUSTON, TX 77002

Contact: ROBERT W MINTER
KINDER MORGAN LIQUIDS TERMINALS LLC
4101 ARTHUR KILL RD
STATEN ISLAND, NY 10309
(718) 966-2002

Facility: KINDER MORGAN LIQUIDS TERMINALS LLC
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Description:

PERMIT DESCRIPTION
Kinder Morgan Liquids Terminals LLC
DEC ID # 2-6405-00073/00060 (Ren 1)

The Kinder Morgan Staten Island (KMSI) Terminal (formerly known as Mobil Oil Corporation - Port Mobil) is owned by Kinder Morgan Liquids Terminals LLC. The KMSI Terminal is located at 4101 Arthur Kill Road in Staten Island, Richmond County, New York. The terminal has been in operation since 1940. This is a Title V permit Renewal 1 for an existing petroleum storage and distribution terminal.

This KMSI Terminal is a petroleum warehousing facility, including sixteen (16) above ground active permitted gasoline storage tanks (each tank is equipped with an internal floating roof), and a loading dock for marine transfer operations. Petroleum products are transferred across the loading dock between storage tanks and marine vessels.

Gasoline marine loading emissions are controlled with two (2) identical carbon adsorption systems. The marine loading operation at the KMSI Terminal



consists of a total of five (5) berths. The facility modified the marine terminal in November 1994 when two (2) John Zink vapor recovery units (adsorption reduction units) were installed to collect vapors during marine vessel loading. Operation of the vapor recovery units (VRUs) began on November 17, 1994. The KMSI Terminal does not conduct transfer operations to or from cargo tanks, including tank trucks and railcars (and therefore; not subject to 6 NYCRR 230). The standard industrial classification code (SIC) is 4226 – Special Warehousing and Storage.

The KMSI Terminal is a gasoline/distillate marine loading terminal consisting of the following three emission units, 1-BOIL, 1-RACKS and 1-TANKS. A complete description of each emission unit is listed below.

Emission Unit 1-BOIL consists of two Cleaver Brooks boilers (Emission Sources BOL23 & BOL25) rated at 23.45 MM BTU/hr each. The two boilers operate on # 2 fuel oil (Process DIS). The two boilers are limited to 1,000,000 gallons of fuel usage each annually for a total throughput cap of 2,000,000 gallons/year. Emissions from each of the two boilers exhaust through its own stack, identified as Emission Points 00023 & 00025; respectively.

Emission Unit 1-RACKS is the marine loading area or "Loading Dock" where gasoline, distillates and other liquid products are transferred to and from ships and barges. The Loading Dock is separated into two emission point identifiers, LOAD A & LOAD B, which share Berth's 1, 1A, 3, 6 and 8. Only 4 berths may be operated simultaneously, as Berth's 1 and 1A cannot accommodate vessels simultaneously.

Emission Point LOAD A represents emissions from products requiring and receiving vapor recovery. LOAD A products are potentially loaded at Berth's 1, 1A, 3 and 6. Emission Point LOAD B represents emissions from products not requiring or receiving vapor recovery. LOAD B products are potentially loaded at Berth's 1, 1A, 3, 6 and 8.

Emission Unit 1-RACKS is separated into two main processes, RGS and RDS. RGS represents the loading of marine vessels (ships or barges) with liquid products, such as gasoline, that require or opt for vapor recovery during vessel loading operations through Emission Point LOAD A. Vapors are collected and are sent to the two John Zink vapor reduction units, the "A" unit and the "B" unit (Emission Control VPORS), which are equipped with shared piping to handle the VOC vapors from the controlled loading areas (LOAD A). RDS represents the loading of marine vessels (ships or barges) with liquid products, such as distillates, that do not require nor utilize vapor recovery during vessel loading operations through Emission Point LOAD B. There is a third process, FG1, which consists of miscellaneous fugitive HAP and VOC emissions from



valves, pumps, and flange leakage (Emission Sources/Control 0000A, 0000B & VPORS). All emissions are at insignificant levels from Emission Points LOADA & LOADB.

The vapor recovery system for process RGS utilizes two identical carbon adsorption reduction units, VRU-A and VRU-B (Emission Controls VRU0A & VRU0B), for VOC emission reduction. The two vapor recovery units VRU-A and VRU-B may be utilized alternatively or simultaneously depending upon vessel loading demands. Vessel loading will cease immediately if loading demands exceed the availability and or capability of VRU-A and or VRU-B.

Emission Unit 1-TANKS consists of sixteen (16) storage tanks (Process GAS) of varying volumes permitted to contain petroleum products, including, but not limited to gasoline, constituents of gasoline, fuel grade ethanol, distillate fuel oil, residual fuel oil, diesel fuel oil, and biodiesel. Each of the sixteen storage tanks having a capacity of greater than 40,000 gallons. All of these 16 storage tanks are domed fixed roof tanks with internal floating roofs. The sixteen storage tanks are defined as Emission Sources TK044, TK045, TK049, TK050, TK051, TK052, TK053, TK054, TK055, TK056, TK057, TK058, TK059, TK060, TK061 & TK062 with Emission Points 00044, 00045, 00049, 00050, 00051, 00052, 00053, 00054, 00055, 00056, 00057, 00058, 00059, 00060, 00061 & 00062, respectively.

The facility is subject to the MACT (section 63 NESHAPS) for marine tank vessel loading - facilities that emit greater than or equal to 10 tons per year of any one HAP or greater than or equal to 25 tons per year of total HAP. The marine vapor recovery unit is regulated by 40 CFR 63 Subpart Y. The MACT standard requires that the vapor recovery units reduce captured HAP emission from marine tank vessel loading operations by 97 percent by weight as stated in 40 CFR 63.562(b)(2).

The Title V Permit contains a complete listing of the applicable Federal, State and compliance monitoring requirements for the facility, its emission units and emission points for record keeping and compliance reporting. None of the petroleum liquid storage tanks are subject to NSPS 40 CFR 60 Subpart K, Ka or Kb. The facility is required to comply with 40 CFR 63-R, National Emission Standards for Gasoline Distribution Facilities in terms of storage vessels (40 CFR 63-Y.423), equipment leaks (40 CFR 63-Y.424), continuous monitoring (40 CFR 63-Y.427), reporting & recordkeeping (40 CFR 63-Y.428) and delegation of authority (40 CFR 63-Y.429). Also, the facility is required to comply with 40 CFR 63-Y, National Emission Standards for Marine Tank Vessel Loading Operations in terms of applicability (40 CFR 63-Y.560), standards (40 CFR 63-Y.562), compliance & performance testing (40 CFR 63-Y.563). monitoring requirements (40 CFR 63-Y.564). test methods &



procedures (40 CFR 63-Y.565), and construction & reconstruction (40 CFR 63-Y.566). The facility is subject to the provisions of Title V for sulfur dioxide, fuel composition and use - sulfur limitations, 6 NYCRR 225. Also, the facility is subject to 6 NYCRR 229, existing requirements for NYCMA gasoline loading terminals and petroleum liquid fixed roof storage tanks control requirements. The two small boilers (< 50 MM Btu/hr each) are subject to the 20% opacity limit, and the annual tune-up NO_x RACT for small boilers (6 NYCRR 227).

The facility operates other sources which are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c), including twenty-three (23) distillate and residual fuel oil storage tanks with a storage capacity of <300,000 bbls and seven (7) storage tanks with a capacity of <10,000 gallons.

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

Permit Administrator: JOHN F CRYAN
 NYSDEC
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5407

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 2 HEADQUARTERS



DEC GENERAL CONDITIONS

**** General Provisions ****

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:



Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

**** Facility Level ****

Condition 5: Submission of application for permit modification or renewal-REGION 2 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: KINDER MORGAN LIQUIDS TERMINALS LLC
500 DALLAS ST STE 1000
HOUSTON, TX 77002

Facility: KINDER MORGAN LIQUIDS TERMINALS LLC
4101 ARTHUR KILL RD
STATEN ISLAND, NY 10309

Authorized Activity By Standard Industrial Classification Code:
4226 - SPECIAL WAREHOUSING & STORAGE

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and
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Applications for permit renewals, modifications and transfers
Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 2
HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-6.5(e): Compliance Certification
- 25 6NYCRR 201-6.5(g): Non Applicable requirements
- 26 6NYCRR 202-2.1: Compliance Certification
- 27 6NYCRR 202-2.1: Compliance Certification
- 28 6NYCRR 225-1.2: Compliance Certification
- 29 6NYCRR 225-1.2: Compliance Certification
- 30 6NYCRR 225-1.8: Compliance Certification
- 31 6NYCRR 225-3.3(a): Compliance Certification
- 32 6NYCRR 225-3.4(a): Compliance Certification
- 33 6NYCRR 225-3.4(b): Compliance Certification
- 34 6NYCRR 225-3.4(c): Compliance Certification



- 35 6NYCRR 225-3.4(d): Compliance Certification
- 36 6NYCRR 229.3(f)(2): Compliance Certification
- 37 6NYCRR 229.3(f)(2): Compliance Certification
- 38 6NYCRR 229.4(a): Testing and monitoring requirements
- 39 6NYCRR 229.4(a): Compliance Certification
- 40 6NYCRR 229.5(e): Compliance Certification
- 41 40CFR 63.424, Subpart R: Compliance Certification
- 42 40CFR 63.427(c), Subpart R: Compliance Certification
- 43 40CFR 63.429, Subpart R: Compliance Certification
- 44 40CFR 63.566, Subpart Y: Compliance Certification

Emission Unit Level

- 45 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 46 6NYCRR 201-6: Process Definition By Emission Unit

EU=1--BOIL,EP=00023,Proc=DIS,ES=BOL23

- 47 6NYCRR 227-1.3: Compliance Certification
- 48 6NYCRR 227-1.3(a): Compliance Certification
- 49 6NYCRR 227-2.4(d): Compliance Certification

EU=1--BOIL,EP=00025,Proc=DIS,ES=BOL25

- 50 6NYCRR 227-1.3: Compliance Certification
- 51 6NYCRR 227-1.3(a): Compliance Certification
- 52 6NYCRR 227-2.4(d): Compliance Certification

EU=1-RACKS

- 53 6NYCRR 229.1(b)(2)(v): Compliance Certification
- 54 6NYCRR 229.1(b)(2)(v): Compliance Certification
- 55 6NYCRR 229.1(g)(3): Compliance Certification
- 56 40CFR 63.560(c), Subpart Y: Part 63 General Provisions requirements
- 57 40CFR 63.562, Subpart Y: Compliance Certification
- 58 40CFR 63.562(a), Subpart Y: Compliance Certification
- 59 40CFR 63.562(b)(1)(i), Subpart Y: Compliance Certification
- 60 40CFR 63.562(b)(1)(ii), Subpart Y: Compliance Certification
- 61 40CFR 63.562(b)(1)(iii), Subpart Y: Compliance Certification
- 62 40CFR 63.562(b)(2), Subpart Y: Compliance Certification
- 63 40CFR 63.562(b)(5), Subpart Y: Compliance Certification
- 64 40CFR 63.562(b)(6), Subpart Y: Compliance Certification
- 65 40CFR 63.562(e)(1), Subpart Y: Compliance Certification
- 66 40CFR 63.562(e)(2), Subpart Y: Compliance Certification
- 67 40CFR 63.562(e)(4), Subpart Y: Compliance Certification
- 68 40CFR 63.562(e)(5), Subpart Y: Compliance Certification
- 69 40CFR 63.562(e)(6), Subpart Y: Compliance Certification
- 70 40CFR 63.563, Subpart Y: Compliance Certification
- 71 40CFR 63.563(a), Subpart Y: Compliance Certification
- 72 40CFR 63.563(b), Subpart Y: Compliance Certification
- 73 40CFR 63.563(b), Subpart Y: Compliance Certification
- 74 40CFR 63.563(c), Subpart Y: Compliance Certification
- 75 40CFR 63.564, Subpart Y: Compliance Certification
- 76 40CFR 63.564(a)(1), Subpart Y: Compliance Certification
- 77 40CFR 63.564(a)(2), Subpart Y: Compliance Certification
- 78 40CFR 63.564(a)(3), Subpart Y: Compliance Certification
- 79 40CFR 63.564(a)(4), Subpart Y: Compliance Certification
- 80 40CFR 63.564(a)(5), Subpart Y: Compliance Certification



- 81 40CFR 63.564(c), Subpart Y: Compliance Certification
- 82 40CFR 63.564(c), Subpart Y: Compliance Certification
- 83 40CFR 63.564(g), Subpart Y: Compliance Certification
- 84 40CFR 63.564(j), Subpart Y: Compliance Certification
- 85 40CFR 63.565(a), Subpart Y: Compliance Certification
- 86 40CFR 63.565(b), Subpart Y: Compliance Certification
- 87 40CFR 63.565(d), Subpart Y: Compliance Certification
- 88 40CFR 63.565(g), Subpart Y: Compliance Certification
- 89 40CFR 63.565(l), Subpart Y: Compliance Certification

EU=1-RACKS,Proc=RGS

- 90 6NYCRR 229.1(g): Compliance Certification
- 91 6NYCRR 229.1(g)(5): VOC compliance

EU=1-RACKS,EP=LOADA,Proc=RGS

- 92 6NYCRR 229.3(f): Marine Vessel Loading

EU=1-RACKS,EP=LOADA,Proc=RGS,ES=VPORS

- 93 6NYCRR 229.3(d)(1): Compliance Certification

EU=1-RACKS,EP=LOADA,Proc=RGS,ES=VRU0A

- 94 40CFR 63.564(g), Subpart Y: Compliance Certification

EU=1-RACKS,EP=LOADA,Proc=RGS,ES=VRU0B

- 95 40CFR 63.564(g), Subpart Y: Compliance Certification

EU=1-TANKS

- 96 6NYCRR 229.1(b)(1)(i): Compliance Certification
- 97 6NYCRR 229.3(a): Compliance Certification
- 98 6NYCRR 229.3(a): Compliance Certification
- 99 6NYCRR 229.5(a): Compliance Certification
- 100 40CFR 60.112b(a), NSPS Subpart Kb: Compliance Certification
- 101 40CFR 63.423, Subpart R: Compliance Certification
- 102 40CFR 63.428, Subpart R: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 103 ECL 19-0301: Contaminant List
- 104 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 105 6NYCRR 211.2: Air pollution prohibited



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6NYCRR Part 201-1.5

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

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

(1) An emergency occurred and that the facility owner and/or

operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department

within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



- Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 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.
- Item D: 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 E: 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 F: 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 G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR 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 J: 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 New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 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 L: Permit Exclusion - ECL 19-0305

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



Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.6

Item 1.1:

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

**Condition 2: Fees
Effective for entire length of Permit**

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

Item 2.1:

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

**Condition 3: Recordkeeping and reporting of compliance monitoring
Effective for entire length of Permit**

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

Item 3.1:

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



- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

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

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective for entire length of Permit

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

Item 4.1:

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

Condition 5: Compliance Certification
Effective for entire length of Permit

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to



the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for



deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

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



Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary



Source Compliance Section, the Region 2 EPA representative
for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2010.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year. Statements are to be mailed to: New York State
Department of Environmental Conservation, Division of Air
Resources, Bureau of Air Quality Planning, 625 Broadway,
Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective for entire length of Permit



Applicable Federal Requirement:6NYCRR 202-2.5

Item 8.1:

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 215

Item 9.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

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

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

**Condition 10: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.7

Item 10.1:

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

**Condition 11: Recycling and Salvage
Effective for entire length of Permit**



Applicable Federal Requirement:6NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information
Effective for entire length of Permit



Effective for entire length of Permit

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

**Condition 19: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 20: Visible Emissions Limited
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 211.3

Item 20.1:

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

**Condition 21: Accidental release provisions.
Effective for entire length of Permit**



Applicable Federal Requirement:40CFR 68

Item 21.1:

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 22: Recycling and Emissions Reduction
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

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

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

**Condition 23: Emission Unit Definition
 Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Item 23.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1--BOIL

Emission Unit Description:

Emission Unit 1-BOIL consists of two Cleaver Brooks boilers (Emission Sources BOL23 & BOL25) rated at 23.45 MM BTU/hr each. The two boilers operate on # 2 fuel oil



(Process DIS). The two boilers are limited to 1,000,000 gallons of fuel usage each annually for a total throughput cap of 2,000,000 gallons/year.

There are two identical stacks, Emission Points 00023 & 00025. Emissions from each of the two boilers exhaust through its own stack, identified as Emission Points 00023 & 00025. Emissions from Boiler BOL23 exhaust through Emission Point 00023, and emissions from Boiler BOL25 exhaust through Emission Point 00025.

Building(s): BOILER HSE

Item 23.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-MISCT

Emission Unit Description:

Emission Unit 1-MISCT consists of one (1) wastewater tank (Emission Source TK048), containing wastewater contaminated with gasoline and distillates. Emission Source TK048 is associated with Process FG2, with insignificant emissions (Emission Point 00048).

Building(s): TANK FARM

Item 23.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-RACKS

Emission Unit Description:

Emission Unit 1-RACKS is the marine loading area or "Loading Dock" where gasoline, distillates and other liquid products are transferred to and from ships and barges. The Loading Dock is separated into two emission point identifiers, LOAD A & LOAD B, which share Berth's 1, 1A, 3, 6 and 8. Only 4 berths may be operated simultaneously, as Berth's 1 and 1A cannot accommodate vessels simultaneously.

Emission point LOAD A represents emissions from products requiring and receiving vapor recovery. LOAD A products are potentially loaded at Berth's 1, 1A, 3 and 6. Emission Point LOAD B represents emissions from products not requiring or receiving vapor recovery. LOAD B products are potentially loaded at Berth's 1, 1A, 3, 6 and 8.

Emission Unit 1-RACKS is separated into two processes, RGS and RDS. RGS represents the transfer of liquid products, such as gasoline, that require or opt for vapor recovery during vessel loading operations through emission point LOAD A. RDS represents the transfer of liquid products, such as distillates, that do not require nor utilize vapor recovery during vessel loading operations through emission point LOAD B.



The vapor recovery system for process RGS utilizes two identical carbon adsorption systems, VRU-A and VRU-B, for VOC emission reduction. VRU-A and VRU-B may be utilized alternatively or simultaneously depending upon vessel loading demands. Vessel loading will cease immediately if loading demands exceed the availability and or capability of VRU-A and or VRU-B.

The marine terminal at the facility was modified in November 1994, when two (2) John Zink vapor recovery units (adsorption/absorption reduction units) were installed, to collect the vapors coming out during the marine loading of the tank vessels. Operation of the VRUs began on November 17, 1994.

Building(s): LOADING AR

Item 23.4:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-TANKS

Emission Unit Description:

Emission Unit 1-TANKS consists of sixteen (16) storage tanks (Process GAS) of varying volumes permitted to contain petroleum products, including, but not limited to gasoline, constituents of gasoline, fuel grade ethanol, distillate fuel oil, residual fuel oil, diesel fuel oil, and biodiesel. Each of the sixteen storage tanks having a capacity of greater than 40,000 gallons. All of these 16 storage tanks are domed fixed roof tanks with internal floating roofs. The sixteen storage tanks are defined as Emission Sources TK044, TK045, TK049, TK050, TK051, TK052, TK053, TK054, TK055, TK056, TK057, TK058, TK059, TK060, TK061 & TK062 with Emission Points 00044, 00045, 00049, 00050, 00051, 00052, 00053, 00054, 00055, 00056, 00057, 00058, 00059, 00060, 00061 & 00062, respectively.

Building(s): TANK FARM

Condition 24: Compliance Certification
Effective for entire length of Permit

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



Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit Shield. Except as otherwise provided in this Subpart, the Department shall expressly include in a facility permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. This permit shield applies provided all 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 Part 621 of this Title or from exercising its summary abatement authority. Nothing in this paragraph or in any Title V facility permit shall alter or affect the following:

- (1) The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- (2) The liability of an owner or operator of a Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- (3) The applicable requirements of Title IV of the Act;
- (4) The ability of the Department or the Administrator to obtain information from a facility owner and/or operator concerning the ability to enter, inspect and monitor the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.



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

**Condition 25: Non Applicable requirements
Effective for entire length of Permit**

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

Item 25.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 225-3.6

Reason: Regulation 6 NYCRR 225-3.6 was amended on 10/24/2001, to remove the oxygen content requirement for gasoline.

6NYCRR 225-3.6(d)

Reason: Regulation 6 NYCRR 225-3.6(d) was amended on 10/24/2001, to remove the oxygen content requirement for gasoline.

6NYCRR 229.3(b)

Emission Unit: 1RACKS Process: RGS

Reason: Regulation 6 NYCRR 229.3(b) for VOC at Emission Unit 1-RACKS and Process RGS is not applicable to Kinder Morgan Staten Island Marine Terminal because this facility does not operate any external floating roof gasoline tanks at this terminal and does not load gasoline into transport vehicles either.

6NYCRR 229.3(d)

Reason: Regulation 6 NYCRR 229.3(d) for annual inspections is not applicable to this facility because Kinder Morgan Staten Island Marine Terminal does not have any petroleum liquid external floating roof tanks. Also, 6 NYCRR 229.3(d) is not applicable to this facility because there is no loading of transport vehicles at Kinder Morgan Staten Island Marine Terminal.

6NYCRR 229.3(d)

Emission Unit: 1RACKS Emission Point: LOADB

Reason: Regulation 6 NYCRR 229.3(d) for LOADB is not applicable to this facility because this regulation refers to gasoline truck loading terminals, and this facility does not have a truck loading rack. This facility is only a Marine Vessel Loading facility.

6NYCRR 229.3(d)

Emission Unit: 1RACKS Emission Point: LOADA



Reason: Regulation 6 NYCRR 229.3(d) for LOADA is not applicable to this facility because this regulation refers to gasoline truck loading terminals, and this facility does not have a truck loading rack. This facility is only a Marine Vessel Loading facility.

40CFR 60-K

Reason: NSPS for petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC is non-applicable for this facility because all of the sixteen (16) storage tanks were constructed and began operation on or before 1954 which is before the applicability dates of 40 CFR 60 Subpart K (6/11/1973 - 5/19/1978). Specifically, Tanks 44 & 45 were constructed in 1940; Tanks 49, 50, 51 & 52 were constructed in 1943; Tanks 53 & 54 were constructed in 1947; Tanks 55, 56 & 57 were constructed in 1948; Tank 60 was constructed in 1950; Tanks 58 & 59 were constructed in 1951; and Tanks 61 & 62 were constructed in 1954. A change in products stored in the storage tanks or installation of floating roof does not subject the storage tanks to the requirements of 40 CFR 60 Subpart K. The sixteen (16) storage tanks are in Emission Unit 1-TANKS and they are Tanks 44, 45, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 and 62.

40CFR 60-Ka

Reason: NSPS for petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC is non-applicable for this facility because all of the sixteen (16) storage tanks were constructed and began operation on or before 1954 which is before the applicability dates of 40 CFR 60 Subpart Ka (5/18/1978 - 7/23/1984). Specifically, Tanks 44 & 45 were constructed in 1940; Tanks 49, 50, 51 & 52 were constructed in 1943; Tank 53 and 54 were constructed in 1947; Tanks 55, 56 & 57 were constructed in 1948; Tank 60 was constructed in 1950; Tanks 58 & 59 were constructed in 1951; and Tanks 61 & 62 were constructed in 1954. A change in products stored in the storage tanks or installation of floating roof does not subject the storage tanks to the requirements of 40 CFR 60 Subpart Ka. The sixteen (16) storage tanks are in Emission Unit 1-TANKS and they are Tanks 44, 45, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 and 62.

40CFR 60-Kb

Reason: NSPS for petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC is non-applicable for this facility because all of the sixteen (16) storage tanks were constructed and began operation on or before 1954 which is before the applicability date of 40 CFR 60 Subpart Kb (7/23/1984). Specifically, Tanks 44 & 45 were constructed in 1940; Tanks 49, 50, 51 & 52 were constructed in 1943; Tank 53 & 54 were constructed in



1947; Tanks 55, 56 & 57 were constructed in 1948; Tank 60 was constructed in 1950; Tanks 58 & 59 were constructed in 1951; and Tanks 61 & 62 were constructed in 1954. A change in products stored in the storage tanks or installation of floating roof does not subject the storage tanks to the requirements of 40 CFR 60 Subpart Kb. The sixteen (16) storage tanks are in Emission Unit 1-TANKS and they are Tanks 44, 45, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 and 62.

40CFR 60-XX

Reason: NSPS for Standard of Performance for Bulk gasoline Terminals Loading Racks over 20,000 gallons per day, 40 CFR 60 Subpart XX - reporting and recordkeeping is non-applicable for this facility because this facility does not have a truck loading rack, it is a marine terminal only and it does not deliver liquid product into gasoline tank trucks.

40CFR 63-R.427

Reason: Regulation 40 CFR 63.427(a) & (b), Subpart R is not applicable to this facility because there are no vapor controls at this facility for Subpart R compliance, mainly because gasoline cargo tanks (delivery tank trucks or railcars) are not loaded at this facility.

Regulation 40 CFR 63.428(c) 1-3, Subpart R is not applicable to this facility because there are no vapor controls at this facility for Subpart R compliance, mainly because gasoline cargo tanks (delivery tank trucks or railcars) are not loaded at this facility.

40CFR 63-Y.560(a)(1)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.560(a)(1), Subpart Y at Emission Unit 1-RACKS is for the applicability provisions to Subpart Y for HAP. This applicability is a one-time requirement that was fulfilled by the previous owner/operator (Exxon Mobil), and therefore; it is not an applicable certification requirement.

40CFR 63-Y.560(e)(1)(i)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.560(e)(1)(i), Subpart Y is for the compliance dates applicability for MACT Sources for HAP at Emission Unit 1-RACKS. This applicability is a one-time requirement that was fulfilled by the previous owner/operator (Exxon Mobil), and therefore; it is not an applicable certification requirement.

40CFR 63-Y.560(e)(2)(i)

Emission Unit: 1RACKS



Reason: Regulation 40 CFR 63.560(e)(2)(i), Subpart Y is for the compliance dates applicability for MACT Sources for HAP at Emission Unit 1-RACKS. This applicability is a one-time requirement that was fulfilled by the previous owner/operator (Exxon Mobil), and therefore; it is not an applicable certification requirement.

40CFR 63-Y.560(e)(2)(ii)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.560(e)(2)(ii), Subpart Y is for the compliance dates applicability for MACT Sources for HAP at Emission Unit 1-RACKS. This applicability is a one-time requirement that was fulfilled by the previous owner/operator (Exxon Mobil), and therefore; it is not an applicable certification requirement.

40CFR 63-Y.560(e)(2)(v)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.560(e)(2)(v), Subpart Y is for the extension of compliance allowance dates applicability for MACT Sources for HAP at Emission Unit 1-RACKS of up to 1 year if it can demonstrate that the additional time is necessary for installation of the control device. This applicability is a one-time requirement that was fulfilled by the previous owner/operator (Exxon Mobil), and therefore; it is not an applicable certification requirement.

40CFR 63-Y.562(e)(3)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.562(e)(3), Subpart Y for MACT Sources for HAP at Emission Unit 1-RACKS is not applicable to this facility because the QA/QC (O & M) Plan has already been accepted by EPA and the QA/QC Plan was not deficient and therefore no changes are required.

40CFR 63-Y.564(b)(1)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.564(b)(1), Subpart Y for MACT Sources for HAP at Emission Unit 1-RACKS is not applicable to this facility because the vapor collection system at the terminal does not contain any vent stream by-passes or valves that could divert a vent stream from the control device.



40CFR 63-Y.564(b)(2)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.564(b)(2), Subpart Y for MACT Sources for HAP at Emission Unit 1-RACKS is not applicable to this facility because the vapor collection system at the terminal does not contain any vent stream by-passes or valves (i. e. entrance to by-passline) that could divert a vent stream from the control device to the atmosphere.

40CFR 63-Y.564(b)(3)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.564(b)(3), Subpart Y for MACT Sources for HAP at Emission Unit 1-RACKS is not applicable to this facility because the vapor collection system at the terminal does not contain any vent stream by-passes or valves (i. e. entrance to by-passline) that could divert a vent stream from the control device to the atmosphere.

40CFR 63-Y.565(f)(2)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.565(f)(2), Subpart Y is not applicable to KMSI Marine Terminal as per 40 CFR 563(b)(6)(ii), where the owner or operator shall comply with paragraph (b)(6)(ii)(A), (B), or (C). KMSI Marine Terminal complies with (A) for monitoring outlet VOC concentration. Therefore, baseline stream flow and temperature with steam regeneration specified under (C) is not applicable.

40CFR 63-Y.565(h)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.563(b)(6)(ii), Subpart Y is not applicable to KMSI Marine Terminal as per 40 CFR 563(b)(6)(ii), where the owner or operator shall comply with paragraph (b)(6)(ii)(A), (B), or (C). KMSI Marine Terminal complies with (A) for monitoring outlet VOC concentration. Therefore, baseline regenerative time for vacuum regeneration under (B) is not applicable.



40CFR 63-Y.565(i)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.565(i), Subpart Y is not applicable to KMSI Marine Terminal as per 40 CFR 563(b)(6)(ii), where the owner or operator shall comply with paragraph (b)(6)(ii)(A), (B), or (C). KMSI Marine Terminal complies with (A) for monitoring outlet VOC concentration. Therefore, baseline vacuum pressure for vacuum regeneration under (B) is not applicable.

40CFR 63-Y.565(j)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.565(j), Subpart Y for MACT Sources for HAP at Emission Unit 1-RACKS is not applicable to this facility because the adsorption system (John Zink VRUs) is vacuum regenerated and compliance is demonstrated by the continuous monitoring of VOC outlet concentration (CEMs) on the stack as per 40 CFR 63.565(g).

40CFR 63-Y.565(m)

Emission Unit: 1RACKS

Reason: Regulation 40 CFR 63.565(m), Subpart Y for MACT Sources for HAP at Emission Unit 1-RACKS is not applicable to this facility because there is no alternative testing procedure or method used.

Condition 26: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.1

Item 26.1:



The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) Any owner or operator of a facility in a nonattainment area for ozone must submit an emission statement to the Department for any calendar year in which the facility has the potential to emit any regulated air pollutant listed in table 1, at a rate which equals or exceeds the applicable threshold:

TABLE

1

FACILITY REPORTING
THRESHOLDS--NONATTAINMENT AREAS

Air Contaminant (tons/year)	Threshold
Volatile Organic Compounds ("VOC")	25
Oxides of Nitrogen ("NO{x}")	25
Carbon Monoxide ("CO")	100
Sulfur Dioxide ("SO2")	100
Particulate Matter, diameters less than 10 microns ("PM10")	100
Lead and its compounds *	5
Any one hazardous air pollutant	10



Combination of hazardous air pollutants
25

Any other regulated air pollutant
100

* lead and its compounds, measured as
elemental lead

(c) If the actual emissions or potential to emit of a facility equals or exceeds the facility reporting threshold for any regulated air pollutant, emissions of all regulated air pollutants emitted must be reported even if the other regulated air pollutants are emitted at a level below their respective thresholds. Regulated air pollutants must be reported as individual chemicals (chemical abstract number) as listed in the facility's certificates to operate issued pursuant to Part 201 of this Title. Where possible, the potential to emit will be determined by the Department from a facility's current permits, issued pursuant to Part 201 of this Title.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 27: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.1

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Any owner or operator of a facility in a nonattainment area for ozone must submit an emission statement to the Department for any calendar year in which the facility has the potential to emit



any regulated air pollutant listed in table 1, at a rate which equals or exceeds the applicable threshold:

TABLE

1

FACILITY REPORTING THRESHOLDS--NONATTAINMENT AREAS

Air Contaminant (tons/year)	Threshold
Volatile Organic Compounds ("VOC")	25
Oxides of Nitrogen ("NO{x}")	25
Carbon Monoxide ("CO")	100
Sulfur Dioxide ("SO2")	100
Particulate Matter, diameters less than 10 microns ("PM10")	100
Lead and its compounds *	5
Any one hazardous air pollutant	10
Combination of hazardous air pollutants	25
Any other regulated air pollutant	100

* lead and its compounds, measured as elemental lead

(b) Any owner or operator of a facility



in areas designated as attainment for ozone must submit an emission statement to the Department for any calendar year in which the facility has the potential to emit any regulated air pollutant listed in table 2 at a rate which equals or exceeds the applicable threshold:

TABLE

2

FACILITY REPORTING THRESHOLDS--ATTAINMENT AREAS (OZONE TRANSPORT REGION)

Air Contaminant (tons/year)	Threshold
--------------------------------	-----------

VOC	50
-----	----

NO _x	100
-----------------	-----

CO	100
----	-----

SO ₂	100
-----------------	-----

PM ₁₀	100
------------------	-----

Lead and its compounds *	5
--------------------------	---

Any one hazardous air pollutant	10
---------------------------------	----

Combination of hazardous air pollutants	25
---	----

Any other regulated air pollutant	100
-----------------------------------	-----

* lead and its compounds, measured as elemental lead

(c) If the actual emissions or potential to emit of a facility equals or exceeds



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any residual fuel (#4, #5 and/or #6 fuel oil) which contains sulfur in a quantity exceeding the limitations specified in Table 1 for 6 NYCRR 225-1.2(c), Table 2 for 6 NYCRR 225-1.2(d) and Table 3 for 6 NYCRR 225-1.2(d) of this section and as appropriate outside of the New York City area. The sulfur limit listed below (0.30 percent by weight) for residual fuel - number 4, number 5 and/or number 6 fuel oil is for the New York City area. The facility must maintain records on site for every sale or purchase of fuel oil and its sulfur content for a minimum of three years after the date of the last entry.

The intent of 6 NYCRR 225-1.2 is to prohibit within a certain region the combustion of fuels with sulfur contents exceeding certain levels. The KMSI Marine Terminal is located within the New York City area which has sulfur content limit of 0.30 percent by weight for residual fuel and 0.20 percent by weight for distillates.

Note that KMSI Marine Terminal does not sell or offer for sale any fuels from this terminal.

The reference test method for determining the sulfur content in fuel oil is any test method that is acceptable to the commissioner or New York State Department of Environmental Conservation. ASTM Method D4292 is one such method, but is not specifically required by New York State.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: Acceptable Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

**Condition 29: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 225-1.2

Item 29.1:



The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any distillate (#1 and #2 oil) which contains sulfur in a quantity exceeding the limitations specified in Table 1 for 6 NYCRR 225-1.2(c), Table 2 for 6 NYCRR 225-1.2(d) and Table 3 for 6 NYCRR 225-1.2(d) of this section and as appropriate outside of the New York City area. The sulfur limit listed below (0.20 percent by weight) for distillates - number 1 and number 2 oil is for the New York City area. The facility must maintain records on site for every sale or purchase of fuel oil and its sulfur content for a minimum of three years after the date of the last entry.

The intent of 6 NYCRR 225-1.2 is to prohibit within a certain region the combustion of fuels with sulfur contents exceeding certain levels. The KMSI Marine Terminal is located within the New York City area which has sulfur content limit of 0.30 percent by weight for residual fuel and 0.20 percent by weight for distillates.

Note that KMSI Marine Terminal does not sell or offer for sale any fuels from this terminal.

The reference test method for determining the sulfur content in fuel oil is any test method that is acceptable to the commissioner or New York State Department of Environmental Conservation. ASTM Method D4292 is one such method, but is not specifically required by New York State.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: Acceptable Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



Subsequent reports are due every 12 calendar month(s).

**Condition 30: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

225-1.8 Reports, sampling and analysis.

(a) The commissioner may require an owner of an air contamination source to retain for up to three years, and to submit to him, fuel analyses, information on the quantity of fuel received, burned or sold, and results of stack sampling, stack monitoring and other procedures to ensure compliance with the provisions of this Subpart.

(b) (1) Any person who sells oil and/or coal must retain, for at least three years, records containing the following information:

(i) fuel analyses and data on the quantities of all oil and coal received; and

(ii) the names of all purchasers, fuel analyses and data on the quantities of all oil and coal sold.

(2) Such analyses must contain, as a minimum:

(i) data on the sulfur content, ash content, specific gravity and heating value of residual oil;

(ii) data on the sulfur content, specific gravity and heating value of distillate oil; and

(iii) data on the sulfur content, ash content and heating value of coal.

(c) Persons required to maintain and retain records pursuant to subdivision (b) of this section must make such records available for inspection during normal business hours by the commissioner or his representative, and must furnish copies of such records to the commissioner or his representative upon request.

(d) Sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the commissioner. NYSDEC may require at its discretion, a letter of explanation of how, when and where KMSI Marine Terminal analyzes fuels for sulfur, heating value and



specific gravity.

Note that KMSI Marine Terminal does not sell or offer for sale any fuels.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 31: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 225-3.3(a)

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Any gasoline sold or supplied to a retailer or wholesale purchaser-consumer, shall have a Reid Vapor pressure (RVP) no greater than 9.0 pounds per square inch (psi), during the period of May 1st through September 15th of each year. Sampling and testing will be done according to a protocol approved by the Department.

The reference test method will be an acceptable method to the Commissioner, but ASTM Method D323-99a is the recommended method.

KMSI Marine Terminal does not sell or offer for sale any fuels.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: GASOLINE

Parameter Monitored: REID VAPOR PRESSURE

Upper Permit Limit: 9.0 pounds per square inch absolute

Reference Test Method: ASTM Method D323-99a

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

Condition 32: Compliance Certification



Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 225-3.4(a)

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a refinery, terminal, or bulk plant from which gasoline, subject to 6 NYCRR Part 225-3, is distributed must maintain records on the gasoline that is delivered to or distributed from such facilities.

These records shall include:

1. The RVP of the gasoline if subject to section 225-3.3 of 6 NYCRR Part 225-3.
2. A designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.
3. Written certification that the gasoline:
 - i. conforms with all RVP requirements of 6 NYCRR Part 225-3; and
 - ii. is in compliance with all applicable State and Federal regulations which apply during the time period (s) and location in which the gasoline is intended to be dispensed to motor vehicles.

Records of the Reid vapor pressure of gasoline distributed from the facility must be maintained for two (2) years from the date of delivery.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 33: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 225-3.4(b)

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records shall be provided with gasoline which is distributed from this facility:

- (1) A copy of the certification produced for paragraph (a)(3) of 6 NYCRR Part 225-3.4.
- (2) Documentation of the maximum RVP of the gasoline if the gasoline was subject to section 225-3.3 of this Subpart.
- (3) Designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.
- (4) Documentation of the shipment quantity and the shipment date of the gasoline being distributed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 34: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 225-3.4(c)

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each retailer or wholesale purchaser-consumer shall maintain records on each delivery of gasoline. These records shall include the following information:

- (1) A copy of the certification that demonstrates the gasoline conforms with all applicable RVP and oxygen content requirements of 6 NYCRR Part 225-3.
- (2) Documentation of the maximum RVP of the gasoline if the gasoline was subject to 6 NYCRR Part 225-3.3.
- (3) Designation of the appropriate time period(s) in which the gasoline is intended to be dispensed to motor vehicles.



(4) Documentation of the shipment quantity and the shipment date of the gasoline being distributed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 35: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 225-3.4(d)

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Facility is required to maintain records in one or more of the following subdivisions; 6 NYCRR Part 225-3.4(a), (b) or (c). The records must be made available to the commissioner or his or her representative, for inspection during normal business hours, at the location from which the gasoline was delivered, sold, or dispensed. The facility must furnish copies of these records to the commissioner or his or her representative upon request. Facility shall maintain all records and documentation required to be made or maintained in accordance with 6 NYCRR Part 225-3.4, including any calculations performed, for at least two years from date of delivery.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 36: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.3(f)(2)

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-RACKS
Process: RGS

Emission Point: LOADA
Emission Source: VPORS



Emission Unit: 1-RACKS Process: RGS	Emission Point: LOADA Emission Source: VRU0A
Emission Unit: 1-RACKS Process: RGS	Emission Point: LOADA Emission Source: VRU0B
Emission Unit: 1-RACKS Process: RGS	Emission Point: LOADA Emission Source: BER01
Emission Unit: 1-RACKS Process: RGS	Emission Point: LOADA Emission Source: BER03
Emission Unit: 1-RACKS Process: RGS	Emission Point: LOADA Emission Source: BER1A
Emission Unit: 1-RACKS Process: RGS	Emission Point: LOADA Emission Source: BER06

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The marine vapor recovery unit is regulated by 40 CFR 63 Subpart Y. The MACT portion of this regulation requires that the vapor recovery units meet 97% recovery efficiency as stated in 40 CFR 63.562(b)(2):

MACT standard shall reduce captured HAP emission from marine tank vessel loading operations by 97 weight percent.

KMSI Marine Terminal has chosen a vapor recovery unit that has a carbon adsorption/absorption system. As per the stack test in 2002, the Vapor Recovery Unit (Emission Controls VPORS, VRU0A & VRU0B) at Berths # 1, 1A, 3 & 6 at Emission Point LOADA is operating at less than 10 mg/l under worst case conditions. Any problems with the unit will be documented and fixed immediately to ensure that it operates at no higher than this maximum level.

At the marine tank vessel loading/unloading, the facility is required to be equipped with and operate a gasoline vapor recovery system or other control system (Emission Controls VPORS, VRU0A & VRU0B) at Berth's 1, 1A, 3, 6 and 8 of the loading dock at Emission Point LOADA, which must not return the vapors to any tank equipped with a floating roof tank, and must reduce the captured gasoline vapors (VOC emissions) during loading and unloading of marine vessels (ships or barges) by a minimum of 97% of the total



VOC emissions to the outdoor atmosphere. In the past, the facility has demonstrated 10 mg/l VOC emission. The vapor recovery unit must capture gasoline vapors during loading and unloading of gasoline, and must condense, absorb, adsorb or combust the gasoline vapors so 97 % by weight of the captured VOC emissions from the loading or unloading of gasoline are reduced. In the past, the facility has demonstrated 10 mg/l VOC emission.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.3(f)(2)

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(f)(2) Requires vapor control of 90% for marine vessel loading facilities of more than 15,000 gallons of gasoline per day. As per the stack tests for both vapor recovery units (VRUs) in 2002, the Vapor Recovery Units (VRUs) are operating at greater than 99% (at 97% as per compliance with 40 CFR 63-Y562(b)(2)). Therefore, the total VOC emissions to the outdoor atmosphere are reduced by 97 percent by weight as a result of the vapor control systems.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 38: Testing and monitoring requirements
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.4(a)

Item 38.1:

The owner and/or operator of a vapor collection and control system must follow notification requirements, protocol



requirements, and test procedures of Part 202 of this title for testing and monitoring to determine compliance with the emission limits and control requirements required of this Part.

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.4(a)

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of a vapor collection and control system must follow notification requirements, protocol requirements and test procedures of 6 NYCRR Part 202 for testing and monitoring to determine compliance with the emission limits and control requirements required. Depending upon conditions at a test site, one of the following test methods from Appendix A of 40 CFR part 60 (see table 1, section 200.9) must be used to determine volatile organic compound (VOC) concentrations of a gas stream at the inlet and outlet of a control device:

(1) Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography.

(2) Method 25, Determination of Total Gaseous Organic Emissions as Carbon.

(3) Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.

(4) Methods not listed above must be approved in advance by the department's representative and the United States Environmental Protection Agency.

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.5(e)



Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 008006-61-9 GASOLINE

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily gasoline throughput for marine vessel loading facilities. Records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: DAILY

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 41: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.424, Subpart R

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 63.424 Standards: Equipment leaks.

(a) Each owner or operator of a bulk gasoline terminal or pipeline breakout station subject to the provisions of this subpart shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

(b) A log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

(c) Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an



initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in paragraph (d) of this section.

(d) Delay of repair of leaking equipment will be allowed upon a demonstration to the Administrator that repair within 15 days is not feasible. The owner or operator shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed.

(e) Initial compliance with the requirements in paragraphs (a) through (d) of this section shall be achieved by existing sources as expeditiously as practicable, but no later than December 15, 1997. For new sources, initial compliance shall be achieved upon startup.

(f) As an alternative to compliance with the provisions in paragraphs (a) through (d) of this section, owners or operators may implement an instrument leak monitoring program that has been demonstrated to the Administrator as at least equivalent.

(g) Owners and operators shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

- (1) Minimize gasoline spills;
- (2) Clean up spills as expeditiously as practicable;
- (3) Cover all open gasoline containers with a gasketed seal when not in use;
- (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.427(c), Subpart R

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

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



Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 63.427 Continuous monitoring.

(c) Each owner or operator of gasoline storage vessels subject to the provisions of §63.423 shall comply with the monitoring requirements in §60.116b of this chapter, except records shall be kept for at least 5 years. If a closed vent system and control device are used, as specified in §60.112b(a)(3) of this chapter, to comply with the requirements in §63.423, the owner or operator shall also comply with the requirements in paragraph (a) of this section.

Manufacturer Name/Model Number: Continuous Emission Monitoring System

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.429, Subpart R

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR 63.429, Subpart R: Delegation of authority:

(a) In delegating implementation and enforcement authority to a State under section 112(1) of the Act, the authority contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.

(b) The authority conferred in 40 CFR 63.426-R and 40 CFR 63.427-Y(a)(5) will not be delegated to any State.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Certification



Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.566, Subpart Y

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63-Y.566 - NESHAP - Marine Tank Vessel Loading -
Construction & Reconstruction:

(a) The owner or operator of an affected source shall fulfill all requirements for construction or reconstruction of a source in §63.5 of subpart A of this part in accordance with the provisions for applicability of subpart A to this subpart in Table 1 of §63.560 and construction or reconstruction requirements in this section.

(b)(1) Application for approval of construction or reconstruction. The provisions of this paragraph and §63.5(d)(1)(ii) and (iii), (2), (3), and (4) of subpart A implement section 112(i)(1) of the Act.

(2) General application requirements. An owner or operator who is subject to the requirements of §63.5(b)(3) of subpart A shall submit to the Administrator an application for approval of 623 the construction of a new source, the reconstruction of a source, or the reconstruction of a source not subject to the emissions standards in §63.562 such that the source becomes an affected source. The application shall be submitted as soon as practicable before the construction or reconstruction is planned to commence. The application for approval of construction or reconstruction may be used to fulfill the initial notification requirements of §63.567(b)(3). The owner or operator may submit the application for approval well in advance of the date construction or reconstruction is planned to commence in order to ensure a timely review by the Administrator and that the planned commencement date will not be delayed.

(c) Approval of construction or reconstruction based on prior State preconstruction review. The owner or operator shall submit to the Administrator the request for approval of construction or reconstruction under this paragraph and §63.5(f)(1) of subpart A of this part no later than the



application deadline specified in paragraph (b)(2) of this section. The owner or operator shall include in the request information sufficient for the Administrator's determination. The Administrator will evaluate the owner or operator's request in accordance with the procedures specified in §63.5(e) of subpart A of this part. The Administrator may request additional relevant information after the submittal of a request for approval of construction or reconstruction.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

****** Emission Unit Level ******

**Condition 45: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Item 45.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1--BOIL

Emission Point: 00023

Height (ft.): 60 Diameter (in.): 24
NYTMN (km.): 4488.751 NYTME (km.): 564.059 Building: BOILER HSE

Emission Point: 00025

Height (ft.): 60 Diameter (in.): 37
NYTMN (km.): 4488.715 NYTME (km.): 564.036 Building: BOILER HSE

Item 45.2:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-MISCT

Emission Point: 00031

Height (ft.): 31 Diameter (in.): 180
NYTMN (km.): 4488.563 NYTME (km.): 563.829 Building: TANK FARM

Emission Point: 00048

Height (ft.): 36 Diameter (in.): 37
NYTMN (km.): 4488.53 NYTME (km.): 563.813 Building: TANK FARM

Item 45.3:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-RACKS



Emission Point: LOADA
 Height (ft.): 16 Diameter (in.): 37
 NYTMN (km.): 4488.39 NYTME (km.): 563.841 Building: LOADING AR

Emission Point: LOADB
 Height (ft.): 16 Diameter (in.): 12
 NYTMN (km.): 4488.365 NYTME (km.): 563.83 Building: LOADING AR

Item 45.4:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-TANKS

Emission Point: 00044
 Height (ft.): 51 Diameter (in.): 37
 NYTMN (km.): 4488.334 NYTME (km.): 563.944 Building: TANK FARM

Emission Point: 00045
 Height (ft.): 51 Diameter (in.): 1440
 NYTMN (km.): 4488.268 NYTME (km.): 564.042 Building: TANK FARM

Emission Point: 00049
 Height (ft.): 49 Diameter (in.): 1440
 NYTMN (km.): 4488.37 NYTME (km.): 564.03 Building: TANK FARM

Emission Point: 00050
 Height (ft.): 45 Diameter (in.): 1404
 NYTMN (km.): 4488.442 NYTME (km.): 563.997 Building: TANK FARM

Emission Point: 00051
 Height (ft.): 45 Diameter (in.): 1404
 NYTMN (km.): 4488.475 NYTME (km.): 564.064 Building: TANK FARM

Emission Point: 00052
 Height (ft.): 45 Diameter (in.): 1404
 NYTMN (km.): 4488.405 NYTME (km.): 564.101 Building: TANK FARM

Emission Point: 00053
 Height (ft.): 51 Diameter (in.): 1200
 NYTMN (km.): 4488.326 NYTME (km.): 564.17 Building: TANK FARM

Emission Point: 00054
 Height (ft.): 50 Diameter (in.): 960
 NYTMN (km.): 4488.368 NYTME (km.): 564.258 Building: TANK FARM

Emission Point: 00055
 Height (ft.): 51 Diameter (in.): 1440
 NYTMN (km.): 4488.439 NYTME (km.): 564.169 Building: TANK FARM

Emission Point: 00056
 Height (ft.): 51 Diameter (in.): 1440
 NYTMN (km.): 4488.508 NYTME (km.): 564.136 Building: TANK FARM



Emission Point: 00057
 Height (ft.): 51 Diameter (in.): 1440
 NYTMN (km.): 4488.542 NYTME (km.): 564.206 Building: TANK FARM

Emission Point: 00058
 Height (ft.): 48 Diameter (in.): 1620
 NYTMN (km.): 4488.472 NYTME (km.): 564.239 Building: TANK FARM

Emission Point: 00059
 Height (ft.): 49 Diameter (in.): 1620
 NYTMN (km.): 4488.407 NYTME (km.): 564.351 Building: TANK FARM

Emission Point: 00060
 Height (ft.): 50 Diameter (in.): 720
 NYTMN (km.): 4488.504 NYTME (km.): 564.306 Building: TANK FARM

Emission Point: 00061
 Height (ft.): 48 Diameter (in.): 960
 NYTMN (km.): 4488.57 NYTME (km.): 564.27 Building: TANK FARM

Emission Point: 00062
 Height (ft.): 48 Diameter (in.): 960
 NYTMN (km.): 4488.607 NYTME (km.): 564.343 Building: TANK FARM

**Condition 46: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Item 46.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1--BOIL
 Process: DIS Source Classification Code: 1-02-005-02
 Process Description:

Process DIS is the operation of each of the two 23.45 MM BTU/hr Cleaver Brooks boilers (Emission Sources BOL23 & BOL25) in Emission Unit 1-BOIL, which operate on # 2 fuel oil (distillate oil). The two boilers are limited to 1,000,000 gallons of fuel usage each annually for a total throughput cap of 2,000,000 gallons per year. Emissions from each of the two boilers are exhausted through two separate identical stacks, identified as Emission Points 00023 & 00025 for Boilers BOL23 & BOL25; respectively.

Emission Source/Control: BOL23 - Combustion
 Design Capacity: 23.45 million Btu per hour

Emission Source/Control: BOL25 - Combustion
 Design Capacity: 23.45 million Btu per hour

Item 46.2:



This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-MISCT

Process: FG2

Source Classification Code: 4-07-999-97

Process Description:

Process FG2 is the insignificant emissions from one (1) wastewater tank (Emission Source TK048) with Emission Point 00048 containing wastewater contaminated with gasoline and distillates in Emission Unit 1-MISCT. This tank has activity with insignificant emissions.

A similar tank to TANK 48, is Tank 31 (TK031) with design capacity of 39,174 gallons, which remains on site, but is no longer in operation.

Emission Source/Control: TK048 - Process

Design Capacity: 4,270,426 gallons

Item 46.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACKS

Process: FG1

Source Classification Code: 4-04-001-51

Process Description:

Process FG1 in Emission Unit 1-RACKS consists of miscellaneous fugitive HAP and VOC emissions from valves, pumps, and flange leakage (Emission Sources/Control 0000A, 0000B & VPORS). All emissions are at insignificant levels from Emission Points LOADA & LOADB.

Emission Source/Control: VPORS - Control

Control Type: VAPOR RECOVERY SYSTEM (VAPOR ADSORPTION/ABSORPTION UNIT)

Emission Source/Control: 0000A - Process

Emission Source/Control: 0000B - Process

Item 46.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACKS

Process: RDS

Source Classification Code: 4-06-002-51

Process Description:

Process RDS in Emission Unit 1-RACKS is the is the loading of marine vessels (ships or barges) with liquid products, such as distillates, that do not require nor utilize vapor recovery during vessel loading operations through Emission Point LOAD B.

Emission Unit 1-RACKS is the marine loading area or "Loading Dock" where gasoline, distillates and other liquid products are transferred to and from ships and



barges. The Loading Dock is separated into two emission point identifiers, LOAD A & LOAD B, which share Berth's 1, 1A, 3, 6, 8. Note that only 4 berths may be operated simultaneously, as Berth's 1 and 1A cannot accommodate vessels simultaneously.

Emission Point LOAD B represents emissions from products not requiring or receiving vapor recovery. LOAD B products are potentially loaded at Berth's 1, 1A, 3, 6 and 8.

Emission Unit 1-RACKS is separated into two processes, RGS and RDS. RDS represents the transfer of liquid products, such as distillates, that do not require nor utilize vapor recovery during vessel loading operations through Emission Point LOAD B.

Emission Source/Control: 0000B - Process

Emission Source/Control: BER01 - Process

Emission Source/Control: BER03 - Process

Emission Source/Control: BER06 - Process

Emission Source/Control: BER08 - Process

Emission Source/Control: BER1A - Process

Item 46.5:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-RACKS

Process: RGS

Source Classification Code: 4-06-002-32

Process Description:

Process RGS in Emission Unit 1-RACKS is the loading of marine vessels (ships or barges) with liquid products, such as gasoline, that require or opt for vapor recovery during vessel loading operations through Emission Point LOAD A. Vapors are collected and are sent to the two vapor reduction units, the "A" unit and the "B" unit (Emission Control VPORS), which are equipped with shared piping to handle the VOC vapors from the controlled loading areas (LOAD A).

Emission Unit 1-RACKS is the marine loading area or "Loading Dock" where gasoline, distillates and other liquid products are transferred to and from ships and barges. The Loading Dock is separated into two emission point identifiers, LOAD A & LOAD B, which share Berth's 1,



1A, 3, 6, 8. Note that only 4 berths may be operated simultaneously, as Berth's 1 and 1A cannot accommodate vessels simultaneously.

Emission Point LOAD A represents emissions from products requiring and receiving vapor recovery. LOAD A products are potentially loaded at Berth's 1, 1A, 3 and 6.

Emission Unit 1-RACKS is separated into two processes, RGS and RDS. RGS represents the transfer of liquid products, such as gasoline, that require or opt for vapor recovery during vessel loading operations through Emission Point LOAD A.

The vapor recovery system for process RGS utilizes two identical carbon adsorption systems, VRU-A and VRU-B (Emission Controls VRU0A & VRU0B), for VOC emission reduction. The two vapor recovery units VRU-A and VRU-B may be utilized alternatively or simultaneously depending upon vessel loading demands. Vessel loading will cease immediately if loading demands exceed the availability and or capability of VRU-A and or VRU-B. Since the two vapor recovery units share piping, they are combined as (Emission Control VPORS).

Emission Source/Control: VPORS - Control
Control Type: VAPOR RECOVERY SYSTEM (VAPOR ADSORPTION/ABSORPTION UNIT)

Emission Source/Control: VRU0A - Control
Control Type: VAPOR RECOVERY SYSTEM (VAPOR ADSORPTION/ABSORPTION UNIT)

Emission Source/Control: VRU0B - Control
Control Type: VAPOR RECOVERY SYSTEM (VAPOR ADSORPTION/ABSORPTION UNIT)

Emission Source/Control: 0000A - Process

Emission Source/Control: BER01 - Process

Emission Source/Control: BER03 - Process

Emission Source/Control: BER06 - Process

Emission Source/Control: BER1A - Process

Item 46.6:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-TANKS
Process: GAS

Source Classification Code: 4-04-001-60



Process Description:

Process GAS is the storage of the sixteen (16) storage tanks in Emission Unit 1-TANKS. Each of the sixteen storage tanks having a capacity of greater than 40,000 gallons. The sixteen storage tanks are defined as Emission Sources TK044, TK045, TK049, TK050, TK051, TK052, TK053, TK054, TK055, TK056, TK057, TK058, TK059, TK060, TK061 & TK062. Each storage tank has a domed fixed roof with an internal floating roof system.

Emission Source/Control: TK044 - Process
Design Capacity: 4,257,553 gallons

Emission Source/Control: TK045 - Process
Design Capacity: 4,255,190 gallons

Emission Source/Control: TK049 - Process
Design Capacity: 2,072,239 gallons

Emission Source/Control: TK050 - Process
Design Capacity: 3,357,687 gallons

Emission Source/Control: TK051 - Process
Design Capacity: 3,360,677 gallons

Emission Source/Control: TK052 - Process
Design Capacity: 3,573,261 gallons

Emission Source/Control: TK053 - Process
Design Capacity: 2,799,393 gallons

Emission Source/Control: TK054 - Process
Design Capacity: 1,911,000 gallons

Emission Source/Control: TK055 - Process
Design Capacity: 4,239,015 gallons

Emission Source/Control: TK056 - Process
Design Capacity: 4,226,358 gallons

Emission Source/Control: TK057 - Process
Design Capacity: 4,266,663 gallons

Emission Source/Control: TK058 - Process
Design Capacity: 5,016,725 gallons

Emission Source/Control: TK059 - Process
Design Capacity: 5,022,424 gallons

Emission Source/Control: TK060 - Process
Design Capacity: 987,000 gallons

Emission Source/Control: TK061 - Process



Design Capacity: 1,757,210 gallons

Emission Source/Control: TK062 - Process

Design Capacity: 1,757,210 gallons

**Condition 47: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1--BOIL

Emission Point: 00023

Process: DIS

Emission Source: BOL23

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 227-1.3 Opacity.

(a) No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.

(b) Compliance with the opacity standard may be determined by:

(1) conducting observations in accordance with Reference Method 9;

(2) evaluating Continuous Opacity Monitoring System (COMS) records and reports; and/or

(3) considering any other credible evidence.

(c) Upon written application by a source owner, the commissioner may accept an equivalent opacity standard less stringent than the opacity standard of subdivision (a) of this section for a stationary combustion installation with a maximum operating heat input greater than 50 million Btu per hour, if such source owner can demonstrate through acceptable emission tests for such stationary combustion installation that it is in compliance with all applicable emission standards other than the opacity standard and that the source and any associated emission control equipment is operated and maintained in a manner acceptable to the commissioner. Any stationary combustion installation to be eligible for an equivalent opacity standard must have applied Best



Available Control Technology (BACT) as determined by the commissioner. Any equivalent opacity standard granted by the commissioner shall be submitted to the USEPA for approval as a SIP revision. The owner or operator of a source for which an equivalent opacity standard has been accepted shall not cause or allow emissions to exceed the equivalent opacity.

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1--BOIL

Emission Point: 00023

Process: DIS

Emission Source: BOL23

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.



Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 227-2.4(d)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1--BOIL	Emission Point: 00023
Process: DIS	Emission Source: BOL23

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 227-1.3

Item 50.1:

The Compliance Certification activity will be performed for:



Emission Unit: 1--BOIL
Process: DIS

Emission Point: 00025
Emission Source: BOL25

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 227-1.3 Opacity.

(a) No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.

(b) Compliance with the opacity standard may be determined by:

(1) conducting observations in accordance with Reference Method 9;

(2) evaluating Continuous Opacity Monitoring System (COMS) records and reports; and/or

(3) considering any other credible evidence.

(c) Upon written application by a source owner, the commissioner may accept an equivalent opacity standard less stringent than the opacity standard of subdivision (a) of this section for a stationary combustion installation with a maximum operating heat input greater than 50 million Btu per hour, if such source owner can demonstrate through acceptable emission tests for such stationary combustion installation that it is in compliance with all applicable emission standards other than the opacity standard and that the source and any associated emission control equipment is operated and maintained in a manner acceptable to the commissioner. Any stationary combustion installation to be eligible for an equivalent opacity standard must have applied Best Available Control Technology (BACT) as determined by the commissioner. Any equivalent opacity standard granted by the commissioner shall be submitted to the USEPA for approval as a SIP revision. The owner or operator of a source for which an equivalent opacity standard has been accepted shall not cause or allow emissions to exceed the equivalent opacity.

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Compliance Certification



Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 227-1.3(a)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1--BOIL

Emission Point: 00025

Process: DIS

Emission Source: BOL25

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY



Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 227-2.4(d)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1--BOIL	Emission Point: 00025
Process: DIS	Emission Source: BOL25

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.1(b)(2)(v)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

Marine vessel loading facilities requirements - NYC
Metropolitan Area:

Any marine vessel loading facility which loads petroleum liquids to a marine delivery vessel at a gasoline loading terminal must meet the requirements of the compliance schedule in subdivision (g) of 6 NYCRR 229-1 and the control requirements of 6 NYCRR 229.3(f).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.1(b)(2)(v)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):
CAS No: 008006-61-9 GASOLINE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Facilities loading more than 15000 gallons of gasoline per day must be equipped with and operate a vapor control system which reduces the total VOC emissions to the outdoor atmosphere by 90 percent by weight.

Parameter Monitored: VOC

Upper Permit Limit: 90.0 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.1(g)(3)

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS



The following procedures shall be used to determine compliance with the emissions limits under 63.562(b)(1), (c)(2) and (d)1:

Vent stream by-pass requirements for the terminal's vapor collection system: In accordance with 63.562(b)(1)(i), (c)(2)(i), each valve in the terminal's vapor collection system that would route displaced vapors to the atmosphere either directly or indirectly, shall be secured closed during marine tank vessel loading operations either by using a car-seal or a lock-and-key type configurations, or the by-pass line from the valve shall be equipped with a flow indicator, except for those valves used for pressure/vacuum relief, analyzers, instrumentation devices, sampling and venting for maintenance. Marine tank vessel loading operations shall not be performed with open by-pass lines.

Repairs shall be made to valves, car-seals, or closure mechanisms no later than 15 days after a change in the position of the valve or a break in the car-seal or closure mechanism is detected or no later than prior to the next marine tank vessel loading operation, whichever is later.

Ship-to-shore compatibility of vapor collection systems: Following the date on which the initial performance test is completed, marine tank vessel loading operations must be performed only if the marine tank vessel's vapor collection equipment is compatible to the terminal's vapor collection system; marine tank vessel loading operations must be performed only when the marine tank vessel's vapor collection equipment is connected to the terminal's vapor collection system, as required in 63.562(b) in 63.562(b)(1)(ii), (c)(2)(ii) and (d)(1)(ii).

Pressure/vacuum settings for the marine tank vessel's vapor collection equipment: During the initial performance test required in paragraph (b)(1) of this section, the owner or operator of an affected source shall demonstrate compliance with operating pressure requirements of 33 CFR 154.814 using the procedures in 63.565(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.562(a), Subpart Y



tons per year or more shall:

(i) Vapor collection system of the terminal - equip each terminal with a vapor collection system that is designed to collect HAP vapors displaced from marine tank vessels during marine tank vessel loading operations and to prevent HAP vapors collected at one loading berth from passing through another loading berth to the atmosphere except for those commodities exempted under 40 CFR 63.560(d), Subpart Y.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.562(b)(1)(ii), Subpart Y

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Vapor Collection System for Existing Major Sources:

The emission limitations in these paragraphs apply during marine tank vessel loading operations. The owner or operator of an existing source with emissions of 10 and 25 tons per year or more shall:

(ii) Ship to Shore - limit marine tank vessel loading operations to those vessels that are equipped with vapor collection equipment that is compatible with the terminal's vapor collection system, except for those commodities exempted under 40 CFR 63.560(d), Subpart Y.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification
Effective for entire length of Permit



Applicable Federal Requirement:40CFR 63.562(b)(1)(iii), Subpart Y

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Vapor Collection System for Existing Major Sources:

The emission limitations in these paragraphs apply during marine tank vessel loading operations. The owner or operator of an existing source with emissions of 10 and 25 tons per year or more shall:

(iii) Vapor tightness of marine vessels - limit marine tank vessel loading operations to those vessels that are vapor tight and to those vessels that are connected to the vapor collection system except for those commodities exempted under 40 CFR 63.560(d), Subpart Y.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 62: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.562(b)(2), Subpart Y

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR 63.562(b)(2), Subpart Y - MACT Standards for



Existing Sources with Emissions of 10 or 25 tons:

The owner or operator of an existing sources with emissions of 10 and 25 tons shall reduce captured HAP emissions from marine tank vessel loading operations by 97 weight-per-cent, as described using methods in §63.565 (d) and (l).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.562(b)(5), Subpart Y

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.562(b)(5) - Prevention of Carbon Absorber Emissions During Regeneration:

The owner or operator of a source subject to paragraph (b)(2), (3), or (4) shall prevent HAP emissions from escaping to the atmosphere from the regeneration of the carbon bed when using a carbon adsorber to control HAP emissions from marine tank vessel loading operations.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.562(b)(6), Subpart Y

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):



CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.562(b)(6), Subpart Y - NESHAP - Marine Tank
Vessel Loading - Standards:

Maintenance allowance for loading berths. The owner or operator of a source subject to paragraph (b)(2), (3) or (4), may apply for approval to the Administrator for a maintenance allowance for loading berths based on a percent of annual throughput or annual marine tank vessel loading operation time for commodities not exempted in 40 CFR 63.560(d), Subpart Y. The owner or operator shall maintain records for all maintenance performed on the air pollution control equipment. The Administrator will consider the following in approving the maintenance allowance:

- (i) The owner or operator expects to be in violation of the emissions standards due to maintenance;
- (ii) Due to conditions beyond the reasonable control of the owner or operator, compliance with the emissions standards during maintenance would result in unreasonable economic hardship;
- (iii) The economic hardship cannot be justified by the resulting air quality benefit;
- (iv) The owner or operator has given due consideration to curtailing marine vessel loading operations during maintenance;
- (v) During the maintenance allowance, the owner or operator will endeavor to reduce emissions from other loading berths that are controlled as well as from the loading berth the owner or operator is seeking the maintenance allowance; and
- (vi) During the maintenance allowance, the owner or operator will monitor and report emissions from the loading berth to which the maintenance allowance applies.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 65: Compliance Certification
Effective for entire length of Permit



CAS No: 0NY100-00-0 HAP

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(2) The owner or operator of an affected source shall develop and implement a written operation and maintenance plan that describes in detail a program of corrective action for varying (i.e., exceeding baseline parameters) air pollution control equipment and monitoring equipment, based on monitoring requirements in §63.564, used to comply with these emissions standards. The plan shall also identify all routine or otherwise predictable continuous monitoring system (thermocouples, pressure transducers, continuous emissions monitors (CEMS), etc.) variances.

(i) The plan shall specify procedures (preventive maintenance) to be followed to ensure that pollution control equipment and monitoring equipment functions properly and variances of the control equipment and monitoring equipment are minimal.

(ii) The plan shall identify all operating parameters to be monitored and recorded for the air pollution control device as indicators of proper operation and shall establish the frequency at which the parameters will be monitored (see §63.564).

(iii) Owners or operators of affected sources shall incorporate a standardized inspection schedule for each component of the control device used to comply with the emissions standards in §63.562(b), (c), and (d). To satisfy the requirements of this paragraph, the owner or operator may use the inspection schedule recommended by the vendor of the control system or any other technical publication regarding the operation of the control system.

(iv) Owners or operators shall develop and implement a continuous monitoring system (CMS) quality control program. The owner or operator shall develop and submit to the Administrator for approval upon request a site-specific performance evaluation test plan for the CMS performance evaluation required in §63.8(e) of subpart A of this part. Each quality control program shall include, at a minimum, a written protocol that describes procedures for initial and any subsequent calibration of the CMS; determination and adjustment of the calibration drift of the CMS; preventive maintenance of the CMS, including spare parts inventory; data recording, calculations, and



reporting; and accuracy audit procedures, including sampling and analysis methods. The owner or operation shall maintain records of the procedures that are part of the quality control program developed and implemented for CMS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.562(e)(4), Subpart Y

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(4) If the operation and maintenance plan fails to address or inadequately addresses a variance event at the time the plan was initially developed, the owner or operator shall revise the operation and maintenance plan within 45 working days after such an event occurs. The revised plan shall include procedures for operating and maintaining the air pollution control equipment or monitoring equipment during similar variance events and a program for corrective action for such events.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 68: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.562(e)(5), Subpart Y

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS



DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 70: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.563, Subpart Y

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.563, Subpart Y - NESHAP - Marine Tank Vessel
Loading - Compliance and Performance Testing:

The emissions limitations apply during marine tank vessel loading operations. Compliance and performance testing for the required emission limits for marine MACT requirements. All testing will be performed in compliance with this regulation by September 21, 1998.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.563(a), Subpart Y

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.563(a)(4): Vapor-tightness requirements of the



marine vessel:

The owner or operator of an affected source shall use the procedures in paragraph (a)(4)(i), (ii), (iii) or (iv) of this section to insure that marine tank vessels are vapor tight, as required in 63.562(b)(1)(iii), (c)(2)(iii) and (d)(1)(iii).

40 CFR 63.563(a)(4) Vapor-tightness requirements of the marine vessel. The owner or operator of an affected source shall use the procedures in paragraph (a)(4)(i), (ii), (iii), or (iv) of this section to ensure that marine tank vessels are vapor tight, as required in §63.562(b)(1)(iii), (c)(2)(iii), and (d)(1)(iii).

(i) Pressure test documentation for determining vapor tightness of the marine vessel:

The owner or operator of a marine tank vessel, who loads commodities containing HAP not determined to be exempt under §63.560(d) at an affected source, shall provide a copy of the vapor-tightness pressure test documentation described in §63.567(i) for each marine tank vessel prior to loading. The date of the test listed in the documentation must be within the preceding 12 months, and the test must be conducted in accordance with the procedures in §63.565(c)(1). Following the date on which the initial performance test is completed, the affected source must check vapor-tightness pressure test documentation for marine tank vessels loaded at positive pressure.

(ii) Leak test documentation for determining vapor tightness of the marine vessel:

If no documentation of the vapor tightness pressure test as described in paragraph (a)(4)(i) of this section is available, the owner or operator of a marine tank vessel, who loads commodities containing HAP not determined to be exempt under §63.560(d) at an affected source, shall provide the leak test documentation described in §63.567(i) for each marine tank vessel prior to loading. The date of the test listed in the documentation must be within the preceding 12 months, and the test must be conducted in accordance with the procedures in §63.565(c)(2). If the marine tank vessel has failed its most recent vapor-tightness leak test at that terminal, the owner or operator of the non-vapor-tight marine tank vessel shall provide documentation that the leaks detected during the previous vapor-tightness test have been repaired and documented with a successful vapor-tightness leak test described in §63.565(c)(2) conducted during loading. If the owner or operator of the marine tank



vessel can document that repair is technically infeasible without cleaning and gas freeing or dry-docking the vessel, the owner or operator of the affected source may load the marine tank vessel. Following the date on which the initial performance test is completed, an affected source must check the vapor-tightness leak test documentation for marine tank vessels loaded at positive pressure.

(iii) Leak test performed during loading using Method 21 for determining vapor tightness of the marine vessel:

If no documentation of vapor tightness as described in paragraphs (a)(4)(i) or (ii) of this section is available, the owner or operator of a marine tank vessel, who loads commodities containing HAP not determined to be exempt under §63.560(d) at an affected source, shall perform a leak test of the marine tank vessel during marine tank vessel loading operation using the procedures described in §63.565(c)(2).

(A) If no leak is detected, the owner or operator of a marine tank vessel shall complete the documentation described in §63.567(i) prior to departure of the vessel.

(B) If a leak is detected, the owner or operator of the marine tank vessel shall document the vapor-tightness failure for the marine tank vessel prior to departure of the vessel. The leaking component shall be repaired prior to the next marine tank vessel loading operation at a controlled terminal unless the repair is technically infeasible without cleaning and gas freeing or dry-docking the vessel. If the owner or operator of the vessel provides documentation that repair of such equipment is technically infeasible without cleaning and gas freeing or dry-docking the vessel, the equipment responsible for the leak will be excluded from future Method 21 tests until repairs are effected. A copy of this documentation shall be maintained by the owner or operator of the affected source. Repair of the equipment responsible for the leak shall occur the next time the vessel is cleaned and gas freed or dry-docked. For repairs that are technically feasible without dry-docking the vessel, the owner or operator of the affected source shall not load the vessel again unless the marine tank vessel owner or operator can document that the equipment responsible for the leak has been repaired.

(iv) Negative pressure loading:

The owner or operator of an affected source shall ensure



that a marine tank vessel is loaded with the product tank below atmospheric pressure (i.e., at negative gauge pressure). The pressure shall be measured between the facility's vapor connection and its manual isolation valve, and the measured pressure must be below atmospheric pressure. Following the date on which the initial performance test is completed, marine tank vessel loading operations for nonvapor-tight vessels must be performed below atmospheric pressure (i.e., at negative gauge pressure) in the product tank.

Since KMSI Marine Terminal does not own or operate the marine tank vessels (ships or barges), but uses them, New York State Department of Environmental Conservation requires KMSI Marine Terminal's verification that the vapor-tightness test procedures for the marine tank vessel are successfully demonstrated (to be in compliance) during each loading cycle when testing a vessel for vapor tightness to comply with the marine vessel vapor-tightness requirements of §63.563(a)(4)(i).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 72: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.563(b), Subpart Y

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) Compliance determination for affected sources. The following procedures shall be used to determine compliance with the emissions limits under §63.562(b), (c), and (d):

(1) Initial performance test: An initial performance test shall be conducted using the procedures listed in §63.7 of subpart A of this part according to the applicability in Table 1 of §63.560, the procedures listed in this section,



and the test methods listed in §63.565. The initial performance test shall be conducted within 180 days after the compliance date for the specific affected source. During this performance test, sources subject to MACT standards under §63.562(b)(2), (3), (4), and (5) and (d)(2) shall determine the reduction of HAP emissions, as VOC, for all combustion or recovery devices other than flares. Sources subject to RACT standards under §63.562(c)(3), (4), and (5) and (d)(2) shall determine the reduction of VOC emissions for all combustion or recovery devices other than flares.

(3) Operation and maintenance inspections: If the 3-hour or 3-cycle block average operating parameters in paragraphs (b)(4) through (9) of this section, outside the acceptable operating ranges, are measured and recorded, i.e., variances of the pollution control device or monitoring equipment, the owner or operator of the affected source shall perform an unscheduled inspection of the control device and monitoring equipment and review of the parameter monitoring data. The owner or operator of the affected source shall perform an inspection and review when total parameter variance time for the control device is greater than 10 percent of the operating time for marine tank vessel loading operations on a 30-day, rolling-average basis. The inspection and review shall be conducted within 24 hours after passing the allowable variance time of 10 percent. The inspection checklist from the requirements of §63.562(e)(2)(iii) and the monitoring data from requirements in §§63.562(e)(2)(ii) and 63.564 should be used to identify any maintenance problems that may be associated with the variance. The unscheduled inspection should encompass all components of the control device and monitoring equipment that can be inspected while in operation. If any maintenance problem is identified during the inspection, the owner or operator of the affected source must take corrective action (e.g., adjustments to operating controls, etc.) as soon as practicable. If no immediate maintenance problems are identified from the inspection performed while the equipment is operating, a complete inspection in accordance with §63.562(e)(2) must be conducted prior to the next marine tank vessel loading operation and corrective action (e.g., replacement of defective parts) must be taken as soon as practicable for any maintenance problem identified during the complete inspection.

(6) Carbon adsorber: During the initial performance test required in paragraph (b)(1) of this section, the owner or operator shall determine the efficiency of and/or the outlet VOC concentration from the recovery device used to comply with §63.562(b)(2), (3), (4), and (5), (c)(3), (4), and (5), and (d)(2) using the test methods in §63.565(d).



The owner or operator shall comply with paragraph (b)(6)(i) as well as either paragraph (b)(6)(ii) or (iii) of this section. The owner or operator of affected sources complying with paragraph (b)(6)(ii)(B) or (C) of this section shall conduct a performance test once each year.

(i) Compliance determination for carbon bed regeneration. Desorbed hydrocarbons from regeneration of the off-line carbon bed shall be vented to the on-line carbon bed.

(ii) Baseline parameters for required percent recovery efficiency. The owner or operator shall comply with paragraph (b)(6)(ii)(A), (B), or (C) of this section.

(A) Outlet VOC concentration limit for required percent recovery efficiency. The owner or operator shall establish as an operating parameter the baseline VOC concentration using the procedures described in §63.565(g). Following the date on which the initial performance test is completed, the facility shall be operated with a block average outlet VOC concentration as determined in §63.564(g)(1) no more than 20 percent above the baseline VOC concentration.

(B) Carbon adsorbers with vacuum regeneration. The owner or operator shall establish as operating parameters the baseline regeneration time for the vacuum stage of carbon bed regeneration using the procedures described in §63.565(h) and shall establish the baseline vacuum pressure (negative gauge pressure) using the procedures described in §63.565(i). Following the date on which the initial performance test is completed, the facility shall be operated with block average regeneration time of the vacuum stage of carbon bed regeneration as determined in §63.564(g)(2) no more than 20 percent below the baseline regeneration time, and the facility shall be operated with the block average vacuum pressure (negative gauge pressure) as determined in §63.564(g)(2) no more than 20 percent above the baseline vacuum pressure.

(C) Carbon adsorbers with steam regeneration. The owner or operator shall establish as operating parameters the baseline total stream flow using the procedures described in §63.565(j) and a baseline carbon bed temperature after cooling of the bed using the procedures in §63.565(f)(2). Following the date on which the initial performance test is completed, the facility shall be operated with the total stream flow, as determined in §63.564(g)(3), no more than 20 percent below the baseline stream flow and with the carbon bed temperature (measured within 15 minutes



after completion of the cooling cycle), as determined in §63.564(g)(3), no more than 10 percent or 5.6 °C (10 °F) above the baseline carbon bed temperature, whichever is less stringent.

(iii) Outlet VOC concentration of 1,000 ppmv for gasoline loading. Following the date on which the initial performance test is completed, the facility shall operate with a block average outlet VOC concentration as determined in §63.564(g)(1) of no more than 1,200 ppmv VOC.

(10) Emission estimation. The owner or operator of a source subject to §63.562(b)(2), (3), and (4) shall use the emission estimation procedures in §63.565(l) to calculate HAP emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-CYCLE BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.563(b), Subpart Y

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

(b) Compliance determination for affected sources. The following procedures shall be used to determine compliance with the emissions limits under §63.562(b):

(1) Initial performance test: An initial performance test shall be conducted using the procedures listed in §63.7 of subpart A of this part according to the applicability in Table 1 of §63.560, the procedures listed in this section, and the test methods listed in §63.565. The initial performance test shall be conducted within 180 days after the compliance date for the specific affected source.



During this performance test, sources subject to MACT standards under §63.562(b)(2), (3), (4), and (5) and (d)(2) shall determine the reduction of HAP emissions, as VOC, for all combustion or recovery devices other than flares. Sources subject to RACT standards under §63.562(c)(3), (4), and (5) and (d)(2) shall determine the reduction of VOC emissions for all combustion or recovery devices other than flares.

(3) Operation and maintenance inspections: If the 3-hour or 3-cycle block average operating parameters in paragraphs (b)(4) through (9) of this section, outside the acceptable operating ranges, are measured and recorded, i.e., variances of the pollution control device or monitoring equipment, the owner or operator of the affected source shall perform an unscheduled inspection of the control device and monitoring equipment and review of the parameter monitoring data. The owner or operator of the affected source shall perform an inspection and review when total parameter variance time for the control device is greater than 10 percent of the operating time for marine tank vessel loading operations on a 30-day, rolling-average basis. The inspection and review shall be conducted within 24 hours after passing the allowable variance time of 10 percent. The inspection checklist from the requirements of §63.562(e)(2)(iii) and the monitoring data from requirements in §§63.562(e)(2)(ii) and 63.564 should be used to identify any maintenance problems that may be associated with the variance. The unscheduled inspection should encompass all components of the control device and monitoring equipment that can be inspected while in operation. If any maintenance problem is identified during the inspection, the owner or operator of the affected source must take corrective action (e.g., adjustments to operating controls, etc.) as soon as practicable. If no immediate maintenance problems are identified from the inspection performed while the equipment is operating, a complete inspection in accordance with §63.562(e)(2) must be conducted prior to the next marine tank vessel loading operation and corrective action (e.g., replacement of defective parts) must be taken as soon as practicable for any maintenance problem identified during the complete inspection.

(6) Carbon adsorber: During the initial performance test required in paragraph (b)(1) of this section, the owner or operator shall determine the efficiency of and/or the outlet VOC concentration from the recovery device used to comply with §63.562(b)(2), (3), (4), and (5), (c)(3), (4), and (5), and (d)(2) using the test methods in §63.565(d). The owner or operator shall comply with paragraph (b)(6)(i) as well as either paragraph (b)(6)(ii) or (iii) of this section. The owner or operator of affected sources



complying with paragraph (b)(6)(ii)(B) or (C) of this section shall conduct a performance test once each year.

(i) Compliance determination for carbon bed regeneration. Desorbed hydrocarbons from regeneration of the off-line carbon bed shall be vented to the on-line carbon bed.

(ii) Baseline parameters for required percent recovery efficiency. The owner or operator shall comply with paragraph (b)(6)(ii)(A), (B), or (C) of this section.

(A) Outlet VOC concentration limit for required percent recovery efficiency. The owner or operator shall establish as an operating parameter the baseline VOC concentration using the procedures described in §63.565(g). Following the date on which the initial performance test is completed, the facility shall be operated with a block average outlet VOC concentration as determined in §63.564(g)(1) no more than 20 percent above the baseline VOC concentration.

(B) Carbon adsorbers with vacuum regeneration. The owner or operator shall establish as operating parameters the baseline regeneration time for the vacuum stage of carbon bed regeneration using the procedures described in §63.565(h) and shall establish the baseline vacuum pressure (negative gauge pressure) using the procedures described in §63.565(i). Following the date on which the initial performance test is completed, the facility shall be operated with block average regeneration time of the vacuum stage of carbon bed regeneration as determined in §63.564(g)(2) no more than 20 percent below the baseline regeneration time, and the facility shall be operated with the block average vacuum pressure (negative gauge pressure) as determined in §63.564(g)(2) no more than 20 percent above the baseline vacuum pressure.

(C) Carbon adsorbers with steam regeneration. The owner or operator shall establish as operating parameters the baseline total stream flow using the procedures described in §63.565(j) and a baseline carbon bed temperature after cooling of the bed using the procedures in §63.565(f)(2). Following the date on which the initial performance test is completed, the facility shall be operated with the total stream flow, as determined in §63.564(g)(3), no more than 20 percent below the baseline stream flow and with the carbon bed temperature (measured within 15 minutes after completion of the cooling cycle), as determined in §63.564(g)(3), no more than 10 percent or 5.6 °C (10 °F) above the baseline carbon bed temperature, whichever is



less stringent.

(iii) Outlet VOC concentration of 1,000 ppmv for gasoline loading. Following the date on which the initial performance test is completed, the facility shall operate with a block average outlet VOC concentration as determined in §63.564(g)(1) of no more than 1,200 ppmv VOC.

(10) Emission estimation. The owner or operator of a source subject to §63.562(b)(2), (3), and (4) shall use the emission estimation procedures in §63.565(l) to calculate HAP emissions.

Parameter Monitored: VOC

Upper Permit Limit: 1200 parts per million (by volume)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 3-CYCLE BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 74: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.563(c), Subpart Y

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) Leak detection and repair for vapor collection systems and control devices. The following procedures are required for all sources subject to §63.562(b), (c), or (d).

(1) Annual leak detection and repair for vapor collection systems and control devices. The owner or operator of an affected source shall inspect and monitor all ductwork and piping and connections to vapor collection systems and control devices once each calendar year using Method 21.

(2) Ongoing leak detection and repair for vapor collection



systems and control devices. If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method, all ductwork and piping and connections to vapor collection systems and control devices shall be inspected to the extent necessary to positively identify the potential leak and any potential leaks shall be monitored within 5 days by Method 21. Each detection of a leak shall be recorded, and the leak shall be tagged until repaired.

(3) When a leak is detected, a first effort to repair the vapor collection system and control device shall be made within 15 days or prior to the next marine tank vessel loading operation, whichever is later.

Reference Test Method: METHOD 21

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.564, Subpart Y

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring requirements for the vapor collection system and marine vessels. All monitoring will be conducted in compliance with this regulation by the compliance date of September 21, 1998.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 76: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.564(a)(1), Subpart Y

Item 76.1:



The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

CAS No: 0NY998-00-0 VOC

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

§ 63.564 Monitoring requirements.

(a)(1) The owner or operator of an affected source shall comply with the monitoring requirements in §63.8 of subpart A of this part in accordance with the provisions for applicability of subpart A to this subpart in Table 1 of §63.560 and the monitoring requirements in this section.

Process Material: GASOLINE

Parameter Monitored: VOC

Lower Permit Limit: 97 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 77: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.564(a)(2), Subpart Y

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:



§ 63.564 Monitoring requirements.

(a)(2) Each owner or operator of an affected source shall monitor the parameters specified in this section. All monitoring equipment shall be installed such that representative measurements of emissions or process parameters from the source are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include completion of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system.

The analyzer monitors VOC concentrations only. All HAP emissions are speciated from the VOC based on AP-42 factors. Also, the averaging method is "None."

Process Material: GASOLINE

Parameter Monitored: VOC

Lower Permit Limit: 97 percent by weight

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 78: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.564(a)(3), Subpart Y

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

CAS No: 0NY998-00-0 VOC

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

§ 63.564 Monitoring requirements.

(a)(3) Except for system breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high-level calibration drift adjustments, all continuous parametric monitoring systems



(CPMS) and CEMS shall be in continuous operation while marine tank vessel loading operations are occurring and shall meet minimum frequency of operation requirements. Sources monitoring by use of CEMS and CPMS shall complete a minimum of one cycle of operation (sampling, analyzing, and/or data recording) for each successive 15-minute period.

The analyzer monitors VOC concentrations only. All HAP emissions are speciated from the VOC based on AP-42 factors. Also, the averaging method is "None."

Process Material: GASOLINE

Parameter Monitored: VOC

Lower Permit Limit: 97 percent by weight

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

**Condition 79: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.564(a)(4), Subpart Y

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator of a CMS installed in accordance with these emissions standards shall comply with the performance specifications either in performance specification (PS) 8 in 40 CFR part 60, appendix B for CEMS or in § 63.7(c)(6) of subpart A of this part for CPMS. This facility (Kinder Morgan Staten Island Marine Terminal) has chosen to comply with the performance specification (PS) 8, 8A & 2 in 40 CFR Part 60.

Kinder Morgan Staten Island Marine Terminal shall implement a QA/QC protocol for the operation of the vapor recovery unit (VRU) continuous emission monitor (CEM) /



data acquisition system (DAS). The CEMS located at the VRU shall undergo calibration checks on a daily basis using the high level (70-80 % span) gas and on a quarterly basis. The quarterly checks will follow 40 CFR 60 Appendix B; PST 2, 8 and 8A for total hydrocarbon analyzers. A Relative Accuracy Test Audit (RATA) will be conducted annually in accordance with 40 CFR 60 Appendix B; PST 2, 8 and 8A procedures as the Reference Test Method.

The analyzer monitors VOC concentrations only. All HAP emissions are speciated from the VOC based on AP-42 factors.

All documents will be maintained on-site for a period of five (5) years and will be made available to NYS DEC upon request.

Manufacturer Name/Model Number: Continuous Emission Monitor
Parameter Monitored: VOC
Lower Permit Limit: 97 percent by weight
Reference Test Method: 40 CFR 60 App B; PST 2, 8 & 8A
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.564(a)(5), Subpart Y

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

CAS No: 0NY998-00-0 VOC

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

§ 63.564 Monitoring requirements.

(a)(5) A CEMS is out of control when the measured values (i.e., daily calibrations, multipoint calibrations, and



performance audits) exceed the limits specified in either PS 8 or in §63.8(c)(7) of subpart A of this part. The owner or operator of a CEMS that is out of control shall submit all information concerning out of control periods, including start and end dates and hours and descriptions of corrective actions taken, in the excess emissions and continuous monitoring system performance report required in §63.567(e).

The analyzer monitors VOC concentrations only. All HAP emissions are speciated from the VOC based on AP-42 factors.

Process Material: GASOLINE
Parameter Monitored: VOC
Lower Permit Limit: 97 percent by weight
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

**Condition 81: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.564(c), Subpart Y

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

(c) Pressure/vacuum settings for the marine tank vessel's vapor collection equipment. Owners or operators of a source complying with 40 CFR 63Y.563(a)(3) shall measure continuously the operating pressure of the marine tank vessel during loading or each loading cycle.

For Non-Inerted Vessels:

Unit Hi Pressure Shutdown @ 17.00 inches of water column



Unit Low Pressure Shutdown @ - 13.00 inches of water column

Since KMSI Marine Terminal does not own or operate the marine tank vessels but uses them, New York State Department of Environmental Conservation requires KMSI Marine Terminal's verification that the pressure vacuum/settings for the marine tank vessel's (ship's or barge's) vapor collection equipment are continuously measured and are successfully demonstrated (in compliance) during loading or each loading cycle.

Manufacturer Name/Model Number: Pressure/Vacuum Settings
Parameter Monitored: PRESSURE
Lower Permit Limit: - 13.00 inches of water
Upper Permit Limit: 17.00 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: RANGE-NOT TO FALL OUTSIDE OF STATED RANGE EXCEPT DURING STARTUP/SHUTDOWN
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 82: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.564(c), Subpart Y

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

(c) Pressure/vacuum settings for the marine tank vessel's vapor collection equipment. Owners or operators of a source complying with 40 CFR 63Y.563(a)(3) shall measure continuously the operating pressure of the marine tank vessel during loading or each loading cycle.

For Inerted Vessels:

Unit Hi Pressure Shutdown @ 17.00 inches of water column



Unit Low Pressure Shutdown @ 00.00 inches of water column

Since KMSI Marine Terminal does not own or operate the marine tank vessels but uses them, New York State Department of Environmental Conservation requires KMSI Marine Terminal's verification that the pressure vacuum/settings for the marine tank vessel's (ship's or barge's) vapor collection equipment are continuously measured and are successfully demonstrated (in compliance) during loading or each loading cycle.

Manufacturer Name/Model Number: Pressure/Vacuum Settings
Parameter Monitored: PRESSURE
Lower Permit Limit: 0.00 inches of water
Upper Permit Limit: 17.00 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: RANGE-NOT TO FALL OUTSIDE OF STATED RANGE EXCEPT DURING STARTUP/SHUTDOWN
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 83: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.564(g), Subpart Y

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

(g) Carbon adsorber. For sources complying with §63.563(b)(6), use of a carbon adsorber, the owner or operator shall comply with paragraph (g)(1) or (2) of this section.

Baseline outlet VOC concentration. The procedures in this paragraph shall be used to determine the outlet VOC concentration required in §63.563(b)(4), (6), (7), and (8) for combustion devices except flare, carbon adsorbers,



condenser/refrigeration units, and absorbers, respectively, and to monitor the VOC concentration as required in §63.564(e), (g), (h), and (i). The owner or operator shall use the procedures outlined in Method 25A. For the baseline VOC concentration, the arithmetic average of the outlet VOC concentration from three test runs from paragraph (d) of this section shall be calculated for the control device. The VOC concentration shall be measured at least every 15 minutes. Compliance testing of VOC CEMS shall be performed using any of the following Reference Test Methods in 40 CFR 60 Appendix B: Method 25A, B and PST 8, 8A and 2.

(1) Outlet VOC concentration. Monitor the VOC concentrations at the exhaust point of each carbon adsorber unit and record the output from the system. For sources monitoring the outlet VOC concentration established during the performance test, a data acquisition system shall record a concentration every 15 minutes and shall compute and record an average concentration each cycle (same time period or cycle as the performance test) and a 3-cycle block average concentration every third cycle. The owner or operator will install, calibrate, operate, and maintain a CEMS consistent with the requirements of PS 8 to measure the VOC concentration. The daily calibration requirements are required only on days when marine tank vessel loading operations occur.

(2) Carbon adsorbers with vacuum regeneration. Monitor and record the regeneration time for carbon bed regeneration and monitor and record continuously the vacuum pressure of the carbon bed regeneration cycle. The owner or operator will record the time when the carbon bed regeneration cycle begins and when the cycle ends for a single carbon bed and will calculate a 3-cycle block average every third cycle. The owner or operator shall install, calibrate, maintain, and operate a recording pressure measurement device (magnehelic gauge or equivalent device). A data acquisition system shall record and compute a 3-cycle (carbon bed regeneration cycle) block average vacuum pressure every third cycle. The owner or operator shall verify the accuracy of the pressure device once each calendar year with a reference pressure monitor (traceable to National Institute of Standards and Technology (NIST) standards or an independent pressure measurement device dedicated for this purpose). During accuracy checking, the probe of the reference device shall be at the same location as that of the pressure monitor being tested.

Process Material: GASOLINE

Manufacturer Name/Model Number: Carbon adsorber



Parameter Monitored: HAP
Upper Permit Limit: 1000 parts per million (by volume)
Reference Test Method: 40CFR 60 App B, PS 8
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.564(j), Subpart Y

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(j) Alternate monitoring procedures. Alternate procedures to those described in this section may be used upon application to, and approval by, the Administrator. The owner or operator shall comply with the procedures for use of an alternative monitoring method in §63.8(f).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 3 calendar month(s).

Condition 85: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.565(a), Subpart Y

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):



CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Performance testing. The owner or operator of an affected source in §63.562 shall comply with the performance testing requirements in §63.7 of subpart A of this part in accordance with the provisions for applicability of subpart A to this subpart in Table 1 of §63.560 and the performance testing requirements in this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 86: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.565(b), Subpart Y

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) Pressure/vacuum settings of marine tank vessel's vapor collection equipment. For the purpose of determining compliance with §63.563(a)(3), the following procedures shall be used:

(1) Calibrate and install a pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument) capable of measuring up to the maximum relief set pressure of the pressure-vacuum vents;

(2) Connect the pressure measurement device to a pressure tap in the terminal's vapor collection system, located as close as possible to the connection with the marine tank vessel; and



(3) During the performance test required in §63.563(b)(1), record the pressure every 5 minutes while a marine tank vessel is being loaded and record the highest instantaneous pressure and vacuum that occurs during each loading cycle.

Since KMSI Marine Terminal does not own or operate the marine tank vessels (ships or barges) but uses them, New York State Department of Environmental Conservation requires KMSI Marine Terminal's verification that the pressure/vacuum settings for the marine tank vessel's (ship's or barge's) vapor collection equipment are continuously calibrated, measured, recorded and are successfully demonstrated (to be in compliance) during each loading cycle.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 87: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.565(d), Subpart Y

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(d) Combustion (except flare) and recovery control device performance test procedures.

(1) All testing equipment shall be prepared and installed as specified in the appropriate test methods.

(2) All testing shall be performed during the last 20 percent of loading of a tank or compartment.

(3) All emission testing intervals shall consist of each 5 minute period during the performance test. For each 620 interval, the following shall be performed:

(i) Readings. The reading from each measurement instrument shall be recorded.

(ii) Sampling Sites. Method 1 or 1A of appendix A of part 60 of this chapter, as appropriate, shall be used for



selection of sampling sites. Sampling sites shall be located at the inlet and outlet of the combustion device or recovery device except for owners or operators complying with the 1,000 ppmv VOC emissions limit for gasoline vapors under §63.563(b)(6) or (7), where the sampling site shall be located at the outlet of the recovery device.

(iii) Volume exhausted. The volume exhausted shall be determined using Method 2, 2A, 2C, or 2D of appendix A of part 60 of this chapter, as appropriate.

(5) Recovery devices. The average VOC concentration in the vent upstream and downstream of the control device shall be determined using Method 25A of appendix A of part 60 of this chapter for recovery devices. The average VOC concentration shall correspond to the volume measurement by taking into account the sampling system response time.

(6) The VOC mass at the inlet and outlet of the combustion or recovery device during each testing interval shall be calculated as follows:

$$M_j = FKVsCVOC$$

Where:

M_j = mass of VOC at the inlet and outlet of the combustion or recovery device during testing interval j , kilograms (kg).

$F=10^{-6}$ = conversion factor, (cubic meters VOC/cubic meters air)(1/ppmv) (m³ VOC/m³ air)(1/ppmv).

K = density, kilograms per cubic meter (kg/m³ VOC), standard conditions, 20 °C and 760 mm Hg.

V_s = volume of air-vapor mixture at the inlet and outlet of the combustion or recovery device, cubic meters (m³) at standard conditions, 20 °C and 760 mm Hg.

$CVOC$ = VOC concentration (as measured) at the inlet and outlet of the combustion or recovery device, ppmv, dry basis.

s = standard conditions, 20 °C and 760 mm Hg.

(7) The VOC mass emission rates at the inlet and outlet of the recovery or combustion device shall be calculated as follows:

Where:

E_i, E_o = mass flow rate of VOC at the inlet (i) and outlet (o) of the recovery or combustion device, kilogram per hour (kg/hr).

M_{ij}, M_{oj} = mass of VOC at the inlet (i) or outlet (o) during testing interval j , kg.

T = Total time of all testing intervals, hour.

n = number of testing intervals.

(8) Where Method 25 or 25A is used to measure the percent reduction in VOC, the percent reduction across the combustion or recovery device shall be calculated as follows:



Where:

R=control efficiency of control device, percent.

E_i=mass flow rate of VOC at the inlet to the combustion or recovery device as calculated under paragraph (c)(7) of this section, kg/hr.

E_o=mass flow rate of VOC at the outlet of the combustion or recovery device, as calculated under paragraph (c)(7) of this section, kg/hr. 621

(9) Repeat the procedures in paragraph (d)(1) through (d)(8) of this section 3 times. The arithmetic average percent efficiency of the three runs shall determine the overall efficiency of the control device.

(10) Use of methods other than Method 25 or Method 25A shall be validated pursuant to Method 301 of appendix A of part 63 of this chapter.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 88: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.565(g), Subpart Y

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(g) Baseline outlet VOC concentration. The procedures in this paragraph shall be used to determine the outlet VOC concentration required in §63.563(b)(4), (6), (7), and (8) for combustion devices except flare, carbon adsorbers, condenser/refrigeration units, and absorbers, respectively, and to monitor the VOC concentration as required in §63.564(e), (g), (h), and (i). The owner or operator shall use the procedures outlined in Method 25A. For the baseline VOC concentration, the arithmetic average of the outlet VOC concentration from three test runs from paragraph (d) of this section shall be calculated for the control device. The VOC concentration shall be measured at least every 15 minutes. Compliance testing of VOC CEMS



shall be performed using any of the following Reference Test Methods in 40 CFR 60 Appendix B: Method 25A, B and PST 8, 8A and 2.

Reference Test Method: See Monit Description

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 89: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.565(l), Subpart Y

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Emission estimation procedures. For sources with emissions less than 10 or 25 tons and sources with emissions of 10 or 25 tons, the owner or operator shall calculate an annual estimate of HAP emissions, excluding commodities exempted by §63.560(d), from marine tank vessel loading operations. Emission estimates and emission factors shall be based on test data, or if test data is not available, shall be based on measurement or estimating techniques generally accepted in industry practice for operating conditions at the source.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 90: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.1(g)

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS

Process: RGS



Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This Condition applies to Emission Unit: 1-RACKS and
Process: RGS.

The processes subject to this requirement must maintain the VOC control requirements included in any existing permit, regulation, rule, administrative order, or any judicial order until compliance with the provisions of this Part are demonstrated to the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 91: VOC compliance
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.1(g)(5)

Item 91.1:

This Condition applies to Emission Unit: 1-RACKS
Process: RGS

Item 91.2:

The sources must maintain the VOC control requirements included in any existing permit, regulation, rule, administrative order, or any judicial order until compliance with the provisions of 6NYCRR Part 229 is demonstrated to the satisfaction of the commissioner.

Condition 92: Marine Vessel Loading
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.3(f)

Item 92.1:

This Condition applies to Emission Unit: 1-RACKS Emission Point: LOADA
Process: RGS

Item 92.2:

Facilities loading 15000 gallons of gasoline or less per day must be equipped with and operate a vapor balance system or other control system which must have no open operating system to the atmosphere during transfer and must not return the vapors to any tank equipped with a floating roof tank.

Condition 93: Compliance Certification



Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.3(d)(1)

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS Emission Point: LOADA
Process: RGS Emission Source: VPORS

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Kinder Morgan Staten Island Marine Terminal has chosen a vapor recovery unit that has a carbon adsorption/absorption system. As per the stack test in 2002, the Vapor Recovery Unit (VRU) is operating at less than 10 mg/l under worst case conditions. Any problems with the unit will be documented and fixed immediately to ensure that it operates at no higher than this maximum level.

The marine vapor recovery unit is regulated by 40 CFR 63 Subpart Y. The MACT portion of this regulation requires that the vapor recovery units meet 97% recovery efficiency as stated in 40 CFR 63.562(b)(2):

MACT standard shall reduce captured HAP emission from marine tank vessel loading operations by 97 weight percent.

The gasoline vapor collection and control systems must capture gasoline vapors during loading and unloading of gasoline transport vehicles, and must condense, absorb, adsorb or combust the gasoline vapors so emissions do not exceed 0.67 pounds per 1,000 gallons of gasoline loaded or unloaded.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 94: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.564(g), Subpart Y

Item 94.1:



The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS Emission Point: LOADA
Process: RGS Emission Source: VRU0A

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

(g) Carbon adsorber. For sources complying with §63.563(b)(6), use of a carbon adsorber, the owner or operator shall comply with paragraph (g)(1) or (2) of this section. KMSI Marine Terminal has opted to comply with g(1) for Outlet VOC Concentration, as specified below.

KMSI Marine Terminal has two (2) carbon adsorber units, the "A" Unit and the "B" Unit. This condition is for the "A" Unit. The regulated contaminant is HAP.

The contaminant monitored by the CEMS unit is total VOC concentration and not individual or total HAPs. HAPs are speciated from total VOC's annually using AP-42 speciations.

The parameter monitored is VOC. The analyzer monitors VOC concentrations only. All HAP emissions are speciated from the VOC based on AP-42 factors.

Regulation 40 CFR 63.564(a), Subpart Y requires the facility to recover a minimum of 97 % of the vapors (VOC). Regulation 40 CFR 63.564(a), Subpart Y requires the facility to recover a minimum of 97 % of the vapors (VOC). The owner or operator shall establish as an operating parameter the baseline VOC concentration using the procedures described in 40 CFR 63.565(g). Following the date on which the initial performance test is completed, the facility shall be operated with a block average outlet VOC concentration as determined in 40 CFR 63.564(g)(1) no more than 20 percent above the baseline VOC concentration.

The initial performance test was conducted in 1999 and a subsequent performance test was conducted in June 2002 as a means to establish a new baseline VOC concentration. During both the initial and subsequent performance test, the facility demonstrated greater than 99% recovery, which



exceeded the requirement for 97% recovery. Following the performance test conducted in June 2002, US EPA mandated a baseline VOC concentration of 700 ppm.

The Reference Test Method is 40 CFR 60 Appendix B, PST 8, 8A and 2.

For the Monitoring Frequency, the facility records a VOC concentration at least once every 15 minutes and computes and records an average concentration each cycle and a 3-cycle block average concentration every third cycle. A cycle is defined as 60 minutes (same time period as the performance test), as established during the performance test conducted in June 2002.

(1) Outlet VOC concentration. Monitor the VOC concentrations at the exhaust point of each carbon adsorber unit and record the output from the system. For sources monitoring the outlet VOC concentration established during the performance test, a data acquisition system shall record a concentration every 15 minutes and shall compute and record an average concentration each cycle (same time period or cycle as the performance test) and a 3-cycle block average concentration every third cycle. The owner or operator will install, calibrate, operate, and maintain a CEMS consistent with the requirements of PS 8 to measure the VOC concentration. The daily calibration requirements are required only on days when marine tank vessel loading operations occur.

Process Material: GASOLINE
Manufacturer Name/Model Number: Carbon adsorber
Parameter Monitored: VOC
Upper Permit Limit: 8,139 parts per million (by volume)
Reference Test Method: App B; PST 8, 8A & 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-CYCLE BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.564(g), Subpart Y

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-RACKS
Process: RGS

Emission Point: LOADA
Emission Source: VRU0B



Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

(g) Carbon adsorber. For sources complying with §63.563(b)(6), use of a carbon adsorber, the owner or operator shall comply with paragraph (g)(1) or (2) of this section. KMSI Marine Terminal has opted to comply with g(1) for Outlet VOC Concentration, as specified below.

KMSI Marine Terminal has two (2) carbon adsorber units, the "A" Unit and the "B" Unit. This condition is for the "B" Unit. The regulated contaminant is HAP.

The contaminant monitored by the CEMS unit is total VOC concentration and not individual or total HAPs. HAPs are speciated from total VOC's annually using AP-42 speciations.

The parameter monitored is VOC. The analyzer monitors VOC concentrations only. All HAP emissions are speciated from the VOC based on AP-42 factors.

Regulation 40 CFR 63.564(a), Subpart Y requires the facility to recover a minimum of 97 % of the vapors (VOC). The owner or operator shall establish as an operating parameter the baseline VOC concentration using the procedures described in 40 CFR 63.565(g). Following the date on which the initial performance test is completed, the facility shall be operated with a block average outlet VOC concentration as determined in 40 CFR 63.564(g)(1) no more than 20 percent above the baseline VOC concentration.

The initial performance test was conducted in 1999 and a subsequent performance test was conducted in June 2002 as a means to establish a new baseline VOC concentration. During both the initial and subsequent performance test, the facility demonstrated greater than 99% recovery, which exceeded the requirement for 97% recovery. Following the performance test conducted in June 2002, US EPA mandated a baseline VOC concentration of 700 ppm.

The Reference Test Method is 40 CFR 60 Appendix B, PST 8,



8A and 2.

For the Monitoring Frequency, the facility records a VOC concentration at least once every 15 minutes and computes and records an average concentration each cycle and a 3-cycle block average concentration every third cycle. A cycle is defined as 60 minutes (same time period as the performance test), as established during the performance test conducted in June 2002.

(1) Outlet VOC concentration. Monitor the VOC concentrations at the exhaust point of each carbon adsorber unit and record the output from the system. For sources monitoring the outlet VOC concentration established during the performance test, a data acquisition system shall record a concentration every 15 minutes and shall compute and record an average concentration each cycle (same time period or cycle as the performance test) and a 3-cycle block average concentration every third cycle. The owner or operator will install, calibrate, operate, and maintain a CEMS consistent with the requirements of PS 8 to measure the VOC concentration. The daily calibration requirements are required only on days when marine tank vessel loading operations occur.

Process Material: GASOLINE
Manufacturer Name/Model Number: Carbon adsorber
Parameter Monitored: VOC
Upper Permit Limit: 5,154 parts per million (by volume)
Reference Test Method: App B; PST 8, 8A & 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-CYCLE BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 229.1(b)(1)(i)

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 96.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any petroleum liquid fixed roof tank with a capacity of 40,000 gallons or more, located at facilities in the New York City metropolitan area, which emits volatile organic compounds must have demonstrated compliance with the requirements of the Part by October 1, 1982.

As a control requirements for petroleum fixed roof tanks, no person may store petroleum liquid in a fixed tank subject to this part unless:

- (1) the tank has been retrofitted with an internal floating roof or equivalent control; and
- (2) the vapor collection and vapor control systems are maintained and operated in such a way as to ensure the integrity and efficiency of the system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 97: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 229.3(a)

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirement for storage vessels with a fixed roof in combination with an internal floating roof:

Storage vessels with a fixed roof in combination with an internal floating roof must meet the following requirements of 40 CFR 60.112b in order to comply with the NESHAP:

1. The internal floating roof shall rest or float on the liquid surface at all times, except during initial fill and those intervals when the storage vessel is completely emptied or subsequently emptied and refilled.



2. Each internal floating roof shall be equipped with a seal meeting the requirements of 40 CFR 60.112b(a)(1)(ii).
3. Each opening in a noncontact internal floating roof except for automatic bleeder vents and the rim space vents is to provide a projection below the surface.
4. The permittee must visually inspect the floating roof and secondary seals from the tank roof hatch on an annual basis. The permittee must perform a complete inspection of the floating roof and primary and secondary seals with the storage tank empty, every ten (10) years per 40 CFR 60.113b(a)(1-4).

Reference Test Method: Visual

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 98: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 229.3(a)

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person may store petroleum liquid in a fixed roof tank subject to Part 229 unless:

1. the tank has been retrofitted with an internal floating roof or equivalent control; and
2. the vapor collection and vapor control systems are maintained and operated in such a way as to ensure the integrity and efficiency of the system.

The permittee must visually inspect the vapor collection and control systems every calendar quarter to ensure compliance with the above.

The permittee must visually inspect the floating roof and secondary seals from the tank roof hatch on an annual basis.



Records of all inspections must be maintained on site for a period of five years. Inspection records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Reference Test Method: Visual

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 99: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.5(a)

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a gasoline bulk plant, gasoline loading terminal, petroleum liquid storage tank, marine loading vessel facility, or volatile organic liquid storage tank subject to this Part must maintain records of capacities in gallons of petroleum liquid storage tanks subject to section 229.3(a) or 229.3(b) of this part, at the facility for a period of five years.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 100: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.112b(a), NSPS Subpart Kb

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):



CAS No: 0NY998-00-0 VOC

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person may store petroleum liquid in a fixed roof tank subject to Part 229 unless:

1. the tank has been retrofitted with an internal floating roof or equivalent control; and
2. the vapor collection and vapor control systems are maintained and operated in such a way as to ensure the integrity and efficiency of the system.

The permittee must visually inspect the vapor collection and control systems every calendar quarter to ensure compliance with the above.

The permittee must visually inspect the floating roof and secondary seals from the tank roof hatch on an annual basis.

Records of all inspections must be maintained on site for a period of five years. Inspection records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Reference Test Method: Visual

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 101: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.423, Subpart R

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



§ 63.423 Standards: Storage vessels.

(a) Each owner or operator of a bulk gasoline terminal or pipeline breakout station subject to the provisions of this subpart shall equip each gasoline storage vessel with a design capacity greater than or equal to 75 m³ according to the requirements in §60.112b(a) (1) through (4) of this chapter, except for the requirements in §§60.112b(a)(1) (iv) through (ix) and 60.112b(a)(2)(ii) of this chapter.

(b) Each owner or operator shall equip each gasoline external floating roof storage vessel with a design capacity greater than or equal to 75 m³ according to the requirements in §60.112b(a)(2)(ii) of this chapter if such storage vessel does not currently meet the requirements in paragraph (a) of this section.

(c) Each gasoline storage vessel at existing bulk gasoline terminals and pipeline breakout stations shall be in compliance with the requirements in paragraphs (a) and (b) of this section as expeditiously as practicable, but no later than December 15, 1997. At new bulk gasoline terminals and pipeline breakout stations, compliance shall be achieved upon startup.

Storage vessels with a fixed roof in combination with an internal floating roof must meet the following requirements of 40 CFR 60.112b in order to comply with the NESHAP:

1. The internal floating roof shall rest or float on the liquid surface at all times, except during initial fill and those intervals when the storage vessel is completely emptied or subsequently emptied and refilled.
2. Each internal floating roof shall be equipped with a seal meeting the requirements of 40 CFR 60.112b(a)(1)(ii)
3. Each opening in a noncontact internal floating roof except for automatic bleeder vents and the rim space vents is to provide a projection below the surface.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 102: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.428, Subpart R



Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-TANKS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records must be maintained on site to comply with 40 CFR 63 Subpart R:

1. Records of all tank inspections, defects found, and measures taken to correct the defects, as required by 40 CFR 60.115b. These records must be maintained for five years.

2. A log book of the leak detection and repair program.

The following reports must be submitted to meet the requirements of 40 CFR 63 Subpart R:

1. An Initial Notification was due on December 16, 1996, or within 1 year from the date when the affected source became subject to Subpart R, whichever is later.

2. A Notice of Compliance Status must be submitted within 60 days of the completion of the required performance test. The report must contain all information specified in 40 CFR 63.9(h) and 40 CFR 63.428(f).

3. Semiannual Reports containing all information required by 40 CFR 63.428(g) must be submitted.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

**Condition 103: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement:ECL 19-0301

Item 103.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 008006-61-9



Name: GASOLINE

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY998-00-0

Name: VOC

**Condition 104: Unavoidable noncompliance and violations
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-1.4

Item 104.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which



result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 105: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 211.2

Item 105.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

New York State Department of Environmental Conservation

Permit ID: 2-6405-00073/00060

Facility DEC ID: 2640500073

