

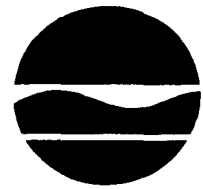
New York State Department of Environmental Conservation

Division of Environmental Permits, Region One

Building 40 - SUNY, Stony Brook, New York 11790-2356

Phone: (631) 444-0357 • FAX: (631) 444-0360

Website: www.dec.state.ny.us



Alexander Grannis
Commissioner

December 23, 2008

Plum Island Sewage Treatment Plant
P.O. Box 848
Greenport, NY 11944
Attn.: Charles Wenderoth, Facility Engineer

RE: NYSDEC Permit # 1-4738-00028/00001
SPDES Facility # NY0008117
FACILITY: Plum Island Sewage Treatment Plant

Dear Permittee:

Enclosed is your State Pollutant Discharge Elimination System (SPDES) permit.

Please read all permit conditions carefully. All permit documents must be available upon request by the Department staff and must be distributed to and understood by personnel responsible for the proper operation of the facility and compliance with the discharge limits. Any violations of these permit conditions constitutes a violation of the Environmental Conservation Law.

The Department maintains authority regarding the terms of this permit in accordance with 6 NYCRR 750. This regulation may be accessed from the internet at the Department's website, <http://www.dec.state.ny.us/website/regs/750.htm> for HTML format or http://www.dec.state.ny.us/website/dow/part_750.pdf for a two-sided format suitable for binding and copying. If you do not have website access, you may obtain a paper copy of the regulations at NYSDEC-Env. Permits, SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790-3409.

Pursuant to 621.9(2), if a permit is issued with objectionable conditions the applicant may request a hearing. This must be done within 30 days of the postmark on this letter. To request a hearing, contact the Regional Permit Administrator at the above address.

If you have any other questions regarding this permit, you may contact the Division of Environmental Permits at the above address. Please refer to the above referenced numbers when you are corresponding with this office or when you are applying to renew or modify this permit.

Any questions regarding the annual pollutant discharge elimination fee should be addressed directed to the Regulatory Fee Determination Unit at 1-800-225-2566.

Very truly yours,

A handwritten signature in black ink, appearing to read "Susan V. Ackerman".

Susan V. Ackerman
Permit Administrator

Enclosure
SVA/lis

cc: W. Spitz
J. Meyers, SCDHS
BWP Permit Coordinator
File



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT

First3.99

Industrial Code: **8999**
 Discharge Class (CL): **09**
 Toxic Class (TX): **T**
 Major Drainage Basin: **17**
 Sub Drainage Basin: **01**
 Water Index Number:
 Compact Area:

SPDES Number: **NY- 0008117**
 DEC Number: **1-4738-00028/00001**
 Effective Date (EDP): **11/01/04**
 Expiration Date (ExDP): **11/01/09**
 Modification Date (EDPM) **2/1/09**

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: **U. S. Department of Homeland Security, PIADC** Attention: **Charles Wenderoth**
 Street: **P. O. Box 848**
 City: **Greenport** State: **NY** Zip Code: **11944**

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: **Plum Island Sewage Treatment Plant**
 Location (C,T,V): **Plum Island, Southold** County: **Suffolk**
 Facility Address: **P. O. Box 848**
 City: **Greenport** State: **NY** Zip Code: **11944**
 NYTM -E: **41-10'-24"** NYTM - N: **72-12'-25"**
 From Outfall No.: **001 (STP)** at Latitude: **41 ° 10 ' 22 "** & Longitude: **72 ° 12 ' 16 "**

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

- Outfall 002; Non Contact Cooling (Sea) Water at Latitude 41" 10' 49", Longitude 72" 12' 16"**
- Outfall 003; Stormwater from Secondary Containment of Oil Tank Area at Latitude 41" 10' 46", Longitude 72" 12' 28"**
- Intake 001; Non Contact Cooling (Sea) Water at Latitude 41" 10' 21", Longitude 72" 12' 22"**

into receiving waters known as: **Long Island Sound** Class: **SA**
 in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit and 6 NYCRR Part 750.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name: **Plum Island Sewage Treatment Plant**
 Street: **P. O. Box 848**
 City: **Greenport** State: **NY** Zip Code: **11944**
 Responsible Official or Agent: **Charles Wenderoth, Facility Engineer** Phone: **631 323-3007, fax 3169**

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:

- NYSDEC; CO, DOW, BWP, Permit Coordinator
- R1 DOW RWM - William Spitz
- R1 RPA
- USEPA Region II - Michelle Josilo
- Suffolk County Dept. of Health

Permit Administrator: Susan Ackerman	
Address: Building 40, SUNY Stony Brook, NY 11790-2356	
Signature:	Date: 12 /23/08

PERMIT LIMITS, LEVELS AND MONITORING DEFINITIONS

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 (PQL)	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 limits, required under the Clean Water Act, 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 PQL can be neither lowered nor raised without a modification of this permit.	Type I or Type II 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: 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.

7 DAY ARITHMETIC MEAN (7 day average): The highest allowable average of daily discharges over a calendar week.

30 DAY GEOMETRIC 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: The highest allowable geometric mean of daily discharges over a calendar week.

RANGE: The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown.

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. **TYPE I :** The additional monitoring requirement is triggered upon receipt by the permittee of any monitoring results in excess of the stated Action Level. **TYPE II:** The additional monitoring requirement is triggered upon receipt by the permittee of any monitoring results that show the stated action level exceeded for four of six consecutive samples, or for two of six consecutive samples by 20 % or more, or for any one sample by 50 % or more.

PERMIT LIMITS, LEVELS AND MONITORING - SANITARY

OUTFALL No.	LIMITATIONS APPLY:	RECEIVING WATER	EFFECTIVE	EXPIRING
001 (STP)	<input checked="" type="checkbox"/> All Year <input type="checkbox"/> Seasonal from _____ to _____	Long Island Sound	EDPM	ExDP

PARAMETER	EFFLUENT LIMIT					MONITORING REQUIREMENTS				FN
	Type	Limit	Units	Limit	Units	Sample Frequency	Sample Type	Location		
								Inf.	Eff.	
Flow	Monthly average			0.080	MGD	Continuous	Recorder		X	3
BOD ₅	Monthly average	30	mg/l	20	lbs/d	1/week	Grab	X	X	1
BOD ₅	7 day average	45	mg/l	30	lbs/d	1/week	Grab		X	
Solids, Suspended	Monthly average	30	mg/l	20	lbs/d	1/week	Grab	X	X	1
Solids, Suspended	7 day average	45	mg/l	30	lbs/d	1/week	Grab		X	
Solids, Settleable	Daily Maximum	0.3	ml/l			1/day	Grab		X	
pH	Range	6.0-9.0	SU			1/day	Grab	X	X	
Temperature	Daily Maximum	90	Deg. F			Continuous	Recorder		X	
Effluent Disinfection required: <input checked="" type="checkbox"/> All Year <input type="checkbox"/> Seasonal from _____ to _____										
Coliform, Fecal	30 day geometric mean	200	No./100 ml			1/week	Grab		X	4,5,6
Coliform, Fecal	7 day geometric mean	400	No./100 ml			1/week	Grab		X	4,5,6
Coliform, Total	Monthly Median	700	No./100 ml			1/week	Grab		X	4,6
Chlorine, Total Residual	Daily Max.	0.6	mg/l			1/day	Grab		X	2,4

FOOTNOTES and ADDITIONAL CONDITIONS:

- (1) And effluent shall not exceed 15 % and 15 % of influent values for CBOD₅ & TSS respectively. Permit limitation for BOD percent removal is 75% when influent concentration for 5 Day BOD is 100 mg/l or lower.
- (2) Sampling of TRC is not required unless chlorination is used for disinfection purposes. When chemical dechlorination is used, effluent Dissolved Oxygen shall be greater than 0.5 mg/l and sampled daily.
- (3) No sewer extensions (outside the approved district) without prior DEC approval. Any proposed connections, not identified and qualified in an approved facility engineering report, will require necessary on-line capacity and separate DEC approval.
- (4) Grab samples shall be taken during periods which include normally high effluent flows.
- (5) In addition, each June and December Permittee shall analyze Fecal and Total coliform grab samples:
 - (a) Taken every two hours, from 7:00 AM through 4:00 PM on one day to assure adequacy and

consistency of disinfection.

- (b) Taken twice on each of seven consecutive days to compute a geometric mean, and
- (c) Report the above results in a addendum to the applicable Discharge Monitoring Report

(6)The most probable number (MPN) method, by the multiple fermentation tube technique, is the only approved fecal and total coliform testing procedure. No more than 10% of the samples shall exceed an MPN of 3300/100mL for the 3 tube per decimal dilution MPN test, nor an MPN of 2300/100mL for the 5 tube per decimal dilution MPN test.

Non Contact Cooling (Sea) Water

OUTFALL No.	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
002	Non Contact Cooling (Sea) Water Latitude 41° 10' 49", Longitude 72° 12' 16"	Long Island Sound	EDPM	ExDP

PARAMETER	COMPLIANCE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	3,000			gpm	Continuous	Pumping Rate	1

INTAKE No.	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
Intake 001	Non Contact Cooling (Sea) Water Latitude 41° 10' 21", Longitude 72° 12' 22"	Long Island Sound	EDPM	ExDP

PARAMETER	COMPLIANCE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	3,000			gpm	Continuous	Pumping Rate	2,3

FOOTNOTES and ADDITIONAL CONDITIONS:

- (1) Equipment and procedures to prevent mixing of process water with sea water are required when heat exchangers are in use. Use of preventive maintenance additives, including chlorine is prohibited in the sea water flow.
- (2) Intake screen mesh size of 0.25 inches shall be used with the existing four foot by eight foot intake structure.
- (3) Permanent logbook must be maintained recording intake screen service and fish entrapment.

Secondary Containment

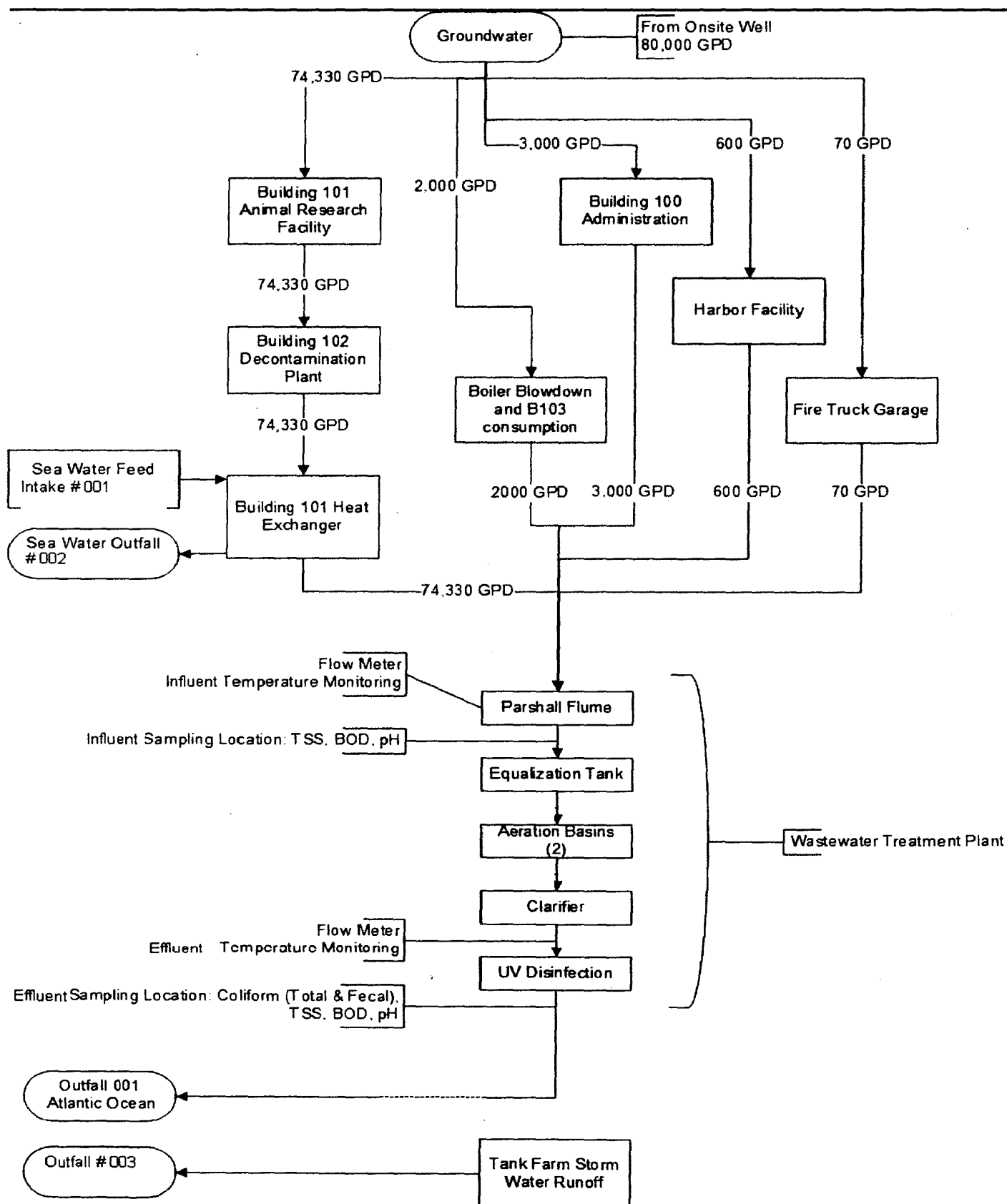
OUTFALL No.	WASTEWATER TYPE			RECEIVING WATER	EFFECTIVE	EXPIRING		
003	Stormwater from Secondary Containment of Power Plant Oil Tank and Fuel Transfer Spill Pad Area Latitude 41° 10' 46", Longitude 72° 12' 48"			Long Island Sound	EDPM	ExDP		
PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)		
pH	6.0	9.0	SU	Quarterly	Grab	1,2		
PARAMETER	COMPLIANCE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor				mgd	Continuous	Pumping Rate	1,2
Oil & Grease	Monitor	15			mg/l	Quarterly	Grab	1,2
Benzene	Monitor	50			ug/l	Quarterly	Grab	1,2
Toluene	Monitor	50			ug/l	Quarterly	Grab	1,2
Xylene	Monitor	50			ug/l	Quarterly	Grab	1,2

FOOTNOTES and ADDITIONAL CONDITIONS:

- (1) Sampling should also be conducted every time when visual sheen or floating globules are observed.
- (2) Discharge of accumulated storm water authorized only as follows:
 - Permanent logbook must be maintained recording date, time, weather, effluent appearance, location and volume of any discharge. The logbook must be signed by the person performing the discharge.
 - Discharge from the diked tank farm area can be initiated only after six or more hours have passed since the cessation of the storm event to enable facility personnel to determine the presence of visible oil or floating substances unless unusual and significant circumstances warrant otherwise.
 - Restricted to daylight with no visible sheen or oil present. If there is a visible sheen or floating globules of oil on the storm water within any of the secondary containment areas it must be reported to this Department's Spill Hotline at (800) 457-7362 immediately, and reasonable efforts must be made to remove the contamination.

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:



STORM WATER POLLUTANT PREVENTION PLAN FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

1. **General** - The Department has determined that stormwater discharges from Plum Island shall be covered under this SPDES permit. If the permittee has already submitted a Notice of Intent to the Department for coverage under the General Storm Water permit, the permittee shall submit a Notice of Termination to the Department upon receipt of this final SPDES permit containing the requirement to develop a SWPPP.

The permittee is required to develop, maintain, and implement a Storm Water Pollutant Prevention Plan (SWPPP) to prevent releases of significant amounts of pollutants to the waters of the State through plant site runoff; spillage and leaks; sludge or waste disposal; and other stormwater discharges including, but not limited to, drainage from raw material storage.

The SWPPP shall be documented in narrative form and shall include the 13 minimum elements below and any necessary plot plans, drawings, or maps. Other documents already prepared for the facility such as a Safety Manual or a Spill Prevention, Control and Countermeasure (SPCC) plan may be used as part of the SWPPP and may be incorporated by reference. A copy of the current SWPPP shall be submitted to the Department as required in item (2.) below and a copy must be maintained at the facility and shall be available to authorized Department representatives upon request.

2. **Compliance Deadlines** - The initial completed SWPPP shall be submitted within 6 months of EDPM to the Regional Water Engineer. The SWPPP shall be implemented within 6 months of submission, unless a different time frame is approved by the Department. The SWPPP shall be reviewed annually and shall be modified whenever: (a) changes at the facility materially increase the potential for releases of pollutants, (b) actual releases indicate the SWPPP is inadequate, or (c) a letter from the Department identifies inadequacies in the SWPPP. The permittee shall certify in writing, as an attachment to the December Discharge Monitoring Report (DMR), that the annual review has been completed. All SWPPP revisions (with the exception of minimum elements - see item (4.B.) below) must be submitted to the Regional Water Engineer within 30 days. Note that the permittee is not required to obtain Department approval of the SWPPP (or of any minimum elements) unless notified otherwise. Subsequent modifications to or renewal of this permit does not reset or revise these deadlines unless a new deadline is set explicitly by such permit modification or renewal.
3. **Facility Review** - The permittee shall review all facility components or systems (including but not limited to material storage areas; in-plant transfer, process, and material handling areas; loading and unloading operations; storm water, erosion, and sediment control measures; process emergency control systems; and sludge and waste disposal areas) where materials or pollutants are used, manufactured, stored or handled to evaluate the potential for the release of pollutants to the waters of the State. In performing such an evaluation, the permittee shall consider such factors as the probability of equipment failure or improper operation, cross-contamination of storm water by process materials, settlement of facility air emissions, the effects of natural phenomena such as freezing temperatures and precipitation, fires, and the facility's history of spills and leaks. The relative toxicity of the pollutant shall be considered in determining the significance of potential releases.

The review shall address all substances present at the facility that are identified in Tables 6-10 of SPDES application Form NY-2C (available at http://www.dec.ny.gov/docs/permits_ej_operations_pdf/form2C.pdf) as well as those that are required to be monitored by the SPDES permit.

4. **A. 13 Minimum elements** - Whenever the potential for a release of pollutants to State waters is determined to be present, the permittee shall identify Best Management Practices (BMPs) that have been established to prevent or minimize such potential releases. Where BMPs are inadequate or absent, appropriate BMPs shall be established. In selecting appropriate BMPs, the permittee shall consider good industry practices and, where appropriate, structural measures such as secondary containment and erosion/sediment control devices and practices. USEPA guidance for development of minimum elements of the SWPPP and BMPs is available in the September 1992 manual *Storm Water Management for Industrial Activities*, EPA 832-R-92-006 (available on-line at <http://nepis.epa.gov/pubtitleOW.htm>) At a minimum, the plan shall include the following elements:

- | | | |
|-------------------------------|---------------------------|---------------------------------|
| 1. Pollution Prevention Team | 6. Security | 10. Spill Prevention & Response |
| 2. Reporting of BMP Incidents | 7. Preventive Maintenance | 11. Erosion & Sediment Control |

3. Risk Identification & Assessment

8. Good Housekeeping

12. Management of Runoff

4. Employee Training

9. Materials/Waste Handling, Storage, & Compatibility

13. Street Sweeping

5. Inspections and Records

Note that for some facilities, especially those with few employees, some of the above may not be applicable. It is acceptable in these cases to indicate "Not Applicable" for the portion(s) of the SWPPP that do not apply to your facility, along with an explanation, for instance if street sweeping did not apply because no streets exist at the facility.

B. Stormwater Pollution Prevention Plans (SWPPPs) Required for Discharges of Stormwater From Construction Activity to Surface Waters - As part of the erosion and sediment control element, a SWPPP shall be developed prior to the initiation of any site disturbance of one acre or more of uncontaminated area. Uncontaminated area means soils or groundwater which are free of contamination by any toxic or non-conventional pollutants identified in Tables 6-10 of SPDES application Form NY-2C. Disturbance of any size contaminated area(s) and the resulting discharge of contaminated stormwater is not authorized by this permit unless the discharge is under State or Federal oversight as part of a remedial program or after review by the Regional Water Engineer; nor is such discharge authorized by any SPDES general permit for stormwater discharges. SWPPPs are not required for discharges of stormwater from construction activity to groundwaters.

The SWPPP shall conform to the *New York Standards and Specifications for Erosion and Sediment Control* and *New York State Stormwater Management Design Manual*, unless a variance has been obtained from the Regional Water Engineer, and to any local requirements. The permittee shall submit a copy of the SWPPP and any amendments thereto to the local governing body and any other authorized agency having jurisdiction or regulatory control over the construction activity at least 30 days prior to soil disturbance. The SWPPP shall also be submitted to the Regional Water Engineer if contamination, as defined above, is involved and the permittee must obtain a determination of any SPDES permit modifications and/or additional treatment which may be required prior to soil disturbance. Otherwise, the SWPPP shall be submitted to the Department only upon request. When a SWPPP is required, a properly completed *Notice of Intent (NOI)* form shall be submitted (available at www.dec.state.ny.us/website/dow/toolbox/swforms.html) prior to soil disturbance. Note that submission of a NOI is required for informational purposes; the permittee is not eligible for and will not obtain coverage under any SPDES general permit for stormwater discharges, nor are any additional permit fees incurred. SWPPPs must be developed and submitted for subsequent site disturbances in accordance with the above requirements. The permittee is responsible for ensuring that the provisions of each SWPPP is properly implemented.

5. **Facilities with Petroleum and/or Chemical Bulk Storage (PBS and CBS) Areas** - Compliance must be maintained with all applicable regulations including those involving releases, registration, handling and storage (6NYCRR 595-599 and 612-614). Stormwater discharges from handling and storage areas should be eliminated where practical.

A. Spill Cleanup - All spilled or leaked substances must be removed from secondary containment systems as quickly as practical and in all cases within 24 hours. The containment system must be thoroughly cleaned to remove any residual contamination which could cause contamination of stormwater and the resulting discharge of pollutants to waters of the State. Following spill cleanup the affected area must be completely flushed with clean water three times and the water removed after each flushing for proper disposal in an on-site or off-site wastewater treatment plant designed to treat such water and permitted to discharge such wastewater. Alternately, the permittee may test the first batch of stormwater following the spill cleanup to determine discharge acceptability. If the water contains no pollutants it may be discharged. Otherwise it must be disposed of as noted above. See *Discharge Monitoring* below for the list of parameters to be sampled for.

B. Discharge Operation - Stormwater must be removed before it compromises the required containment system capacity. Each discharge may only proceed with the prior approval of the permittee staff person responsible for ensuring SPDES permit compliance. Bulk storage secondary containment drainage systems must be locked in a closed position except when the operator is in the process of draining accumulated stormwater. Transfer area secondary containment drainage systems must be locked in a closed position during all transfers and must not be reopened unless the transfer area is clean of contaminants. Stormwater discharges from secondary containment systems should be avoided during periods of precipitation. A logbook shall be maintained on site noting the date, time and personnel supervising each discharge.

C. Discharge Screening - Prior to each discharge from a secondary containment system the stormwater must be screened for contamination*. All stormwater must be inspected for visible evidence of contamination. Additional screening methods shall be developed by the permittee as part of the overall SWPPP, e.g. the use of volatile gas meters to detect the presence of gross levels of gasoline or volatile organic compounds. If the screening indicates contamination, the permittee must collect and analyze a representative sample** of the stormwater. If the water contains no pollutants it may be discharged. Otherwise it must either be disposed of in an on site or off site wastewater treatment plant designed to treat and permitted to discharge such wastewater or the Regional Water Engineer can be contacted to determine if it may be discharged without treatment.

D. Discharge Monitoring - Unless the discharge from any bulk storage containment system outlet is identified in the SPDES permit as an outfall with explicit effluent and monitoring requirements, the permittee shall monitor the outlet as follows:

(i) *Bulk Storage Secondary Containment Systems:*

(a) The volume of each discharge from each outlet must be monitored. Discharge volume may be calculated by measuring the depth of water within the containment area times the wetted area converted to gallons or by other suitable methods. A representative sample shall be collected of the first discharge* following any cleaned up spill or leak. The sample must be analyzed for pH, the substance(s) stored within the containment area and any other pollutants the permittee knows or has reason to believe are present**.

(b) Every fourth discharge* from each outlet must be sampled for pH, the substance(s) stored within the containment area and any other pollutants the permittee knows or has reason to believe are present**.

(ii) *Transfer Area Secondary Containment Systems:*

The first discharge* following any spill or leak must be sampled for flow, pH, the substance(s) transferred in that area and any other pollutants the permittee knows or has reason to believe are present**.

E. Discharge Reporting - Any results of monitoring required above, excluding screening data, must be submitted to the Department by appending them to the corresponding DMR. Failure to perform the required discharge monitoring and reporting shall constitute a violation of the terms of the SPDES permit.

F. Prohibited Discharges - In all cases, any discharge which contains a visible sheen, foam, or odor, or may cause or contribute to a violation of water quality is prohibited. The following discharges are prohibited unless specifically authorized elsewhere in this SPDES permit: spills or leaks, tank bottoms, maintenance wastewaters, wash waters where detergents or other chemicals have been used, tank hydrotest and ballast waters, contained fire fighting runoff, fire training water contaminated by contact with pollutants or containing foam or fire retardant additives, and unnecessary discharges of water or wastewater into secondary containment systems.

* Discharge includes stormwater discharges and snow and ice removal. If applicable, a representative sample of snow and/or ice should be collected and allowed to melt prior to assessment.

** If the stored substance is gasoline or aviation fuel then sample for oil & grease, benzene, ethylbenzene, naphthalene, toluene and total xylenes (EPA method 602). If the stored substance is kerosene, diesel fuel, fuel oil, or lubricating oil then sample for oil & grease and polynuclear aromatic hydrocarbons (EPA method 610). If the substance(s) are listed in Tables 6-8 of SPDES application form NY-2C then sampling is required. If the substance(s) are listed in NY-2C Tables 9-10 sampling for appropriate indicator parameters may be required, e.g. BOD5 or toxicity testing. Contact the facility inspector for further guidance. In all cases flow and pH monitoring is required.

Effective Date of Modification: _____

O:\SPDES Individual Permits\Municipal\Plum Island ADC STP\PERMIT 05\0008117.PH.wpd

DISCHARGE NOTIFICATION REQUIREMENTS

- (a) Except as provided in (c) and (f) of these Discharge Notification Act requirements, the permittee shall install and maintain identification signs at all outfalls to surface waters listed in this permit. Such signs shall be installed within 90 days of the Effective Date of this Modification.
- b) Subsequent modifications to or renewal of this permit does not reset or revise the deadline set forth in (a) above, unless a new deadline is set explicitly by such permit modification or renewal.
- c) The Discharge Notification Requirements described herein do not apply to outfalls from which the discharge is composed exclusively of storm water, or discharges to ground water.
- (d) The sign(s) shall be conspicuous, legible and in as close proximity to the point of discharge as is reasonably possible while ensuring the maximum visibility from the surface water and shore. The signs shall be installed in such a manner to pose minimal hazard to navigation, bathing or other water related activities. If the public has access to the water from the land in the vicinity of the outfall, an identical sign shall be posted to be visible from the direction approaching the surface water.

The signs shall have **minimum** dimensions of eighteen inches by twenty four inches (18" x 24") and shall have white letters on a green background and contain the following information:

N.Y.S. PERMITTED DISCHARGE POINT

SPDES PERMIT No.: NY _____

OUTFALL No. : _____

For information about this permitted discharge contact:

Permittee Name: _____

Permittee Contact: _____

Permittee Phone: () - ### - #####

OR:

NYSDEC Division of Water Regional Office Address :

NYSDEC Division of Water Regional Phone: () - ### - #####

- (e) For each discharge required to have a sign in accordance with a), the permittee shall, concurrent with the installation of the sign, provide a repository of copies of the Discharge Monitoring Reports (DMRs), as required by the **RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS** page of this permit. This repository shall be open to the public, at a minimum, during normal daytime business hours. The repository may be at the business office repository of the permittee

or at an off-premises location of its choice (such location shall be the village, town, city or county clerk's office, the local library or other location as approved by the Department). In accordance with the **RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS** page of your permit, each DMR shall be maintained on record for a period of five years.

- (f) All requirements of the Discharge Notification Act, including public repository requirements, are waived for any outfall meeting any of the following circumstances, provided Department notification is made in accordance with (g):
- (i) such sign would be inconsistent with any other state or federal statute;
 - (ii) the Discharge Notification Requirements contained herein would require that such sign could only be located in an area that is damaged by ice or flooding due to a one-year storm or storms of less severity;
 - (iii) instances in which the outfall to the receiving water is located on private or government property which is restricted to the public through fencing, patrolling, or other control mechanisms. Property which is posted only, without additional control mechanisms, does not qualify for this provision;
 - (iv) instances where the outfall pipe or channel discharges to another outfall pipe or channel, before discharge to a receiving water; or
 - (v) instances in which the discharge from the outfall is located in the receiving water, two-hundred or more feet from the shoreline of the receiving water.
- (g) If the permittee believes that any outfall which discharges wastewater from the permitted facility meets any of the waiver criteria listed in (f) above, notification (form enclosed) must be made to the Department's Bureau of Water Permits, Central Office, of such fact, and, provided there is no objection by the Department, a sign and DMR repository for the involved outfall(s) are not required. This notification must include the facility's name, address, telephone number, contact, permit number, outfall number(s), and reason why such outfall(s) is waived from the requirements of discharge notification. The Department may evaluate the applicability of a waiver at any time, and take appropriate measures to assure that the ECL and associated regulations are complied with.
- (h) The permittee shall periodically inspect the outfall identification signs in order to ensure that they are maintained, are still visible and contain information that is current and factually correct.

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

- a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.
- b) The monitoring information required by this permit shall be summarized, signed and retained for a period of three 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:

(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 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:

<input type="checkbox"/> Regional Water Engineer and/or	<input type="checkbox"/> County Health Department or Environmental Control Agency specified below
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Send the original (top sheet) of each DMR page to:

Department of Environmental Conservation
 Division of Water
 Bureau of Water Compliance Programs
 625 Broadway
 Albany NY 12233-3506

Phone: (518) 402-8177

Send the first copy (second sheet) of each DMR page to:

Department of Environmental Conservation
 Regional Water Engineer
 SUNY at Stony Brook
 50 Circle Rd.
 Stony Brook NY 11790-3409

Phone: (631) 444-0420

Send an additional copy of each DMR page to:
 Suffolk County Dept. of Health Services, Wastewater
 360 Yaphank Ave.
 Yaphank NY 11980 Phone: (631) 852-5700

- c) Noncompliance with the provisions of this permit shall be reported to the Department as prescribed in this permit and 6 NYCRR Part 750.
- d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
- e) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.
- f) Calculation for all limitations 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 Discharge Monitoring Report 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 five hundred two 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 sent to the Environmental Laboratory Accreditation Program, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences, The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.

NOTICE OF WAIVER

**Pursuant To The Discharge Notification Act
Environmental Conservation Law 17-0815-a**

This form must be used if you wish to notify the New York State Department of Environmental Conservation (DEC) that you believe one or more outfalls listed on your SPDES permit can be waived from the requirements of the Discharge Notification Act (DNA).

INSTRUCTIONS:

1. Please note that the DNA applies only to discharges of *wastewater* to *surface* water, and **DOES NOT APPLY** to the following situations:
 - Discharges consisting of storm water only (not mixed with wastewater or otherwise contaminated).
 - Discharges to ground water

IF THE DISCHARGE IN QUESTION IS TO GROUND WATER, OR CONSISTS OF STORM WATER ONLY, AN OUTFALL SIGN AND DATA REPOSITORY ARE NOT REQUIRED, AND IT IS NOT NECESSARY TO SUBMIT A NOTICE OF WAIVER.

2. If your facility or commercial establishment holds more than one SPDES permit issued by the DEC, and waivers are claimed for outfalls under multiple permits, a separate Notice of Waiver form must be completed for the outfall(s) listed under EACH permit. All Notice of Waiver forms will be considered independent of each other.
3. More than one outfall may be listed on a Notice of Waiver form. However, separate Notice of Waiver forms must be used if any single criterion used as the basis for waiver does not apply to all outfalls.
4. If you believe that the outfall(s) discharging from your facility or commercial establishment meets any of the waiver criteria listed on page 2, indicate so with a check mark in the appropriate box(es).
5. Discharge description(s) and outfall number(s) can be obtained from the SPDES permit.
6. When complete, send the second page only of this Notice of Waiver to: New York State Department of Environmental Conservation, Bureau of Water Permits, 4th Floor, 625 Broadway, Albany, NY 12233-3505.
7. When a Notice of Waiver is received, a letter acknowledging receipt by the DEC will be sent to you. The Notice of Waiver will be evaluated by the DEC's Regional Water Engineer to ensure that the DEC concurs with the justification(s) indicated for the waiver. The Notice of Waiver remains effective *unless* you are notified otherwise by the DEC.

New York State Department of Environmental Conservation

Division of Environmental Permits

Programs and Systems, 4th Floor

625 Broadway, Albany, NY 12233-1750

Phone: (518) 402-9167 • Fax: (518) 402-9168

Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

JAN 22 2010

FACILITY INFORMATION

Charles Wenderoth
U S Department of Homeland Security - PIA
P.O. Box 848
Greenport, NY 11944

NAME: Plum Island Treatment Plant
LOCATION: Southold (T)
COUNTY: Suffolk
SPDES NO: NY 000 8117
DEC ID NO.: 1-4738-00028/00001

Dear SPDES Permittee:

Enclosed please find a validated NOTICE/RENEWAL APPLICATION/PERMIT form renewing your State Pollutant Discharge Elimination System (SPDES) permit for the referenced facility. This validated form, together with the previously issued permit (see issuance date of this permit in Part 3 of the NOTICE/RENEWAL APPLICATION/PERMIT form), and any subsequent permit modifications constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified therein.

The instructions and other information that you received with the NOTICE/RENEWAL APPLICATION/PERMIT package fully described procedures for renewal and modification of your SPDES permit under the Environmental Benefit Permit Strategy (EBPS). As a reminder, SPDES permits are renewed at a central location in Albany in order to make the process more efficient. All other concerns with your permit such as applications for permit modifications, permit transfers to a new owner, name changes, and other questions should be directed to the Regional Permit Administrator at the following address:

Walter Hilbert
Suffolk County Department of Health
360 Yaphank Avenue, Suite 2C
Yaphank, NY 11980
(631) 852-5700

If you have already filed an application for modification of your permit, it will be processed separately through our regional office. If you have questions concerning this permit renewal, please contact Lindy Sue Czubernat at (518) 402-9165.

Sincerely,

Chief Permit Administrator

Enclosure

cc: RPA
RWE
BWP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)
NOTICE / RENEWAL APPLICATION / PERMIT



Please read ALL instructions on the back before completing this application form. Please TYPE or PRINT clearly in ink.

PART 1 - NOTICE 08/10/2009

Permittee Contact Name, Title, Address

Facility and SPDES Permit Information

U.S. DEPARTMENT OF HOMELAND SECURITY - PIMA
~~TOM DWYER~~ Charles Wenderoth
PO BOX 848
GREENPORT NY 11944

Name: PLUM ISLAND SEWAGE TREATMENT PLAN
Ind. Code: 8999 County: SUFFOLK
DEC No.: 1-4738-00028/00001
SPDES No.: NY 000 8117
Expiration Date: 11/01/2009
Application Due By: 05/05/2009

Renewal Form was not received until 8/13/2009.

Are these name(s) & address(es) correct? if not, please write corrections above.

The State Pollutant Discharge Elimination System Permit for the facility referenced above expires on the date indicated. You are required by law to file a complete renewal application at least 180 days prior to expiration of your current permit. Note the "Application Due By" date above.

CAUTION: This short application form and attached questionnaire are the only forms acceptable for permit renewal. Sign Part 2 below and mail only this form and the completed questionnaire using the enclosed envelope. Effective April 1, 1994 the Department no longer assesses SPDES application fees.

If there are changes to your discharge, or to operations affecting the discharge, then in addition to this renewal application, you must also submit a separate permit modification application to the Regional Permit Administrator for the DEC region in which the facility is located, as required by your current permit. See the reverse side of this page for instructions on filing a modification request.

PART 2 - RENEWAL APPLICATION

CERTIFICATION: I hereby affirm that under penalty of perjury that the information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

CHARLES WENDEROTH Research Facility Operations Manager
Name of person signing application (see instructions on back) Title
Signature Date 8/14/2009

PART 3 - PERMIT (Below this line - Official Use Only)

Effective Date: 2/1/10 Expiration Date: 1/31/15

William R. Adriance
Permit Administrator

Address: NYSDEC - Division of Environmental Permits
Bureau of Environmental Analysis
625 Broadway, Albany, NY 12233-1750

Signature William R. Adriance Date JAN 22 2010

This permit together with the previous valid permit for this facility issued 11/1/04 and subsequent modifications constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified in the previously issued valid permit, modifications thereof or issued as part of this permit, including any special or general conditions attached hereto. Nothing in this permit shall be deemed to waive the Department's authority to initiate a modification of this permit on the grounds specified in 6NYCRR §621.14, 6NYCRR §754.4 or 6NYCRR §757.1 existing at the time this permit is issued or which arise thereafter.

Attachments: General Conditions dated

RECEIVED ENVIRONMENTAL PERMITS SECTION 09 AUG 17 11 11 AM '09



Please enter the numbers from your current permit:	DEC Number: L - 4738 - 00028 00025
	SPDES Number: NY 000 8117

SPDES RENEWAL APPLICATION QUESTIONNAIRE

THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR COMPLETED APPLICATION

Please **TYPE** or **PRINT** neatly using adequate pressure to make ALL copies legible. Keep a copy for your records.

1. Has the SPDES permit for your facility been modified in the past 5 years YES NO
2/1/2009
2. Dischargers who use, manufacture, store, handle or discharge toxic or hazardous pollutants are subject to Industrial Best Management Practices (BMP) plan requirements for toxic or hazardous substances. A BMP plan prevents or minimizes the potential for release of pollutants to receiving waters from such ancillary industrial activities, including material storage areas; plant site runoff; in-plant transfer; process and material storage areas; loading and unloading operations, and sludge and waste disposal areas.

Does your facility conduct ancillary activities as described above, which are not covered by BMP requirements in your current permit? YES NO

Please indicate which of the following best describes the situation at your facility:

- None of the concerns on the "Self Evaluation List" seem to apply to my facility at this time and I will not be applying for a modification of the SPDES permit in the foreseeable future.
- Yes, some of the items on the "Self Evaluation List" have led me to believe that the permit for this facility needs to be modified. I already have a complete modification application pending with the Department.
- Yes, some of the items on the "Self Evaluation List" have led me to believe that the SPDES permit for this facility may need to be Modified. I have requested the appropriate forms by phone OR I have completed and attached the "Request For SPDES Application Forms" (included in this renewal package) to allow me to submit a permittee-initiated Modification application. See The "Request For SPDES Application Forms" page for a toll free 800 number.
- The items on the "Self Evaluation List" have left me unable to conclude whether my permit needs to be modified at this time. I am reporting the following general concerns about my permit:

DISTRIBUTION: Regional Water Engineer
Regional Permit Administrator
Central Office (BWP)