NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT

First3.99

Industrial Code:	9999	SPDES Number:	NY 0276634
Discharge Class (CL):	01	DEC Number:	2-9902-00098/00007
Toxic Class (TX):	T	Effective Date (EDP):	04/01/2012
Major Drainage Basin:	13	Expiration Date (ExDP):	03/30/2017
Sub Drainage Basin:	01	Modification Dates:(EDPM)	10/16/2012
Water Index Number:	H, GW, SI (See Table of Outfalls)		
Compact Area:	IEC		

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et.seq.)(hereinafter referred to as "the Act").

PERMITTEE NAME AND ADDRESS

Name: **Texas Eastern Transmission, LP** Attention: **George McLachlan**

Street: **150 Warren Street, Suite 201**

City: **Jersey City** State: NJ Zip Code: **07302**

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: **NJ-NY Expansion Project**

Location (C,T,V): **Staten Island** County: **Staten Island**

Facility Address: **Trench**

City: **Staten Island** State: **NY** Zip Code:

NYTM -E: NYTM - N:

From Outfall No.: **001** at Latitude: **40 ° 37 ' 26 "** & Longitude: **74 ° 11 ' 55 "**

into receiving waters known as: **Wetland Trib to Arthur Kill** Class: SD

and; (list other Outfalls, Receiving Waters & Water Classifications)

002 – Class GA/Wetlands, 003 – Class GA/Wetlands, 004 Class GA/Wetlands, 005 – Bridge Creek SD, 007 Class GA/Wetlands, 008 – Class GA/Wetlands:
Manhattan; 009, Hudson River, Class I, 010, Hudson River, Class I

in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth in this perrmit; and 6 NYCRR Part 750-1.2(a) and 750-2.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name: **George McLachlan**

Street: **150 Warren Street, Suite 201**

City: **Jersey City** State: **NY** Zip Code: **07302**

Responsible Official or Agent: **George McLachlan** Phone: **201-427-7527**

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

CO BWP - Permit Coordinator
RWE
RPA
EPA Region II - Michelle Josilo

Permit Administrator: Christopher M. Hogan	
Address: 625 Broadway, Albany, NY 12233	
Signature: Christopher M. Hogan	Date: 10/16/12

Table of Outfalls:

Outfall No.	Design Flow Rate (GPM)	Latitude	Longitude	Receiving Water	Water Class	Water Index Number
001	500 – 2.4MG	40˚37' 25.6" N	74˚ 11' 54.80" W	Wetland	GA/SD	GW/Trib AR-42 (SI-W1A)
002	500 – 2.4MG	40˚37' 32.6" N	74˚ 11' 45.2" W	Wetland	GA/SD	GW/Trib AR-42 (SI-W1A)
003	500 – 2.4MG	40˚37' 24.2" N	74˚ 11' 34.7" W	Wetland	GA/SD	GW/Trib AR-42 (SI-W1A)
004	500 – 2.4MG	40˚37' 50.62" N	74˚ 11' 7.1" W	Wetland/ Bridge Creek	GA/SD	GW/Trib AR-42 (SI-W11)
005	500 – 2.4MG	40˚37' 55.9" N	74˚ 11' 1.8" W	Bridge Creek	SD	Trib AK (SI-W7-S1)
006	500 – 2.4MG	40˚38' 1.2" N	74˚10' 55.94" W	Unnamed Creek	SD	Trib A (SI-W8-S1)
007	500 – 5.4MG	40˚38' 27.32" N	74˚10' 40.28" W	Wetland	GA/SD	GW/Trib (SI-W9)
008	500 – 5.4MG	40˚38' 31.40" N	74˚10' 21.43" W	Wetland	GA/SD	GW/Trib (SI-W10)
009	2000 – 345.6MG	40˚44' 21.89" N	74˚00'41.67" W	Hudson River	I	H
010	2000 – 345.6MG	40˚44' 20.44" N	74˚ 00'39.29" W	Hudson River	I	H

PERMIT LIMITS, LEVELS AND MONITORING DEFINITIONS

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OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
	This cell describes the type of wastewater authorized for discharge. Examples include process or sanitary wastewater, storm water, non-contact cooling water.	This cell lists classified waters of the state to which the listed outfall discharges.	The date this page starts in effect. (e.g. EDP or EDPM)	The date this page is no longer in effect. (e.g. ExDP)

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQ.	SAMPLE TYPE
e.g. pH, TRC, Temperature, D.O.	The minimum level that must be maintained at all instants in time.	The maximum level that may not be exceeded at any instant in time.	SU, °F, mg/l, etc.		

PARA-METER	EFFLUENT LIMIT	PRACTICAL QUANTITATION LIMIT (ML)	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE
	Limit types are defined below in Note 1. The effluent limit is developed based on the more stringent of technology-based standards, required under the Clean Water Act, or New York State water quality standards. The limit has been derived based on existing assumptions and rules. These assumptions include receiving water hardness, pH and temperature; rates of this and other discharges to the receiving stream; etc. If assumptions or rules change the limit may, after due process and modification of this permit, change.	For the purposes of compliance assessment, the analytical method specified in the permit shall be used to monitor the amount of the pollutant in the outfall to this level, provided that the laboratory analyst has complied with the specified quality assurance/quality control procedures in the relevant method. Monitoring results that are lower than this level must be reported, but shall not be used to determine compliance with the calculated limit. This ML can be neither lowered nor raised without a modification of this permit.	Action Levels are monitoring requirements, as defined below in Note 2, that trigger additional monitoring and permit review when exceeded.	This can include units of flow, pH, mass, Temperature, concentration. Examples include µg/l, lbs/d, etc.	Examples include Daily, 3/week, weekly, 2/month, monthly, quarterly, 2/yr and yearly.	Examples include grab, 24 hour composite and 3 grab samples collected over a 6 hour period.

Note 1: DAILY DISCHARGE: The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement of the pollutant over the day. DAILY MAX: The highest allowable daily discharge. DAILY MIN: The lowest allowable daily discharge. MONTHLY AVG (daily avg): The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month. RANGE: The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown. 7 DAY ARITHMETIC MEAN (7 day average): The highest allowable average of daily discharges over a calendar week. 12 MRA (twelve month rolling avg): The average of the most recent twelve month's monthly averages. 30 DAY GEOMETRIC MEAN (30 d geo mean): The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of : the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month. 7 DAY GEOMETRIC MEAN (7 d geo mean): The highest allowable geometric mean of daily discharges over a calendar week.

Note 2: ACTION LEVELS: Routine Action Level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted. If the additional monitoring requirement is triggered as noted below, the permittee shall undertake a short-term, high-intensity monitoring program for the parameter(s). Samples identical to those required for routine monitoring purposes shall be taken on each of at least three consecutive operating and discharging days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the additional monitoring requirement was triggered. Results may be appended to the DMR or transmitted under separate cover to the same address. If levels higher than the Action Levels are confirmed, the permit may be reopened by the Department for consideration of revised Action Levels or effluent limits. The permittee is not authorized to discharge any of the listed parameters at levels which may cause or contribute to a violation of water quality standards. The additional monitoring requirement is triggered upon receipt by the permittee of any monitoring results in excess of the stated Action Level.

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL No.	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
001-010	Trench Dewatering	Wetland/Bridge Creek/Unamed Creek/Groundwater Hudson River		Upon completion of pipeline construction

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Once per event	Grab	1

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL		ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg	Daily Max.					
Flow	Monitor	Monitor		GPD	Weekly (per event)	Calculated	1
Total Suspended Solids	NA	50		mg/l	Weekly (per event)	Composite	1,2
Oil & Grease	NA	15		mg/l	Weekly (per event)	Grab	1
Benzene	NA	1		ug/l	Weekly (per event)	Grab	1
Toluene	NA	5		ug/l	Weekly (per event)	Grab	1
MTBE	NA	50		ug/l	Weekly (per event)	Grab	1
Xylenes, each	NA	5		ug/l	Weekly (per event)	Grab	1

Footnotes:

1. An event is defined as any effluent discharged, (directed to the Storm Sewer to surface water or directly to the ground) from the GAC System.

2. Composite sample consisting of three grab samples taken at ten minute intervals for the first 30 minutes of the event and at 60 minute intervals for the remainder of the event.

Additional Requirements:

1. Regional Office must be notified at least 48 hours prior to commencement of initial discharge:

   Regional Water Engineer, Region 2
   One Hunters Point Plaza
   Long Island City, New York 11101-5407

   Phone: (718) 482-4933

2. A daily log must be maintained for all active discharges.

Hydrostatic Testing Conditions:

All hydrostatic testing shall be completed in accordance with Hydrostatic Testing Best Management Practices Plan, prepared by Texas Eastern Transmission, LP and Algonquin Gas Transmission, LLC, dated July 2011.

Prior to the discharge of any hydrostatic test water the permittee shall submit an updated Best Management Practices Plan if any of the following details of the hydrostatic testing has been modified:

1) The source of water and quantity of water to be used for the testing.
2) The location(s) where the water for testing will enter the pipeline and how the water be transported to this (these) locations.
3) The point(s) where test water will be discharged from the pipeline and the distance to and the identity of the watercourse(s) where the water will drain to.
4) Provide a narrative description of the methods to be used for the hydrostatic testing. If a pig will be used to clear obstructions and debris from the new pipeline prior to the test, include the details for collection and disposal of the material collected by the cleaning operation. If a chlorinated source of water (e.g. from a public water supply source) will be used, the hydrostatic test procedures should include testing of chlorine levels at discharge.
5) Provide a description of the best management practices which will be employed to reduce erosion and to allow settling of suspended solids in order to ensure that the discharge will be able to meet surface water quality standards. DEC would recommend that following employment of the energy dissipation and sediment control measures that the discharge be allowed to move as overland flow for a distance of I00 feet or more before there is a potential for the discharge to enter a defined drainage or stream channel, or wetland area.
6) The Division of Water contact is the NYSDEC Regional Water Engineer. The information indicated above should be sent to the RWE. RWE should be contacted regarding the procedures for hydrostatic testing and monitoring of this existing line. Be prepared to provide RWE with information regarding the results of cleaning this line.
7) RWE should receive prior notification of the date of the commencement of the test and the location of the discharge of the hydrostatic water. The prior notification should occur at least 5 days prior to the commencement of the test.

NYSDEC has included the following standard permit condition on the Water Quality Certifications which have been issued for projects which include hydrostatic testing of pipelines and will be adding this to any Water Quality Certification. "The permittee shall perform hydrostatic test water withdrawal and discharge only from waterbodies approved by the FERC. DEC, and USACE. Test water discharge points will be the source waterbody for every test. When a stream is used as a water source, withdrawal shall not cause the flow of the stream to fall below the following seasonal thresholds: (1) from April 1 to September 30. Either the lowest median monthly flow (for a gauged location) or 0.5 cubic feet per second per square mile of drainage area (for an ungauged location); and (2) From October J to March 31, either the lowest median monthly flow (for a gauged location) or 1.0 cubic feet per second per square mile of drainage area (for an ungauged location). Procedures shall be instituted and construction equipment and techniques managed to avoid or reduce impingement or entrainment of fish. This shall include, but not be limited to, locating the intake well above the bottom of the stream, positioning the intake in such a manner to minimize fish presence (e.g. facing downstream), and incorporating appropriately sized screening or filtering element (l 00 mesh or finer). Intakes shall be located away from any known rare, threatened or endangered species habitats."

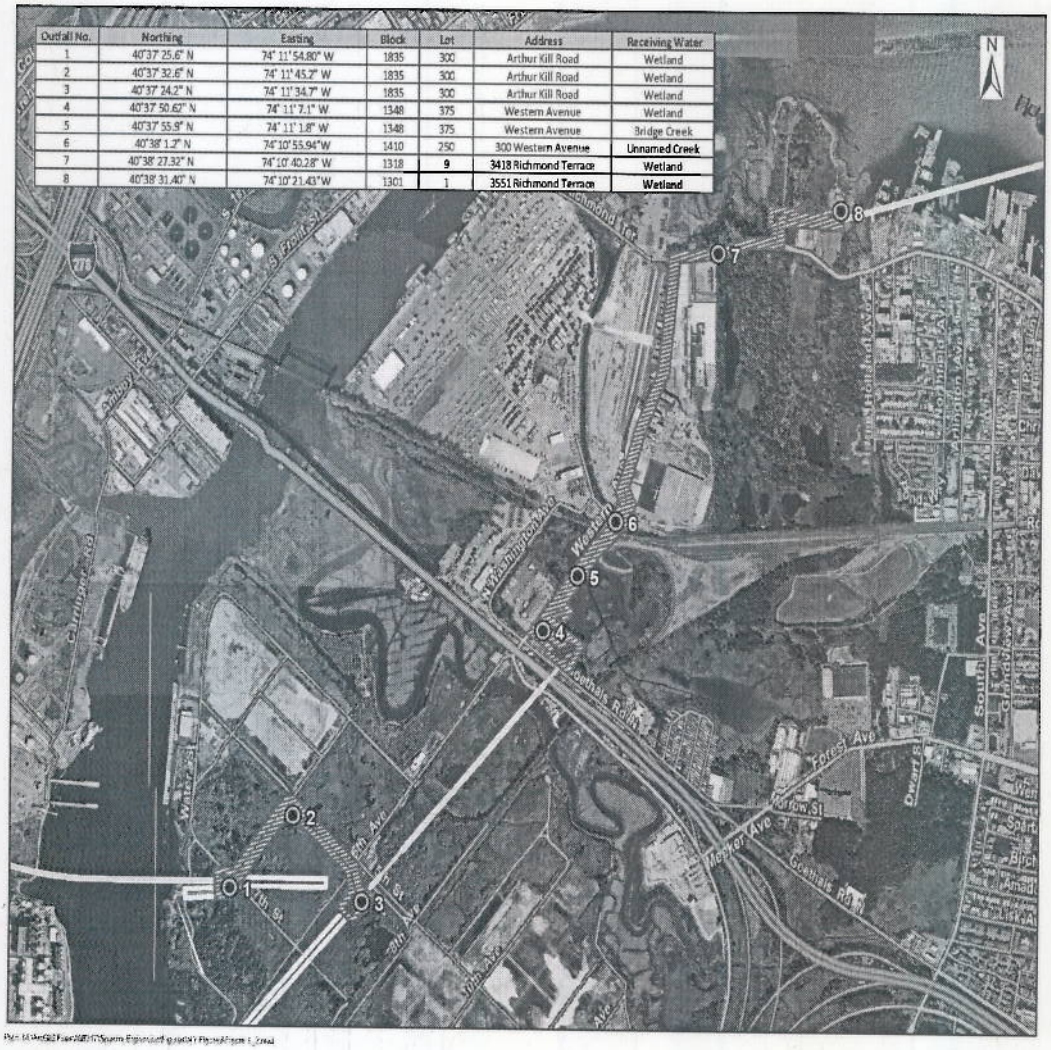
SPECIAL CONDITIONS:

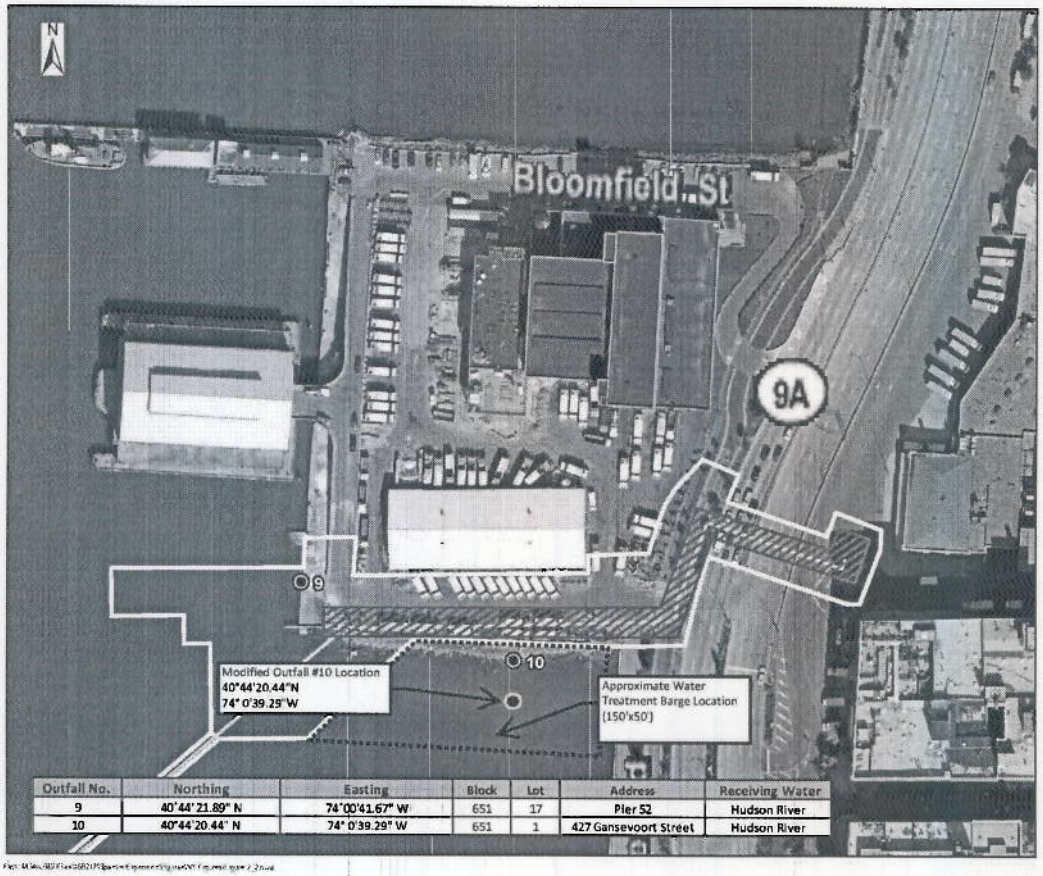
DISCHARGE NOTIFICATION REQUIREMENTS - *Sign Maintenance:* The permittee shall periodically inspect the outfall identification sign(s) in order to ensure they are maintained, are still visible, and contain information that is current and factually correct. Signs that are damaged or incorrect shall be replaced within 3 months of inspection. *Data Retention:* The permittee shall retain records for a minimum period of 5 years in accordance with 6NYCRR Part 750-1.12(b)(2) and Part 750-2.5(c)(1). These records, which include discharge monitoring reports (DMRs) and annual reports, must be retained at a repository accessible to the public. This repository shall be open to the public, at a minimum, during normal daytime business hours. The repository may be the business office, wastewater treatment plant, village, town, city, or county clerk's office, the local library, or other location approved by the Department.

MONITORING LOCATIONS

The permittee shall take samples and measurements, to comply with the monitoring requirements specified in this permit, at the location(s) specified below:

Outfall No.	Northing	Easting	Block	Lot	Address	Receiving Water
1	40°37' 25.6" N	74° 11' 54.80" W	1835	300	Arthur Kill Road	Wetland
2	40°37' 32.6" N	74° 11' 45.2" W	1835	300	Arthur Kill Road	Wetland
3	40°37' 24.2" N	74° 11' 34.7" W	1835	300	Arthur Kill Road	Wetland
4	40°37' 50.6" N	74° 11' 7.1" W	1348	375	Western Avenue	Wetland
5	40°37' 55.9" N	74° 11' 1.8" W	1348	375	Western Avenue	Bridge Creek
6	40°38' 1.2" N	74°10' 55.94"W	1410	250	300 Western Avenue	Unnamed Creek
7	40°38' 27.32" N	74°10' 40.28" W	1318	9	3418 Richmond Terrace	Wetland
8	40°38' 31.40" N	74°10' 21.43"W	1301	1	3551 Richmond Terrace	Wetland





Outfall No.	Northing	Easting	Block	Lot	Address	Receiving Water
9	40°44' 21.89" N	74°00'41.67" W	651	17	Pier 52	Hudson River
10	40°44'20.44" N	74° 0'39.29" W	651	1	427 Gansevoort Street	Hudson River

Legend

10 Outfall Location and Identification Number

Pipeline

Workspace

Trench Dewatering

0 100 Feet

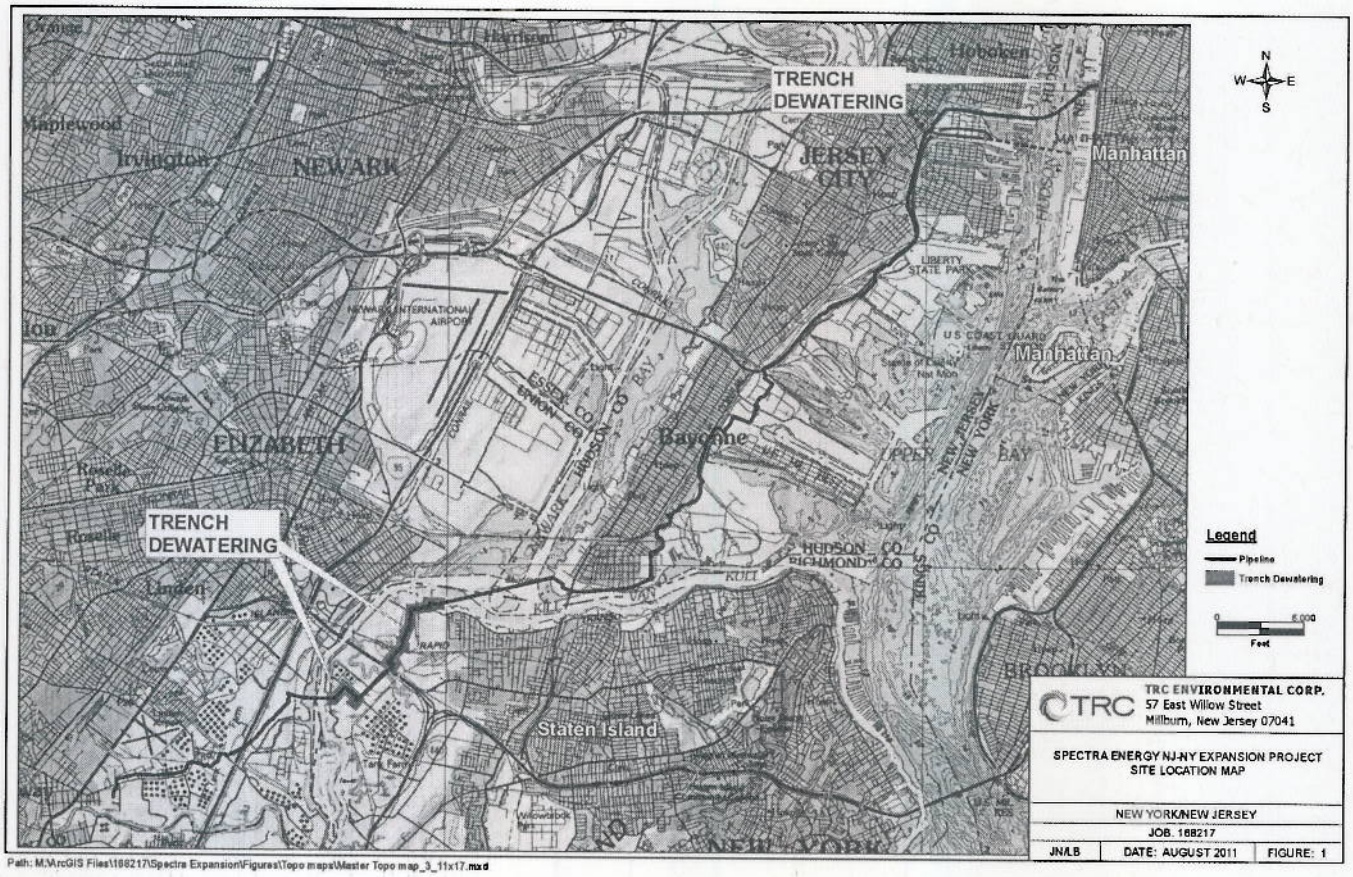
Spectra Energy

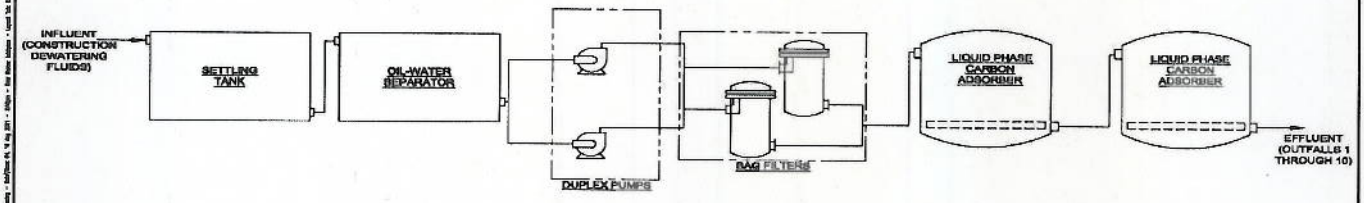
OUTFALL LOCATIONS
NEW YORK CITY, NY

FIGURE 3

Created by: TRC Date: August 2011

Revised 10/15/2012


TRENCH DEWATERING
TRENCH DEWATERING
NEWARK
JERSEY CITY
ELIZABETH
Bayonne
Staten Island
Manhattan
Manhattan
Hoboken
Irvington
Maplewood
Linden
Roselle
Roselle Park
N
W
E
S
Legend
Pipeline
Trench Dewatering
0
6,000
Feet
TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041
SPECTRA ENERGY NJ-NY EXPANSION PROJECT
SITE LOCATION MAP
NEW YORK/NEW JERSEY
JOB. 188217
JN/LB
DATE: AUGUST 2011
FIGURE: 1
Path: M:\ArcGIS Files\188217\Spectra Expansion\Figures\Topo maps\Master Topo map_3_11x17.mxd

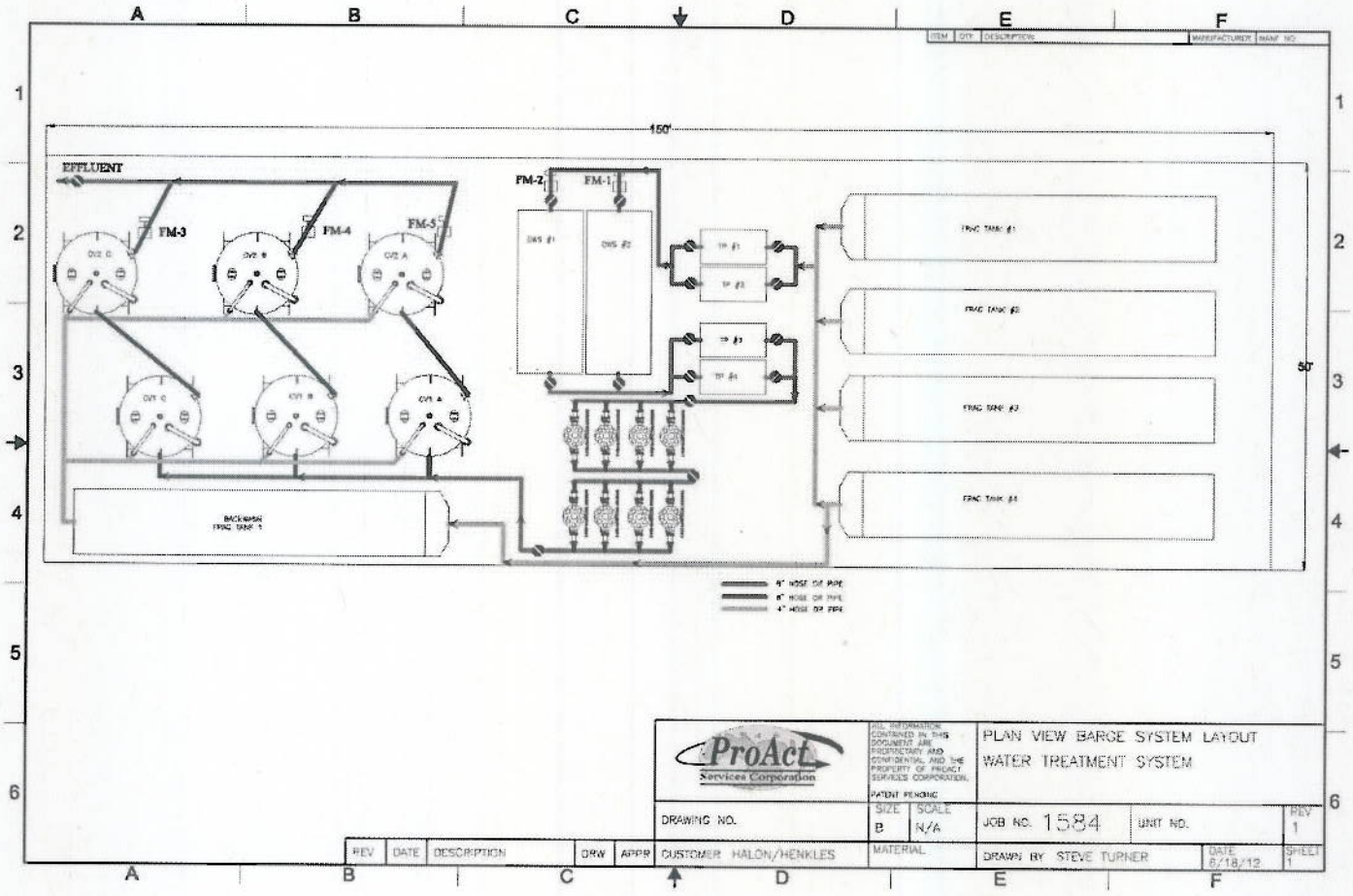


PORTABLE SKID MOUNTED TREATMENT SYSTEM
NOT TO SCALE

NOTE:

1. VALVES, INSTRUMENTATION, ETC. ARE NOT SHOWN FOR PURPOSES OF CLARITY.

NOT TO SCALE PAPER SIZE: 8½" x 11"	TRC 1430 BROADWAY, 10TH FLOOR NEW YORK, NEW YORK 10018 212-221-7822	DESIGNED BY: JM DRAWN BY: HD CHECKED BY: JM DATE: AUGUST 2011 SCALE: NOT TO SCALE PROJECT NUMBER: 163217.0000.0001	PROJECT NAME: SPECTRA NJ / NY EXPANSION PROJECT STATEN ISLAND / MANHATTAN, NEW YORK DRAWING TITLE: PROPOSED TEMPORARY WATER TREATMENT SYSTEM	FIGURE 4


EFFLUENT
FM-1
FM-2
FM-3
FM-4
FM-5
150'
50'
PLAN VIEW BARGE SYSTEM LAYOUT
WATER TREATMENT SYSTEM
ProAct
Services Corporation
DRAWING NO.
SIZE B
SCALE N/A
JOB NO. 1584
UNIT NO.
REV 1
CUSTOMER HALON/HENKLES
MATERIAL
DRAWN BY STEVE TURNER
DATE 8/18/12
SHEET 1

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

a) The permittee shall also comply with 6 NYCRR Part 750 concerning additional monitoring and reporting requirements and conditions, including noncompliance reporting.

b) In addition to a) above, all **POTWs** shall provide adequate notice to the Department and USEPA of the following: (1) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; and (2) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. (3) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

c) The monitoring information required by this permit shall be summarized, signed and retained for a period of at least five years from the date of the sampling for subsequent inspection by the Department or its designated agent. **Also, monitoring information required by this permit shall be summarized and reported by submitting;**

[x] (if box is checked) completed and signed Discharge Monitoring Report (DMR) forms for each 1 month reporting period to the locations specified below. Blank forms are available at the Department's Albany office listed below. The first reporting period begins on the effective date of this permit and the reports will be due no later than the 28th day of the month following the end of each reporting period.

[ ] (if box is checked) an annual report to the Regional Water Engineer at the address specified below. The annual report is due by February 1 each year and must summarize information for January to December of the previous year in a format acceptable to the Department.

[ ] (if box is checked) a monthly "Wastewater Facility Operation Report..." (form 92-15-7) to the:
[ ] Regional Water Engineer and/or [ ] County Health Department or Environmental Control Agency specified below

Send the **original** (top sheet) of each DMR page to:
Department of Environmental Conservation
Division of Water, Bureau of Water Compliance
625 Broadway, Albany, New York 12233-3506
Phone: (518) 402-8177

Send an **additional copy** of each DMR page to:

Send the **first copy** (second sheet) of each DMR page to:
Department of Environmental Conservation
Regional Water Engineer, Region 2
One Hunters Point Plaza
Long Island City, New York 11101-5407

Phone: (718) 482-4933

d) Monitoring and analysis shall be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

e) More frequent monitoring of the discharge(s), monitoring point(s), or waters of the State than required by the permit, where analysis is performed by a certified laboratory or where such analysis is not required to be performed by a certified laboratory, shall be included in the calculations and recording of the data on the corresponding DMRs.

f) Calculations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

g) Unless otherwise specified, all information recorded on the DMRs shall be based upon measurements and sampling carried out during the most recently completed reporting period.

h) Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section 502 of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be directed to the New York State Department of Health, Environmental Laboratory Accreditation Program.

New York State Department of Environmental Conservation
Division of Environmental Permits, 4th Floor
625 Broadway, Albany, New York 12233-1750
Phone: (518) 402-9167 • **FAX:** (518) 402-9168
Website: www.dec.ny.gov

Joe Martens
Commissioner

October 16, 2012

George McLachlan
Texas Eastern Transmission, LP
150 Warren Street, Suite 201
Jersey City, New Jersey 07302

RE: SPDES Modification; (2-9902-00098/00007); Staten Island, Richmond County

Dear Mr. McLachlan:

In conformance with the requirements of the State Uniform Procedures Act, Article 70 of the Environmental Conservation Law and its implementing regulations 6 NYCRR Part 621 (Uniform Procedures), enclosed is the modified State Pollutant Discharge Elimination System (SPDES) permit. The SPDES permit has been modified in accordance with the letter submitted on behalf of Texas Eastern Transmission, LP and Algonquin Gas Transmission, LLC, by Jennifer Miranda, TRC, dated October 4, 2012.

Based on the above modification request the Department has made the following changes to the SPDES permit;

Page 1 of 12. Added a modification date of October 16, 2012.

Page 2 of 12. Changed the design flow rate from 500 GPM to 2000 GPM and the location of Outfall 10.

Page 8 of 12. Modified the layout to include the location of the barge and the new outfall location for Outfall 10.

Page 11 of 12. Added a diagram of the barge mounted treatment system.

Please contact me if you have any questions regarding the modified SPDES permit.

Sincerely,

Christopher M. Hogan
Project Manager

cc: J. Cryan, RPA – R2
R. Paquette, TRC
R. Elburn, R2 DOW
P. Kolakowski, DOW
EPA Region II
CO BWP

New York State Department of Environmental Conservation
Division of Environmental Permits, 4th Floor
625 Broadway, Albany, New York 12233-1750
Phone: (518) 402-9167 • **FAX:** (518) 402-9168
Website: www.dec.state.ny.us

Joe Martens
Commissioner

January 25, 2013

George A. McLachlan
Environmental Project Manager
Spectra Energy Transmission
150 Warren Street, Suite 201
Jersey City, NJ 07302

RE: Modification; SPDES Permit; NJ-NY Expansion Project

Dear Mr. McLachlan:

In conformance with the requirements of the State Uniform Procedures Act, Article 70 of the Environmental Conservation Law and its implementing regulations 6 NYCRR Part 621 (Uniform Procedures), enclosed is the modification to allow the relocation of outfall 001. The SPDES has been modified in accordance with the letter submitted on behalf of Texas Eastern Transmission, LP and Algonquin Gas Transmission, LLC by Richard Pauquette, Jr., TRC dated January 24, 2013. The modified permit includes the new latitude and longitude of Outfall 001 and an updated location map.

Please read all terms and conditions of the permit. Feel free to contact our office if you have any questions or concerns regarding the terms of the permit or your obligations under the permit.

Sincerely,

Christopher M. Hogan
Project Manager

cc: RPA
R. Paquette/M. Tyrell, TRC
P. Kolakowski, DOW

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT

First3.99

Industrial Code:	9999	SPDES Number:	NY 0276634
Discharge Class (CL):	01	DEC Number:	2-9902-00098/00007
Toxic Class (TX):	T	Effective Date (EDP):	04/01/2012
Major Drainage Basin:	13	Expiration Date (ExDP):	03/30/2017
Sub Drainage Basin:	01	Modification Dates:(EDPM)	10/16/2012
Water Index Number:	H, GW, SI (See Table of Outfalls)		
Compact Area:	IEC		

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et.seq.)(hereinafter referred to as "the Act").

PERMITTEE NAME AND ADDRESS

Name: **Texas Eastern Transmission, LP** Attention: **George McLachlan**

Street: **150 Warren Street, Suite 201**

City: **Jersey City** State: **NJ** Zip Code: **07302**

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: **NJ-NY Expansion Project**

Location (C,T,V): **Staten Island** County: **Staten Island**

Facility Address: **Trench**

City: **Staten Island** State: **NY** Zip Code:

NYTM -E: NYTM - N:

From Outfall No.: **001** at Latitude: **40 ° 37 ' 26 "** & Longitude: **74 ° 11 ' 55 "**

into receiving waters known as: **Wetland Trib to Arthur Kill** Class: **SD**

and; (list other Outfalls, Receiving Waters & Water Classifications)

002 – Class GA/Wetlands, 003 – Class GA/Wetlands, 004 Class GA/Wetlands, 005 – Bridge Creek SD, 007 Class GA/Wetlands, 008 – Class GA/Wetlands: Manhattan; 009, Hudson River, Class I, 010, Hudson River, Class I

in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth in this permit; and 6 NYCRR Part 750-1.2(a) and 750-2.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name: **George McLachlan**

Street: **150 Warren Street, Suite 201**

City: **Jersey City** State: **NY** Zip Code: **07302**

Responsible Official or Agent: **George McLachlan** Phone: **201-427-7527**

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

CO BWP - Permit Coordinator
RWE
RPA
EPA Region II - Michelle Josilo

Permit Administrator: Christopher M. Hogan

Address: 625 Broadway, Albany, NY 12233

Signature: Christopher M. Hogan Date: 1/25/13

Table of Outfalls:

Outfall No.	Design Flow Rate (GPM)	Latitude	Longitude	Receiving Water	Water Class	Water Index Number
001	500 – 2.4MG	40°37' 24.98" N	74° 12' 1.782" W	Wetland	GA/SD	GW/Trib AR-42 (SI-W1A)
002	500 – 2.4MG	40°37' 32.6" N	74° 11' 45.2" W	Wetland	GA/SD	GW/Trib AR-42 (SI-W1A)
003	500 – 2.4MG	40°37' 24.2" N	74° 11' 34.7" W	Wetland	GA/SD	GW/Trib AR-42 (SI-W1A)
004	500 – 2.4MG	40°37' 50.62" N	74° 11' 7.1" W	Wetland/ Bridge Creek	GA/SD	GW/Trib AR-42 (SI-W11)
005	500 – 2.4MG	40°37' 55.9" N	74° 11' 1.8" W	Bridge Creek	SD	Trib AK (SI-W7-S1)
006	500 – 2.4MG	40°38' 1.2" N	74°10' 55.94" W	Unnamed Creek	SD	Trib A (SI-W8-S1)
007	500 – 5.4MG	40°38' 27.32" N	74°10' 40.28" W	Wetland	GA/SD	GW/Trib (SI-W9)
008	500 – 5.4MG	40°38' 31.40" N	74°10' 21.43" W	Wetland	GA/SD	GW/Trib (SI-W10)
009	2000 – 345.6MG	40°44' 21.89" N	74°00'41.67" W	Hudson River	I	H
010	2000 – 345.6MG	40°44' 20.44" N	74° 00'39.29" W	Hudson River	I	H

PERMIT LIMITS, LEVELS AND MONITORING DEFINITIONS

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OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
	This cell describes the type of wastewater authorized for discharge. Examples include process or sanitary wastewater, storm water, non-contact cooling water.	This cell lists classified waters of the state to which the listed outfall discharges.	The date this page starts in effect. (e.g. EDP or EDPM)	The date this page is no longer in effect. (e.g. ExDP)

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQ.	SAMPLE TYPE
e.g. pH, TRC, Temperature, D.O.	The minimum level that must be maintained at all instants in time.	The maximum level that may not be exceeded at any instant in time.	SU, °F, mg/l, etc.		

PARA-METER	EFFLUENT LIMIT	PRACTICAL QUANTITATION LIMIT (ML)	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE
	Limit types are defined below in Note 1. The effluent limit is developed based on the more stringent of technology-based standards, required under the Clean Water Act, or New York State water quality standards. The limit has been derived based on existing assumptions and rules. These assumptions include receiving water hardness, pH and temperature; rates of this and other discharges to the receiving stream; etc. If assumptions or rules change the limit may, after due process and modification of this permit, change.	For the purposes of compliance assessment, the analytical method specified in the permit shall be used to monitor the amount of the pollutant in the outfall to this level, provided that the laboratory analyst has complied with the specified quality assurance/quality control procedures in the relevant method. Monitoring results that are lower than this level must be reported, but shall not be used to determine compliance with the calculated limit. This ML can be neither lowered nor raised without a modification of this permit.	Action Levels are monitoring requirements, as defined below in Note 2, that trigger additional monitoring and permit review when exceeded.	This can include units of flow, pH, mass, Temperature, concentration. Examples include µg/l, lbs/d, etc.	Examples include Daily, 3/week, weekly, 2/month, monthly, quarterly, 2/yr and yearly.	Examples include grab, 24 hour composite and 3 grab samples collected over a 6 hour period.

Note 1: DAILY DISCHARGE: The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement of the pollutant over the day. DAILY MAX: The highest allowable daily discharge. DAILY MIN: The lowest allowable daily discharge. MONTHLY AVG (daily avg): The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month. RANGE: The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown. 7 DAY ARITHMETIC MEAN (7 day average): The highest allowable average of daily discharges over a calendar week. 12 MRA (twelve month rolling avg): The average of the most recent twelve month's monthly averages. 30 DAY GEOMETRIC MEAN (30 d geo mean): The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of : the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month. 7 DAY GEOMETRIC MEAN (7 d geo mean): The highest allowable geometric mean of daily discharges over a calendar week.

Note 2: ACTION LEVELS: Routine Action Level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted. If the additional monitoring requirement is triggered as noted below, the permittee shall undertake a short-term, high-intensity monitoring program for the parameter(s). Samples identical to those required for routine monitoring purposes shall be taken on each of at least three consecutive operating and discharging days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the additional monitoring requirement was triggered. Results may be appended to the DMR or transmitted under separate cover to the same address. If levels higher than the Action Levels are confirmed, the permit may be reopened by the Department for consideration of revised Action Levels or effluent limits. The permittee is not authorized to discharge any of the listed parameters at levels which may cause or contribute to a violation of water quality standards. The additional monitoring requirement is triggered upon receipt by the permittee of any monitoring results in excess of the stated Action Level.

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL No.	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
001-010	Trench Dewatering	Wetland/Bridge Creek/Unamed Creek/Groundwater Hudson River		Upon completion of pipeline construction

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Once per event	Grab	1

PARAMETER	EFFLUENT LIMIT or CALCULATED LEVEL		ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg	Daily Max.					
Flow	Monitor	Monitor		GPD	Weekly (per event)	Calculated	1
Total Suspended Solids	NA	50		mg/l	Weekly (per event)	Composite	1,2
Oil & Grease	NA	15		mg/l	Weekly (per event)	Grab	1
Benzene	NA	1		ug/l	Weekly (per event)	Grab	1
Toluene	NA	5		ug/l	Weekly (per event)	Grab	1
MTBE	NA	50		ug/l	Weekly (per event)	Grab	1
Xylenes, each	NA	5		ug/l	Weekly (per event)	Grab	1

Footnotes:

1. An event is defined as any effluent discharged, (directed to the Storm Sewer to surface water or directly to the ground) from the GAC System.

2. Composite sample consisting of three grab samples taken at ten minute intervals for the first 30 minutes of the event and at 60 minute intervals for the remainder of the event.

Additional Requirements:

1. Regional Office must be notified at least 48 hours prior to commencement of initial discharge:

   Regional Water Engineer, Region 2
   One Hunters Point Plaza
   Long Island City, New York 11101-5407

   Phone: (718) 482-4933

2. A daily log must be maintained for all active discharges.

Hydrostatic Testing Conditions:

All hydrostatic testing shall be completed in accordance with Hydrostatic Testing Best Management Practices Plan, prepared by Texas Eastern Transmission, LP and Algonquin Gas Transmission, LLC, dated July 2011.

Prior to the discharge of any hydrostatic test water the permittee shall submit an updated Best Management Practices Plan if any of the following details of the hydrostatic testing has been modified:

1) The source of water and quantity of water to be used for the testing.
2) The location(s) where the water for testing will enter the pipeline and how the water be transported to this (these) locations.
3) The point(s) where test water will be discharged from the pipeline and the distance to and the identity of the watercourse(s) where the water will drain to.
4) Provide a narrative description of the methods to be used for the hydrostatic testing. If a pig will be used to clear obstructions and debris from the new pipeline prior to the test, include the details for collection and disposal of the material collected by the cleaning operation. If a chlorinated source of water (e.g. from a public water supply source) will be used, the hydrostatic test procedures should include testing of chlorine levels at discharge.
5) Provide a description of the best management practices which will be employed to reduce erosion and to allow settling of suspended solids in order to ensure that the discharge will be able to meet surface water quality standards. DEC would recommend that following employment of the energy dissipation and sediment control measures that the discharge be allowed to move as overland flow for a distance of I00 feet or more before there is a potential for the discharge to enter a defined drainage or stream channel, or wetland area.
6) The Division of Water contact is the NYSDEC Regional Water Engineer. The information indicated above should be sent to the RWE. RWE should be contacted regarding the procedures for hydrostatic testing and monitoring of this existing line. Be prepared to provide RWE with information regarding the results of cleaning this line.
7) RWE should receive prior notification of the date of the commencement of the test and the location of the discharge of the hydrostatic water. The prior notification should occur at least 5 days prior to the commencement of the test.

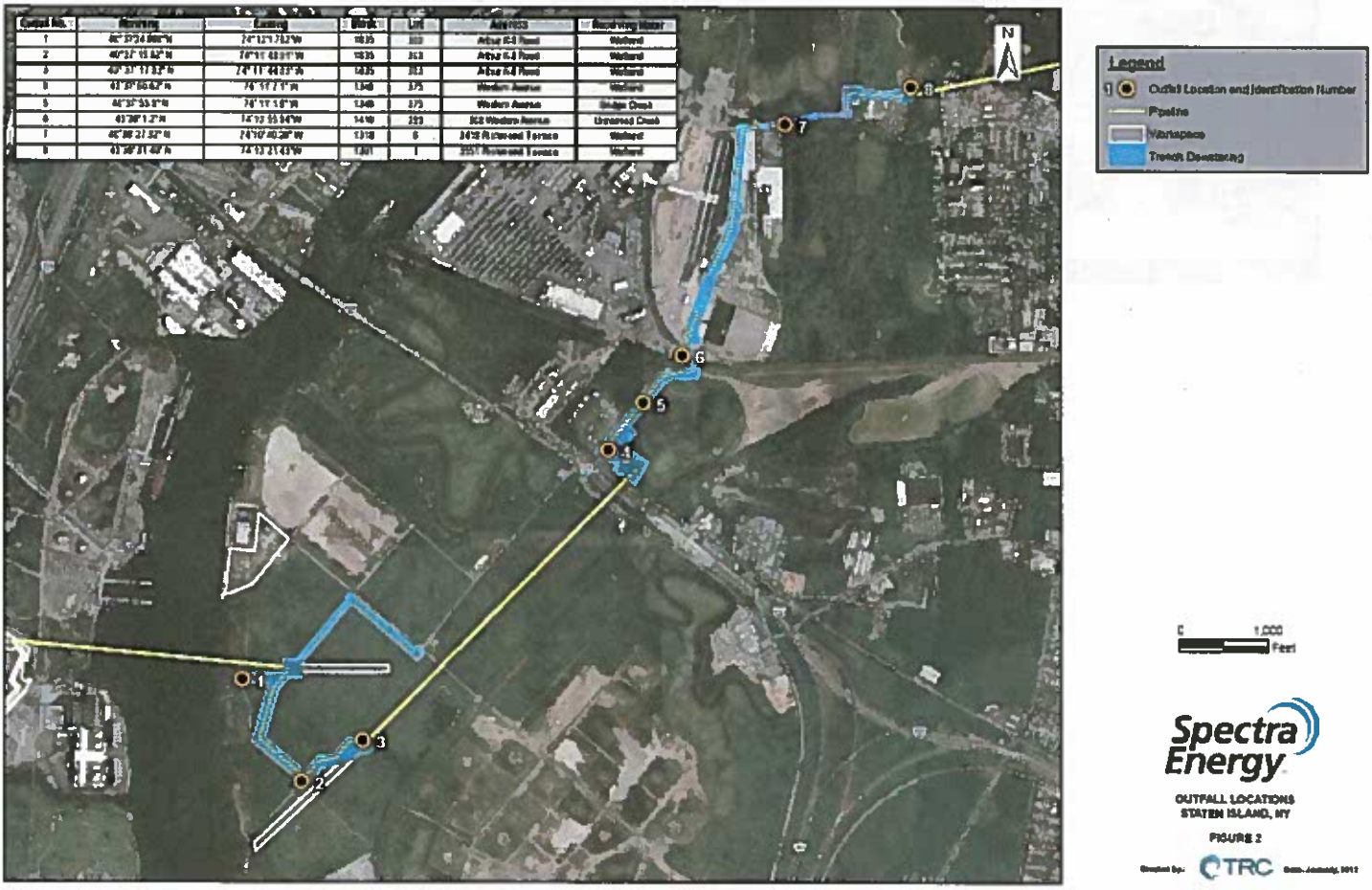
NYSDEC has included the following standard permit condition on the Water Quality Certifications which have been issued for projects which include hydrostatic testing of pipelines and will be adding this to any Water Quality Certification. "The permittee shall perform hydrostatic test water withdrawal and discharge only from waterbodies approved by the FERC. DEC, and USACE. Test water discharge points will be the source waterbody for every test. When a stream is used as a water source, withdrawal shall not cause the flow of the stream to fall below the following seasonal thresholds: (1) from April 1 to September 30. Either the lowest median monthly flow (for a gauged location) or 0.5 cubic feet per second per square mile of drainage area (for an ungauged location); and (2) From October J to March 31, either the lowest median monthly flow (for a gauged location) or 1.0 cubic feet per second per square mile of drainage area (for an ungauged location). Procedures shall be instituted and construction equipment and techniques managed to avoid or reduce impingement or entrainment of fish. This shall include, but not be limited to, locating the intake well above the bottom of the stream, positioning the intake in such a manner to minimize fish presence (e.g. facing downstream), and incorporating appropriately sized screening or filtering element (l 00 mesh or finer). Intakes shall be located away from any known rare, threatened or endangered species habitats."

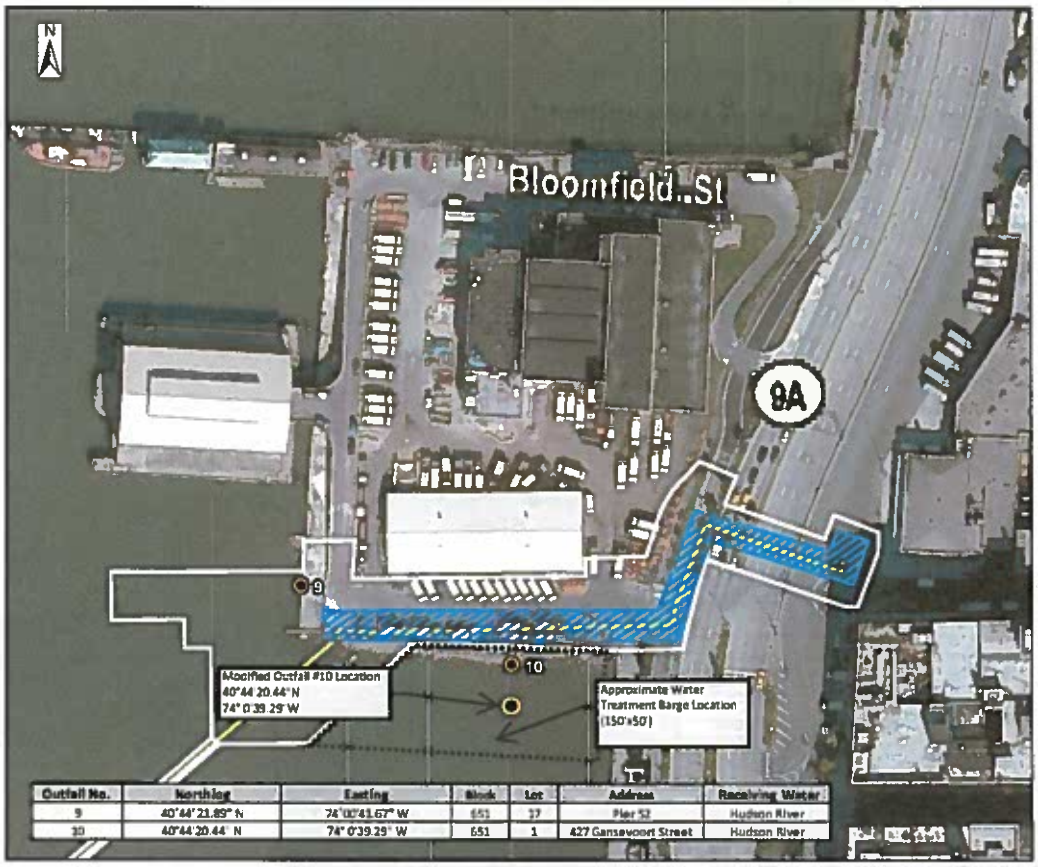
SPECIAL CONDITIONS:

DISCHARGE NOTIFICATION REQUIREMENTS - *Sign Maintenance:* The permittee shall periodically inspect the outfall identification sign(s) in order to ensure they are maintained, are still visible, and contain information that is current and factually correct. Signs that are damaged or incorrect shall be replaced within 3 months of inspection. *Data Retention:* The permittee shall retain records for a minimum period of 5 years in accordance with 6NYCRR Part 750-1.12(b)(2) and Part 750-2.5(c)(1). These records, which include discharge monitoring reports (DMRs) and annual reports, must be retained at a repository accessible to the public. This repository shall be open to the public, at a minimum, during normal daytime business hours. The repository may be the business office, wastewater treatment plant, village, town, city, or county clerk's office, the local library, or other location approved by the Department.

MONITORING LOCATIONS

The permittee shall take samples and measurements, to comply with the monitoring requirements specified in this permit, at the location(s) specified below:





Outfall No.	Northing	Easting	Block	Lot	Address	Receiving Water
9	40°44'21.89" N	74°0'41.67" W	651	17	Pier 52	Hudson River
10	40°44'20.44" N	74° 0'39.29" W	651	1	427 Gansevoort Street	Hudson River

Legend

10 Outfall Location and Identification Number

Pipeline

Workspace

Trench Dewatering

0 100 Feet

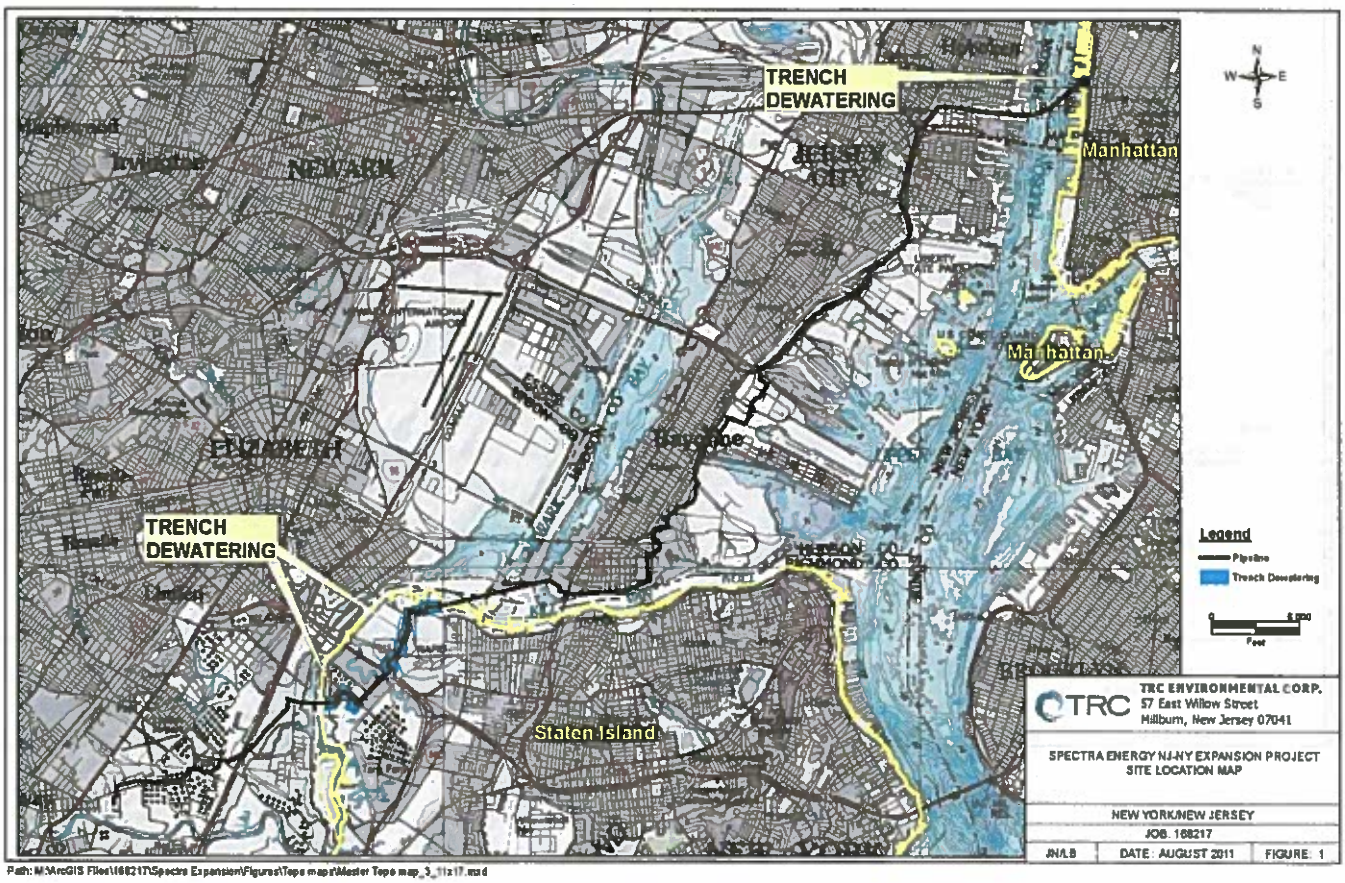
Spectra Energy

OUTFALL LOCATIONS
NEW YORK CITY, NY

FIGURE 3

Drawn by: TRC Date: August 2011

Revised 10/15/2012



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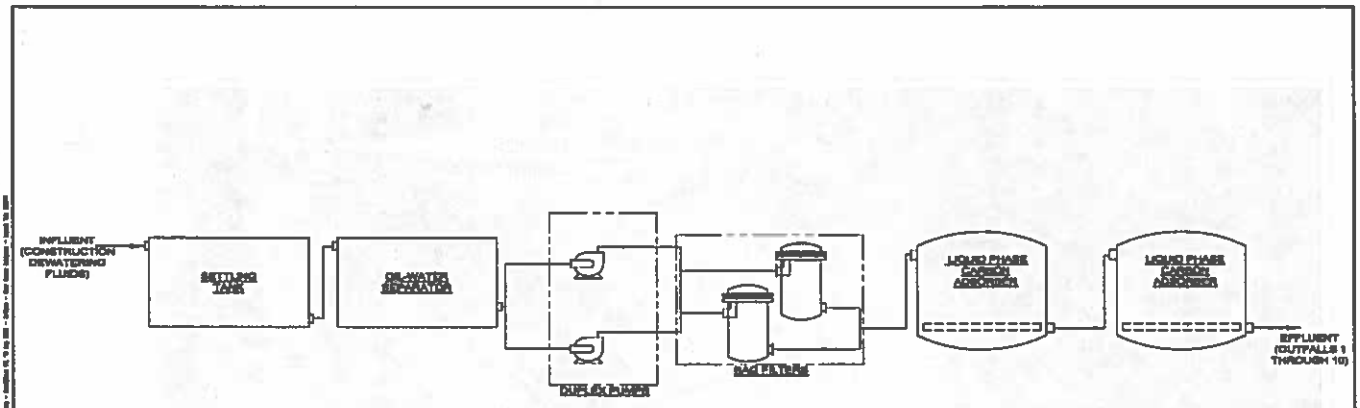
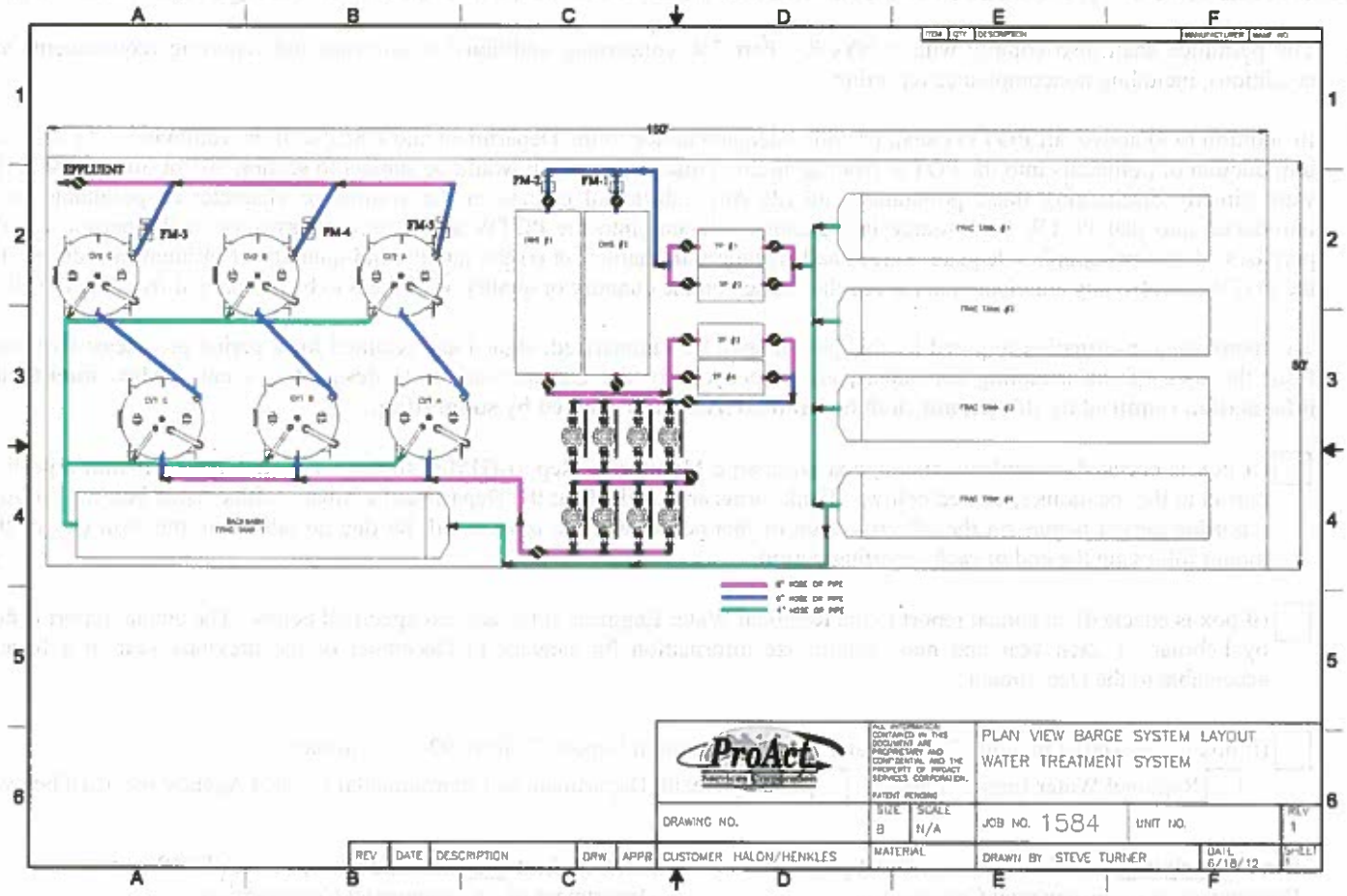


PORTABLE SKID MOUNTED TREATMENT SYSTEM
NOT TO SCALE

NOTE:

1. VALVES, INSTRUMENTATION, ETC. ARE NOT SHOWN FOR PURPOSES OF CLARITY.

NOT TO SCALE PAPER SIZE: 8½" x 11"	TRC 1430 BROADWAY, 10TH FLOOR NEW YORK, NEW YORK 10018 212-221-7999	DESIGNED BY: JM DRAWN BY: HD CHECKED BY: JM DATE: AUGUST 2011 SCALE: NOT TO SCALE PROJECT NUMBER: 189217.0000.0001	PROJECT NAME: SPECTRA NJ / NY EXPANSION PROJECT STATEN ISLAND / MANHATTAN, NEW YORK DRAWING TITLE: PROPOSED TEMPORARY WATER TREATMENT SYSTEM	FIGURE 4


EFFLUENT
FM-1
FM-2
FM-3
FM-4
FM-5
150'
80'
ProAct
PLAN VIEW BARGE SYSTEM LAYOUT
WATER TREATMENT SYSTEM
DRAWING NO.
SIZE B
SCALE N/A
JOB NO. 1584
UNIT NO.
REV 1
REV
DATE
DESCRIPTION
DRW
APPR
CUSTOMER HALON/HENKLES
MATERIAL
DRAWN BY STEVE TURNER
DATE 6/18/12

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

a) The permittee shall also comply with 6 NYCRR Part 750 concerning additional monitoring and reporting requirements and conditions, including noncompliance reporting.

b) In addition to a) above, all **POTWs** shall provide adequate notice to the Department and USEPA of the following: (1) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; and (2) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. (3) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

c) The monitoring information required by this permit shall be summarized, signed and retained for a period of at least five years from the date of the sampling for subsequent inspection by the Department or its designated agent. **Also, monitoring information required by this permit shall be summarized and reported by submitting;**

[x] (if box is checked) completed and signed Discharge Monitoring Report (DMR) forms for each 1 month reporting period to the locations specified below. Blank forms are available at the Department's Albany office listed below. The first reporting period begins on the effective date of this permit and the reports will be due no later than the 28th day of the month following the end of each reporting period.

[ ] (if box is checked) an annual report to the Regional Water Engineer at the address specified below. The annual report is due by February 1 each year and must summarize information for January to December of the previous year in a format acceptable to the Department.

[ ] (if box is checked) a monthly "Wastewater Facility Operation Report..." (form 92-15-7) to the:
[ ] Regional Water Engineer and/or [ ] County Health Department or Environmental Control Agency specified below

Send the **original** (top sheet) of each DMR page to:
Department of Environmental Conservation
Division of Water, Bureau of Water Compliance
625 Broadway, Albany, New York 12233-3506
Phone: (518) 402-8177

Send an **additional copy** of each DMR page to:

Send the **first copy** (second sheet) of each DMR page to:
Department of Environmental Conservation
Regional Water Engineer, Region 2
One Hunters Point Plaza
Long Island City, New York 11101-5407

Phone: (718) 482-4933

d) Monitoring and analysis shall be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

e) More frequent monitoring of the discharge(s), monitoring point(s), or waters of the State than required by the permit, where analysis is performed by a certified laboratory or where such analysis is not required to be performed by a certified laboratory, shall be included in the calculations and recording of the data on the corresponding DMRs.

f) Calculations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

g) Unless otherwise specified, all information recorded on the DMRs shall be based upon measurements and sampling carried out during the most recently completed reporting period.

h) Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section 502 of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be directed to the New York State Department of Health, Environmental Laboratory Accreditation Program.