



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

7/15/09

Industrial Code: **4911**
 Discharge Class (CL): **03**
 Toxic Class (TX): **01**
 Major Drainage Basin: **17**
 Sub Drainage Basin: **02**

SPDES Number: **NY- 0005916**
 DEC Number: **1-2822-00481/00011**
 Effective Date (EDP):
 Expiration Date (ExDP):
 Modification Dates (EDPM):

DRAFT

Water Index Number: **HH**
 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: **National Grid Generation, LLC**
 Street: **175 East Old Country Road**
 City: **Hicksville**

Attention: **Robert D. Teetz**
 State: **NY** Zip Code: **11801**

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: **Glenwood Power Station**
 Location (C,T,V): **North Hempstead (T)**
 Facility Address: **Shore Road**
 City: **Glenwood Landing**

County: **Nassau**
 State: **NY** Zip Code: **11547**

NYTM -E: From Outfall No.: **001** at Latitude: **40 ° 49 ' 34 "** & Longitude: **73 ° 38 ' 52 "**
 into receiving waters known as: **Hempstead Harbor** Class: **SB**

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

01A, 004, 005, 006, 06A, 007, 008, 009, 010, 011, 012, 12A, 014, 016, 017, 022 & 22A 023

Hempstead Harbor Class SB
Hempstead Harbor Class SB
Groundwater Class GA

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: **National Grid**
 Street: **175 East Old Country Road**
 City: **Hicksville**
 Responsible Official or Agent: **Timothy Curt**

State: **NY** Zip Code: **11801**
 Phone: **516-545-2559**

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:

Bureau of Water Permits
 RWM, Reg. 1
 RPA, Reg 1
 EPA Region II - Jeffery Gratz
 EPA Region II - J. Chan-Chen
 T. Leung, NYSDEC, Region 1

Permit Administrator: William R. Adriance	
Address: 625 Broadway Albany NY 12233-1750	
Signature:	Date: 7/6/2007

ADDITIONAL OUTFALL LOCATION INFORMATION

OUTFALL	DESCRIPTION	LATITUDE	LONGITUDE
01A *	Stormwater from Fuel Tanks Secondary Containment	40° 49' 36"	73° 38' 53"
004	Condenser Dewatering Unit 5	40° 49' 36"	73° 38' 53"
005	Stormwater from Roof and Yard Drains	40° 49' 36"	73° 38' 53"
006	Unit 5 Boiler Blowdown & Cooling Water Outfall	40° 49' 36"	73° 38' 53"
06A**	Unit 5 Blowdown Discharge at Boiler	40° 49' 37"	73° 38' 51"
007	Stormwater from Yard Drains	40° 49' 37"	73° 38' 53"
008	Stormwater from Roof and Yard Drains & Unit 5 Condensate Drain Tank	40° 49' 38"	73° 38' 53"
009	Screen Wash Discharge - Unit 4	40° 49' 38"	73° 38' 53"
010	Screen Wash Discharge - Unit 5	40° 49' 38"	73° 38' 53"
011	Stormwater from Roof and Yard Drains & Condensate Drains	40° 49' 38"	73° 38' 53"
012	Unit 4 Boiler Blowdown & Cooling Water Outfall	40° 49' 39"	73° 38' 53"
12A***	Unit 4 Blowdown Discharge at Boiler	40° 49' 38"	73° 38' 51"
014	Stormwater from Roof and Yard Drains	40° 49' 39"	73° 38' 53"
016	Stormwater from Roof and Yard Drains	40° 49' 39"	73° 38' 53"
017	Wastewater Treatment System	40° 49' 39"	73° 38' 53"
022	Stormwater from Roof and Yard Drains & Unit 4 Condenser Dewatering from 22A	40° 49' 39"	73° 38' 53"
22A ****	Condenser Dewatering Unit 5	40° 49' 39"	73° 38' 53"
023	Stormwater from Fuel Truck Unloading Station	40° 49' 35"	73° 38' 50"

Notes: * Outfall 01A discharges through Outfall 001.
 ** Outfall 06A discharges through Outfall 006.
 *** Outfall 12A discharges through Outfall 012.
 **** Outfall 22A discharges through Outfall 022.

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 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 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.

DAILY AVG or 30 DAY ARITHMETIC MEAN (30 day average): 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

OUTFALL No.	WASTEWATER TYPE				RECEIVING WATER	EFFECTIVE	EXPIRING	
001	Non Contact Cooling Water - Main Circulating Water				Hempstead Harbor	EDPM	ExDP	
PARAMETER	COMPLIANCE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	Monitor			MGD	Continuous	Calculated	
Discharge Temperature	NA	112			°F	Continuous	Recorder	1
Intake-Discharge Temperature Difference	NA	30			°F	Continuous	Recorder	1
Net Addition of Heat	NA	1.78 x 10E9			BTU/Hr	Daily	Calculated	
Total Residual Chlorine	NA	0.1			mg/l	Hourly	Grab	2

Footnote 1 The permittee may exceed this limit by not more than 10 °F for not more than 1% of the operating time per year.
 2 The period of chlorination shall be limited to two hours per day per unit. The individual units shall be treated separately. Hourly grab samples shall be taken during the period of treatment and discharge.

OUTFALL Nos.	WASTEWATER TYPE				RECEIVING WATER	EFFECTIVE	EXPIRING	
01A	Stormwater from Fuel Tanks Secondary Containment				Hempstead Harbor	EDPM	ExDP	
PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	NA	Monitor			GPD	Monthly	Calculated	
Oil & Grease	NA	15			mg/l	Monthly	Grab	
Benzene	NA	50			µg/l	Quarterly	Grab	
Toluene	NA	50			µg/l	Quarterly	Grab	
Total Xylenes	NA	50			µg/l	Quarterly	Grab	
Ethyl Benzene	NA	50			µg/l	Quarterly	Grab	

Note: Outfall 01A discharges through Outfall 001.

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL Nos.		WASTEWATER TYPE			RECEIVING WATER	EFFECTIVE	EXPIRING	
005, 011, 014, 016 & 022		Building Roof and Yard Drains			Hempstead Harbor	EDPM	ExDP	
PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)		
pH	6.0	9.0	SU	Monthly	Grab			
PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	NA	Monitor			GPD	Monthly	Calculated	
Oil & Grease	NA	15			mg/l	Monthly	Grab	
Suspended Solids, Total	NA	50			mg/l	Monthly	Grab	

Note: Outfall 011 includes the condensate tank drain from Unit 5.
 Outfall 022 may include condenser dewatering from Unit 4 from Outfall 22A.

OUTFALL Nos.		WASTEWATER TYPE			RECEIVING WATER	EFFECTIVE	EXPIRING	
006 & 012		Units 5 & 4 Boiler Blowdown & Cooling Water Outfalls			Hempstead Harbor	EDPM	ExDP	
PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)		
pH	6.0	9.0	SU	Monthly	Grab			
PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	NA	Monitor			GPD	Monthly	Calculated	
Discharge Temperature	NA	112			°F	Monthly	Instantaneous	

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL Nos.	WASTEWATER TYPE				RECEIVING WATER	EFFECTIVE	EXPIRING	
06A & 12A	Units 5 & 4 Blowdown Discharges at Boiler				Hempstead Harbor	EDPM	ExDP	
PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	NA	Monitor			GPD	Monthly	Calculated	
Oil & Grease	NA	15			mg/l	Monthly	Grab	
Suspended Solids	NA	50			mg/l	Monthly	Grab	
Ammonia	NA	Monitor			mg/l	Monthly	Grab	

Note: Outfall 06A (including boiler blowdown from the House Boiler) discharges through Outfall 006.
 Outfall 12A discharges through Outfall 012.

OUTFALL No.	WASTEWATER TYPE				RECEIVING WATER	EFFECTIVE	EXPIRING	
017	Wastewater Treatment Facility				Hempstead Harbor	EDPM	ExDP	
PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)		
pH	6.0	9.0	SU	Continuous	Recorded			
PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	Monitor			GPD	Daily	Instantaneous	
Oil & Grease	NA	15			mg/l	Weekly	Grab	
Suspended Solids, Total	30	50			mg/l	Weekly	Grab	

PERMIT LIMITS, LEVELS AND MONITORING

DRAFT

OUTFALL Nos.	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
023	Stormwater from Fuel Truck Unloading Station	Groundwater	EDPM	ExDP

PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	NA	Monitor			GPD	Monthly	Calculated	
Oil & Grease	NA	15			mg/l	Monthly	Grab	
Benzene	NA	0.8			µg/l	Quarterly	Grab	
Toluene	NA	5			µg/l	Quarterly	Grab	
ortho-Xylene	NA	5			µg/l	Quarterly	Grab	
Sum of meta- and para-Xylene	NA	10			µg/l	Quarterly	Grab	
Ethyl Benzene	NA	5			µg/l	Quarterly	Grab	

OUTFALL Nos.	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
004 & 22A	Condenser Dewatering Units 4 & 5	Hempstead Harbor	EDPM	ExDP
007 & 008	Stormwater from Yard Drains	Hempstead Harbor	EDPM	ExDP
009 & 010	Screen Wash Return Water	Hempstead Harbor	EDPM	ExDP
NO MONITORING REQUIRED				

Note: Outfall 008 includes the condensate tank drain from Unit 4.

PERMIT LIMITS, LEVELS AND MONITORING

DRAFT

OUTFALL Nos.	WASTEWATER TYPE		RECEIVING WATER	EFFECTIVE	EXPIRING			
NA	Tank Test Water (See footnote 6)		Long Island Sound	EDPM	ExDP			
PARAMETER	ENFORCEABLE LIMIT		MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Monthly Avg.	Daily Max.	TYPE I	TYPE II				
Flow	NA	Monitor			GPD	Each Discharge	Instantaneous	3
Oil & Grease	NA	15			mg/l	Each Discharge	Grab	3
Chlorine, Total Residual	NA	0.1			mg/l	Each Discharge	Grab	3, 4
Benzene	NA	20			µg/l	Each Discharge	Grab	3
Toluene	NA	20			µg/l	Each Discharge	Grab	3
Xylenes	NA	20			µg/l	Each Discharge	Grab	3
Ethylbenzene	NA	20			µg/l	Each Discharge	Grab	3

Footnote 3

Tank Test Water Discharge Requirements

1. Tanks being hydrostatically tested must be free of product and cleaned. The Regional Water Manager must be informed at least two business days prior to the discharge of tank test water.

2. Any discharge of tank test water must be done under the direct supervision of plant personnel. Samples from the tank must be taken prior to discharge from various levels within the tank (top, middle, bottom). If sampling shows conformance with effluent limitations, discharge may be initiated. If effluent limitations are not attained, additional measures must be implemented to attain compliance prior to initiation of discharge.

A visual check of the discharge must be made for the presence of oil and floating substances. Data associated with tank test water shall be kept, along with log of visual observations, for a period of five years and be made available to Department personnel upon request.

The discharge of tank test water must be done in a manner that minimizes erosion of soil or sediment and does not cause flooding in the area of discharge. It must be done in a manner that minimizes the impact on the fisheries.

4 Required when a chlorinated supply such as that from a municipal system is used for tank testing purposes.

A. ADDITIONAL REQUIREMENTS

1. There shall be no discharge to groundwater of wastewater resulting from station operation, except for the permitted discharge of uncontaminated stormwater from the truck unloading pad (Outfall 023).
2. There shall be no discharge to groundwaters or surface waters of oil tank bottom water or PCBs, air preheater washwater or demineralizer regeneration wastes or sanitary wastewater from this facility.
3. All water treatment chemicals (e.g., corrosion inhibitors, antifouling additives, slimicides and biocides) identified in the June 17, 2005 submittal are approved for use. Approval is granted only for uses which do not contravene New York State Water Quality Standards. The permittee must comply with Generic Water Treatment Chemical (WTC) Usage Requirements including annual reporting and other requirements identified on page 3 of the WTC Usage Notification form available at the NYSDEC website: <http://www.dec.ny.gov/permits/6222.html>. If the use of any new water treatment chemicals is intended, prior notification and approval must occur prior to use.
4. The permittee shall submit annual reports to the Department's offices in Albany and Stony Brook (Region 1) by the 28th of the month following the end of the reporting period. This report must include:
 - a. A log of the daily minimum, average and maximum station electrical output;
 - b. A log of the daily minimum, average and maximum cooling water usage (either directly or indirectly, measured or calculated);
 - c. A log of the daily minimum, average and maximum intake and discharge temperatures;
 - d. Values reported in a, b and c shall be based upon measurements taken on an hourly basis.
5.
 - a. Notwithstanding any other requirement in this permit, the permittee shall also comply with all of the Water Quality Regulations promulgated by the Interstate Environmental Commission (IEC), including Section 1.01 and 2.05(f) as they relate to Oil & Grease.
 - b. All waters of the Interstate Environmental District shall be of such quality and condition that they will be free from Oil & Grease, to the extent that Oil & Grease shall be noticeable on the water or deposited along the shore or on aquatic substrata, in quantities detrimental to the natural biota; nor shall Oil & Grease be present in quantities that would render the waters in question unsuitable for use in accordance with their respective classifications. All wastes shall be of a character that will not violate, or cause violation of, the requirements contained in this paragraph.
 - c. In addition to the requirements for Total Suspended Solids (TSS) contained elsewhere in this permit, the requirements for TSS for the IEC shall be met.
6. Information regarding residuals management, as identified in 6 NYCRR Part 750-2.8(e)(3) & (4), shall be maintained onsite and made available during facility inspections.
7. In all instances chlorine use shall be:
 - a. kept to the minimum amount which will maintain plant operating efficiency;
 - b. limited to two hours per day for each unit; and
 - c. eliminated when intake water temperature is below 40 °F unless failure to apply chlorine below 40 °F is shown to adversely affect plant operating efficiency.
8. The thermal discharge from the facility shall assure the protection and propagation of a balanced indigenous population of

shellfish, fish and wildlife in and on Hempstead Harbor and Long Island Sound in accordance with 6 NYCRR Part 704.1(a). The permittee's thermal discharge may not exceed Part 704.2(b)(4)(1) which states that the discharge shall not cause the receiving water temperature to be raised more than 4⁰F from October to June and not more than 1.5⁰F from July through September over that which existed before the addition of heat of artificial origin except within a mixing zone of 4.8 x 10⁶ sq. ft. (110 acres).

DRAFT

B. BIOLOGICAL MONITORING REQUIREMENTS

All submissions under this section should provide:

- Two (2) paper copies and one (1) electronic copy to the Steam Electric Unit Leader;
- One (1) copy of the cover letter to the Division of Water State Pollution Discharge Elimination System (SPDES) Compliance Information Section; and
- One (1) copy of the cover letter to the Regional Water Engineer; unless otherwise noted.

Operating Conditions by Effective Date of the Permit

1. By the Effective Date of the Permit (EDP), the permittee will:
 - a. Continue to operate the fish return system;
 - b. Continuously rotate and wash the traveling screens when operating any cooling water circulating pump. Any fish, shellfish or other organisms collected or trapped at the intake structure shall be returned to Hempstead Harbor;
 - c. Employ aggressive pump shutdowns in accordance with the following requirements:
 - i. if the permittee anticipates that the unit will be off-line for less than 3 days, shut down one pump immediately; and
 - ii. if the permittee anticipates that the unit will be off-line for more than 3 days, shut down one pump immediately, and shut down the second pump as soon as safe and consistent with facility procedures and operations.
 - d. Operate the Glenwood Generating Station so that by ExDP, the facility will operate at or below a capacity factor of 15% calculated as the average capacity over the five-year term of the permit.

Pre-Power Supply Agreement Termination Date

2. Prior to the Power Supply Agreement (PSA) Termination Date of May 28, 2013 the permittee shall:
 - a. Submit an annual report by February 15 of each year showing (i) the power generation and cooling water flow on a monthly basis, (ii) the average capacity factor for each of the full calendar years since EDP, and (iii) the cumulative average capacity factor for these calendar years. All submitted data must be provided in both tabular form and electronically, in Microsoft Excel™ spreadsheet format;
 - b. Three months prior to the PSA Termination Date, the permittee shall send notice to the Department informing the Department of the status of the PSA renewal. If the PSA is renewed, the permittee shall submit the final PSA to the Department; and
 - c. In addition to 2.a. and 2.b., the permittee may also propose feasible alternative operational measures or technologies that would provide essentially the same or greater protective benefits realized by the combination of Biological Requirement 1 and the required variable speed drive pumps as per Biological Requirement 4, for the Department's consideration. This proposal must be made at least 6 months prior to the PSA Termination Date and shall include the following:
 - i. A detailed description of the alternative (including preliminary drawings and site maps, if appropriate);
 - ii. A discussion of the engineering feasibility of the alternative;

- iii. An assessment of the mitigative benefits in reducing impingement mortality and entrainment abundance for all life stages of fish and shellfish, through utilization of the alternative;
- iv. A breakdown of all applicable costs including costs associated with capital improvements, operation and maintenance, and construction downtime;
- v. An estimate of the time required to implement the alternative; and
- vi. An evaluation of any adverse environmental impacts to aquatic biota, habitat, or water quality that may result from construction, installation, and use of the alternative.

If the Department determines that the proposed alternative will be feasible and provide essentially the same or greater protective benefits realized by the required variable speed drive pumps in Biological Monitoring Requirement No. 4 along with the requirements of Biological Monitoring Requirement No. 1, and the permittee desires to implement this alternative, the permittee will request a modification to this permit to incorporate the proposed alternative.

Operations After the Power Service Agreement Termination Date

3. If the PSA is not renewed AND the permittee ceases operation of the non-contact cooling water system after the PSA Termination Date, compliance is required with Biological Monitoring Requirements Nos. 9 and 13 only.

Technology Installation and Operation Plan

4. If the permittee renews the Power Service Agreement to operate the Glenwood Generating Station after May 28, 2013, the permittee must submit an approvable Technology Installation and Operation Plan by May 28, 2013. This plan must include:
 - a. A schedule for installing Variable Speed Drive Pumps and controls at Unit 4 and Unit 5; and
 - b. Drawings and descriptions of all work to be done for installation of the pumps and any modifications to the cooling water intake structure that may be required.

Upon receipt of Department approval, the permittee must implement the Technology Installation and Operation Plan in accordance with the approved schedule. The Technology Installation and Operation Plan and approved schedule will become an enforceable condition of this SPDES permit.

Verification Monitoring Plan

5. Within 3 months of Department approval of the Technology Installation and Operation Plan, the permittee must submit an approvable Verification Monitoring Plan. This plan must include details of procedures to demonstrate the effectiveness of the technologies and operational measures. The Department will evaluate the reductions in impingement and entrainment against the requirements set in this permit. The plan must include the following:
 - a. At a minimum, two years of monitoring, post-installation of BTA, to verify the full-scale performance of BTA measures;
 - b. A description of the frequency and duration of monitoring, the parameters to be monitored, detailed discussion on statistical design and analyses and the basis for determining the parameters, frequency and duration for monitoring;
 - c. A schedule of implementation; and
 - d. A draft proposed Standard Operation Procedure (SOP) that describes the sampling protocols for these monitoring studies.

The plan and SOP must be updated as required by the Department. Upon receipt of Department approval the permittee must complete the Verification Monitoring Plan in accordance with the approved schedule. The Verification Monitoring Plan and approved schedule will become an enforceable condition of this SPDES permit.

6. Within 6 months of the completion of the monitoring identified in the approved Verification Monitoring Plan the permittee must

submit to the Steam Electric Unit Leader an approvable report and all electronic data collected, in Microsoft Excel™ spreadsheet format, that demonstrates compliance with 6 NYCRR Part 704.5 and § 316(b) of the Clean Water Act.

Implementation of BTA

7. The Variable Speed Drives shall be installed at Unit 4 and Unit 5 in accordance with the approved Technology Installation and Operation Plan. The reductions in entrainment and impingement mortality resulting from operation of this technology, in combination with operational measures from Biological Requirements No. 1 & 2, can be no less stringent, and if possible, should be substantially greater than the following conditions:
- a. 60 percent reduction of entrainment from full-flow calculation baseline; and
 - b. 80 percent reduction of impingement mortality from full-flow calculation baseline.

Each of these conditions shall be measured as a five-year average following implementation of BTA.

Contingency Plan to meet Conditions Identified in Biological Monitoring Requirement No. 7

8. If, upon completion of the Verification Monitoring Studies, the Department determines that the reductions in Requirement 7a. and 7b. have not been achieved, the Department shall notify the permittee, and within three months of notification, the permittee shall submit a plan that identifies any additional measures needed to achieve or exceed a 60 percent reduction in entrainment and a 80 percent reduction in impingement mortality. The plan shall contain a schedule for installing and implementing technologies and/or operational measures to achieve compliance with the reductions contained in Requirement 7a. and 7b. Upon Departmental approval, the plan and schedule shall become enforceable conditions of this permit.

Additional Reporting Requirements

9. The permittee must maintain records of all data, reports and analysis pertaining to compliance with 6NYCRR Part 704 and § 316(b) of the Clean Water Act for a period no less than 10 years from EDP.
10. The permittee must submit status reports at EDP + 2.5 years and every two years thereafter. At a minimum, these status reports must include a description of the operational status of the facility during the preceding two years and measures taken to comply with Biological Monitoring Requirements 1 through 8 of this permit.
11. To determine compliance with Biological Monitoring Requirement No. 7, after installation and operation of variable speed pumps, the permittee must submit monthly flow reduction and outage compliance reports to the NYSDEC Steam Electric Unit Leader containing the following data:
- a. Unit operation including daily minimum, maximum and total energy generation in MWh per Unit;
 - b. Cooling water usage including daily minimum, maximum and total flow in MGD; and
 - c. Reduction in daily cooling water use from the full-flow calculation baseline.

All submitted data must be provided in both tabular form and electronically, in Microsoft Excel™ spreadsheet format.

12. Six (6) months prior to the expiration date of this permit, and every five years thereafter, the permittee must submit a report that includes:
- a. A description and detailed analysis of the cumulative reductions in impingement and entrainment achieved during the first four years of this permit;
 - b. All electronic data collected to demonstrate the reductions in impingement mortality and entrainment in Microsoft Excel™ spreadsheet electronic format; and
 - c. A detailed analysis of technologies and/or operation measures available at that time, which have been demonstrated to, or have the potential to, further reduce fish mortality at the Glenwood Station. The list of technologies and/or operation

measure included in this analysis must be selected with the concurrence of the Department.

General Requirements

13. Modification of the facility cooling water intake must not occur without prior Department approval. The permittee must submit written notification, including detailed descriptions and plans, to the NYS DEC Steam Electric Unit; the Director of the Bureau of Water Compliance Program; and both the Regional Permit Administrator and the Regional Water Engineer, Region 1, at least 60 days prior to any proposed change which would result in the alteration of the permitted operation, location, design, construction or capacity of the cooling water intake structure. The permittee must submit with the written notification a demonstration that the change reflects the best technology available for minimizing adverse environmental impacts pursuant to 6 NYCRR Part 704.5 and § 316(b) of the Clean Water Act. As determined by NYS DEC, a permit modification application in accordance with 6 NYCRR Part 621 may be required.

C. SPECIAL CONDITIONS - INDUSTRY BEST MANAGEMENT PRACTICES

1. **General** - The permittee shall maintain and implement a Best Management Practices (BMP) plan 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 stormwater discharges including, but not limited to, drainage from raw material storage.

The BMP plan shall be documented in narrative form and shall include the 13 minimum BMPs 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 plan and may be incorporated by reference. A copy of the current BMP plan 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 BMP plan 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 plan is inadequate, or (c) a letter from the Department identifies inadequacies in the plan. The permittee shall certify in writing, as an attachment to the December Discharge Monitoring Report (DMR), that the annual review has been completed. All BMP plan revisions (with the exception of SWPPPs - see item (4.B.) below) must be submitted to the Regional Water Manager within 30 days. Note that the permittee is not required to obtain Department approval of the BMP plan (or of any SWPPPs) 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/permits/6222.html>) or that are required to be monitored for by the SPDES permit.

4. A. **13 Minimum BMPs** - Whenever the potential for a release of pollutants to State waters is determined to be present, the permittee shall identify 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 stormwater elements of the BMP is available in the September 1992 manual *Storm Water Management for Industrial Activities*, EPA 832-R-92-006 (available from NTIS, 703-487-4650, order #PB 92235969 or at <http://cfpub.epa.gov/npdes/stormwater/swppp-msgp.cfm>). As a minimum, the plan shall include the following BMPs:

- | | | |
|-------------------------------------|---|---------------------------------|
| 1. BMP 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 BMPs may not be applicable. It is acceptable in these cases to indicate "Not Applicable" for the portion(s) of the BMP Plan that do not apply to your facility, along with an explanation.

B. Stormwater Pollution Prevention Plans (SWPPPs) Required for Discharges of Stormwater From Construction Activity to Surface Waters - As part of BMP #11, 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 Manager; 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 Manager, 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 Manager 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.ny.gov/docs/water_pdf/gp0201machine.pdf) 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. **Required Sampling For "Hot Spot" Identification** - Development of the BMP plan shall include sampling of waste stream segments for the purpose of pollutant "hot spot" identification. The economic achievability of effluent limits will not be considered until plant site "hot spot" sources have been identified, contained, removed or minimized through the imposition of site specific BMPs or application of internal facility treatment technology. For the purposes of this permit condition a "hot spot" is a segment of an industrial facility (including but not limited to soil, equipment, material storage areas, sewer lines etc.) which contributes elevated levels of problem pollutants to the wastewater and/or stormwater collection system of that facility. For the purposes of this definition, problem pollutants are substances for which treatment to meet a water quality or technology requirement may, considering the results of waste stream segment sampling, be deemed unreasonable. For the purposes of this definition, an elevated level is a concentration or mass loading of the pollutant in question which is sufficiently higher than the concentration of that same pollutant at the compliance monitoring location so as to allow for an economically justifiable removal and/or isolation of the segment and/or B.A.T. treatment of wastewaters emanating from the segment.
6. **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 (6 NYCRR 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 soon as practical and for CBS storage areas within 24 hours unless written authorization is received from the Department. 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 BMP Plan, 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 Manager 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.

DISCHARGE NOTIFICATION REQUIREMENTS

- (a) Except as provided in (c), (f) and (g) 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 before initiation of any discharge.
- (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 three years.

- (f) If, upon November 1, 1997, the permittee has installed signs that include the information required by 17-0815-a(2)(a) of the ECL, but do not meet the specifications listed above, the permittee may continue to use the existing signs for a period of up to five years, after which the signs shall comply with the specifications listed above.
- (g) 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 (h):
- (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.
- (h) If the permittee believes that any outfall which discharges wastewater from the permitted facility meets any of the waiver criteria listed in (g) 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.
- (i) 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.

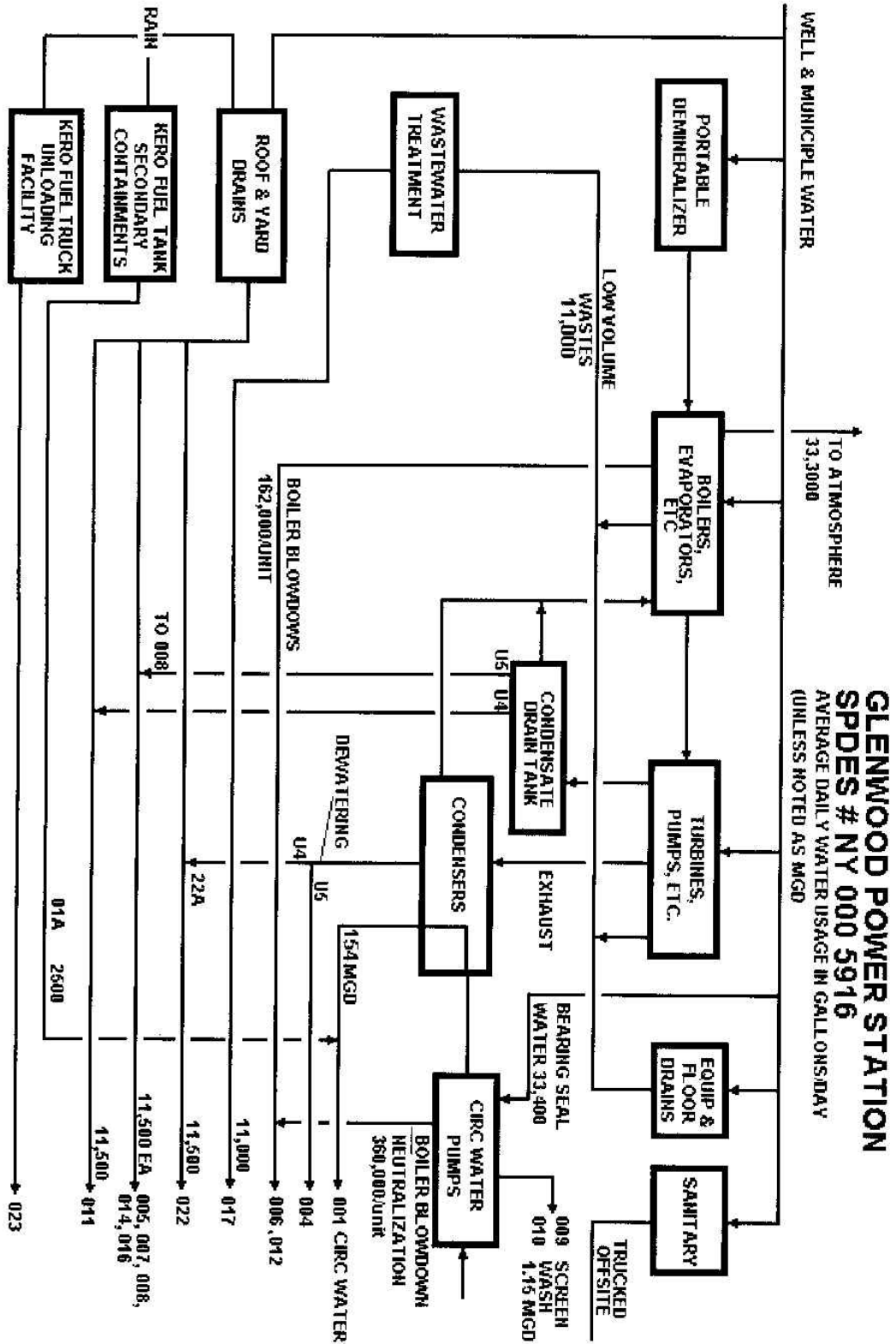
SCHEDULE OF COMPLIANCE

a) The permittee shall comply with the following schedule:

Action Code	Outfall Number(s)	Compliance Action	Due Date
		DRAFT	
	NA	B1. Operate the fish return system, continuously operate the traveling screens, employ aggressive pump shutdowns, operate at or below 15% capacity B2.a. Submit annual report demonstrating generation, capacity and cumulative average capacity B2.b. Notify the Department of status of PSA agreement B2.c. Permittee proposes alternative technologies and operational measures (optional) B4. Submit an approvable <i>Technology Installation and Operation Plan</i> (TIOP) B5. Submit an approvable <i>Verification Monitoring Plan</i> (VMP) B6. Submit an approvable report that demonstrates compliance with 6 NYCRR 704.5 B7. Installation of Variable Speed Pumps (VSP) B8. Submit contingency plan B10. Submit status reports B11. Submit report to demonstrate compliance with B9 B12. Submit report on cumulative reductions in impingement and entrainment mortality and analysis of technologies	EDP By February 15, annually By February 28, 2013 By November 28, 2012 By May 28, 2013 TIOP approval + 3 months VMP completion + 6 months According to TIOP Within 3 months of notification by Department EDP +2.5 years and every two years thereafter Monthly, after VSP installation EDP +4.5 years and every five years thereafter

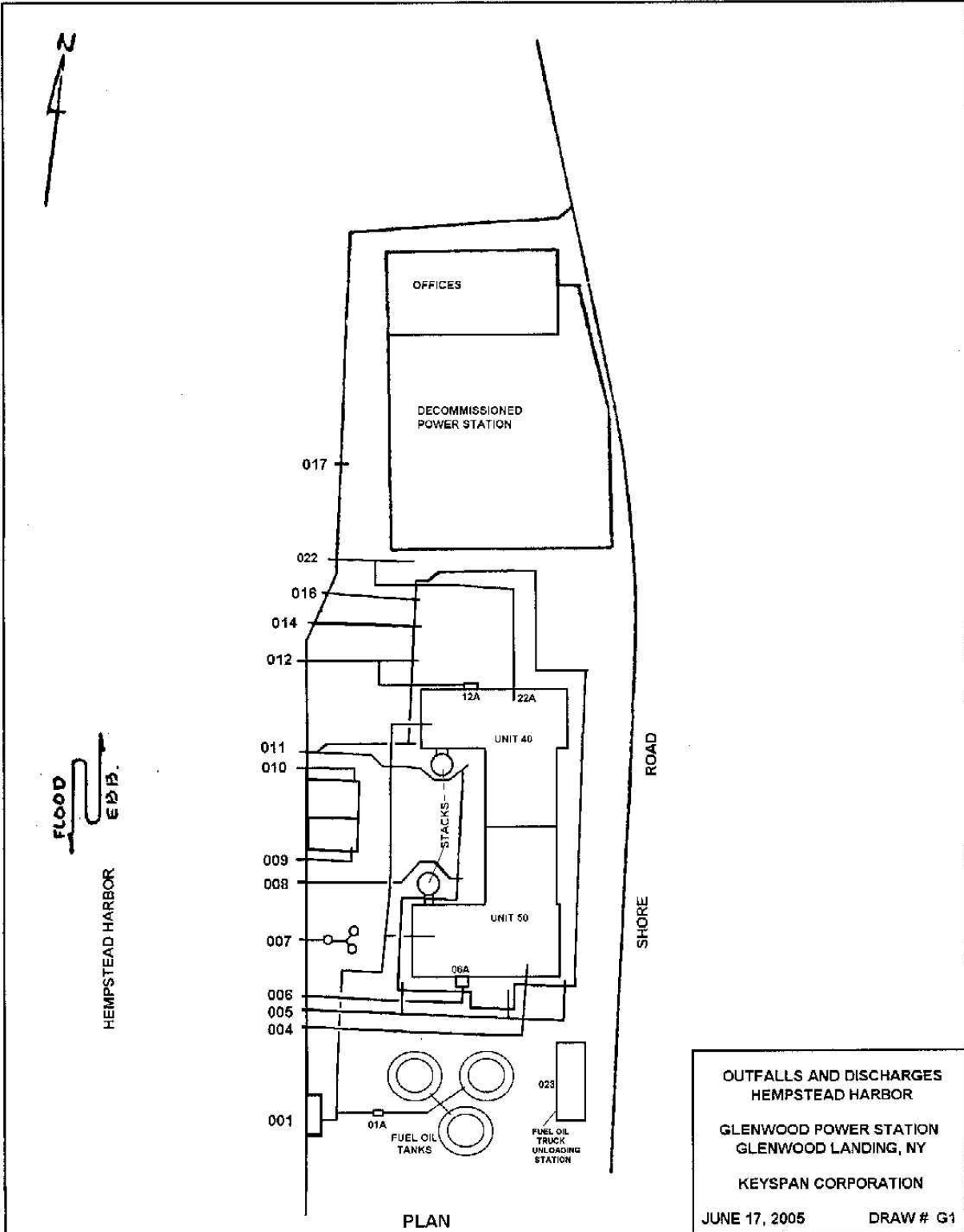
The above compliance actions are one time requirements. The permittee shall comply with the above compliance actions to the Department's satisfaction once. When this permit is administratively renewed by NYSDEC letter entitled "SPDES NOTICE/RENEWAL APPLICATION/PERMIT", the permittee is not required to repeat the submission. The above due dates are independent from the effective date of the permit stated in the letter of "SPDES NOTICE/RENEWAL APPLICATION/PERMIT."

- b) The permittee shall submit a written notice of compliance or non-compliance with each of the above schedule dates no later than 14 days following each elapsed date, unless conditions require more immediate notice as prescribed in 6 NYCRR Part 750-1.2(a) and 750-2. All such compliance or non-compliance notification shall be sent to the locations listed under the section of this permit entitled RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS. Each notice of non-compliance shall include the following information:
1. A short description of the non-compliance;
 2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirements without further delay and to limit environmental impact associated with the non-compliance;
 3. A description or any factors which tend to explain or mitigate the non-compliance; and
 4. An estimate of the date the permittee will comply with the elapsed schedule requirement and an assessment of the probability that the permittee will meet the next scheduled requirement on time.
- c) The permittee shall submit copies of any document required by the above schedule of compliance to NYSDEC Regional Water Manager at the location listed under the section of this permit entitled RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS and to the Bureau of Water Permits, 625 Broadway, Albany, N.Y. 12233-3505, unless otherwise specified in this permit or in writing 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 and on the following page:



RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

- a) The permittee shall also refer to 6 NYCRR Part 750-1.2(a) and 750-2 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 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;**

(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 Manager 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:
 Regional Water Manager 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 Watershed Compliance Programs
625 Broadway
Albany, New York 12233-3506

Phone: (518) 402-8177

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

Department of Environmental Conservation
Regional Water Manager, Region 1
SUNY Campus Bldg. 40
Stony Brook, New York 11790

Phone: (631) 444-0420

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

Include a copy of the laboratory analysis with the
NYSDEC Region 1 copy

- c) Noncompliance with the provisions of this permit shall be reported to the Department as prescribed in 6 NYCRR Part 750-1.2(a) and 750-2.
- 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.