

May 17, 2001

Docket Nos: 50-352  
50-353

License Nos: NPF-39  
NPF-85

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Subject: Limerick Generating Station  
NPDES Permit No. PA0051926 Amendment

Dear Sir/Madam:

In accordance with Appendix B, Section 3.2 of the Limerick Generating Station Units 1 and 2 Operating Licenses, this letter is being submitted to provide a copy of the amended NPDES permits for the Limerick Generating Station (PA0051926), Bradshaw Reservoir (PA0052221) and the Bradshaw Reservoir Water Quality Management Permit (0989206). Enclosed are copies of the permits.

If you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,



James A. Hutton  
Director - Licensing

cc: H. J. Miller, Administrator, USNRC, Region I  
A. L. Burritt, USNRC, Senior Resident Inspector, LGS  
C. Gratton, USNRC, Senior Project Manager

C001

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER MANAGEMENT PROGRAM

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**NPDES PERMIT NO. PA 0052221  
Amendment No. 2**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

**Exelon Generation Company - Client ID No. 147686**

is authorized to discharge from a facility located at

**Bradshaw Reservoir - Site ID No. 452264**

**Elephant Road and Central School Road**

**Bedminster, PA 18944**

Municipality **Bedminster Township** County **Bucks**

to receiving waters named **East Branch Perkiomen Creek**

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT, 11/09/2003**

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
3. Complete application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form.

In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports, will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED \_\_\_\_\_

ISSUED BY *James Heald*

DATE PERMIT AMENDMENT ISSUED

04/10/01

TITLE:

Regional Manager  
Water Management

DATE EFFECTIVE

05/01/01

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**  
**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

Permit No. PA000221

Amendment No. 2

1. For Outfall 001, Latitude 40°24'45", Longitude 75°13'21", River Mile Index 23.57, Stream Code 01168

which receives waste water from Bradshaw Reservoir

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2a).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Minimum Daily Avg.	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							Continuous	Recorded	
DISSOLVED OXYGEN * (5-1 to 9-30)			5.0	Monitor/ Report	6.0	Monitor/ Report	5/Month	Grab	
FECAL COLIFORM ** (5-1 to 9-30)				200 # col/ 100ml			1/Month	Grab	
pH * (STD UNITS) (5-1 to 9-30)			6.0			9.0	5/Month	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001

\* Sample shall be collected during fecal coliform sampling. \*\* Also, see Footnote "d" on page 2a.

Re 30 (GJC98)167-6e

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONT'D)**

- c. All discharges of floating materials, oil, grease, scum and substances which produce tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected as to human, animal, plant or aquatic life.
- d. The permittee shall provide for effective disinfection of this discharge to control disease-producing organisms. During the swimming season (May 1<sup>st</sup> through September 30<sup>th</sup>), the maximum fecal coliform level shall be a geometric mean of 200 per 100 milliliters (ml), based on five consecutive samples each sample collected on different days.

Footnotes (Refer to page 2)

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured, recorded and reported on the Discharge Monitoring Report Form.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports (DMRs) or supplemental DMRs unless specifically required on those forms to do so.

## 2. DEFINITIONS

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations 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.
- d. "Average" refers to the use of an arithmetic mean, unless otherwise specified in this permit.
- e. "Geometric Average (mean)" means the average of a set of n sample results given by the n<sup>th</sup> root of their product.
- f. "Average monthly" discharge limitation means the highest allowable average of "daily values" over a calendar month, calculated as the sum of all "daily values" measured during a calendar month divided by the number of "daily values" measured during that month.
- g. "Average weekly" discharge limitation means the highest allowable average of "daily values" over a calendar week, calculated as the sum of all "daily values" measured during a calendar week divided by the number of "daily values" measured during that week.
- h. "Maximum daily" discharge limitation means the highest allowable "daily discharge."
- i. "Maximum any time" (or instantaneous maximum) means the level not to be exceeded, at any time, in any grab sample.
- j. "Composite Sample" (for all except GC/MS volatile organic analysis) means a combination of at least eight individual samples of at least 100 milliliters, each obtained at periodic intervals during the operating hours of a facility over a 24-hour period. The composite must be flow proportional, either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates, over the time period used to produce the composite.  
  
 "Composite Sample for GC/MS volatile organic analysis" consists of at least four (rather than eight) aliquots or grab samples collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. The four samples are composited in the laboratory immediately before analysis, and only one analysis performed.  
  
 The maximum time period between individual samples used for any "composite sample" shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).
- k. "Grab Sample" means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not to exceed 15 minutes.

- l. "I-S" means immersion stabilization - in which a calibrated device is immersed in the wastewater until the reading is stabilized.
- m. The "Daily Average" temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.
- n. "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- o. "At outfall XXX" means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line XXX, or where otherwise specified.
- p. "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.
- q. "Non-contact cooling water" means water used to reduce temperature, which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.  
  
Such water may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures contain small amounts of process chemicals: provided that all reasonable measures have been taken to prevent, reduce, eliminate, and control the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.
- r. "Toxic Pollutant" - Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will, on the basis of information available to the Department, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organisms or their offspring.
- s. "Hazardous substance" means any substance designated under 40 CFR Part 116, pursuant to Section 311 of the Clean Water Act.
- t. "Publicly Owned Treatment Works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act, which is owned by a State or Municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.
- u. "Industrial User" means an establishment which discharges or introduces industrial wastes into a Publicly Owned Treatment Works (POTW).
- v. "Total Dissolved Solids" means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.
- w. "Storm water associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- x. "Storm water" means storm water runoff, snow melt runoff and surface runoff and drainage.

- y. "Best Management Practices ("BMPs")" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "waters of the United States." BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3. SELF-MONITORING, REPORTING, AND RECORDKEEPING

a. Representative Sampling

- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) Records Retention

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years from the date of the sample measurement, report or application. The three-year period shall be extended as requested by the Department or the EPA Regional Administrator.

(3) Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (i) The exact place, date, and time of sampling or measurements;
- (ii) The person(s) who performed the sampling or measurements;
- (iii) The date(s) the analyses were performed;
- (iv) The person(s) who performed the analyses;
- (v) The analytical techniques or methods used; and the associated detection level; and
- (vi) The results of such analyses.

(4) Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in the permit.

(5) Quality Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- (a) Permittee or its designated laboratory shall participate in the periodic scheduled quality assurance inspections conducted by the Department and EPA.

- (b) The permittee or its designated laboratory shall develop and implement a program to assure the quality and accuracy of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136, Appendix A.

b. Reporting of Monitoring Results

- (1) The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
- (2) Unless instructed otherwise in Part C of this permit, monitoring results obtained each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR).
- (3) The completed DMR form shall be signed and certified either by the following applicable person (as defined in 40 CFR 122.22(a)) or by that person's duty authorized representative (as defined in 40 CFR 122.22(b)):

- for a corporation - by a responsible corporate officer;
- for a Partnership or Sole Proprietorship - by a general partner or the proprietor, respectively; and
- for a Municipality, State, Federal or other public agency - by a principle executive officer or ranking elected official.

If signed by other than the above, written notification of delegation of DMR signatory authority must be submitted to the Department.

- (4) If the permittee monitors any pollutant, using analytical methods described in A.3.a(4) above, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. Reporting Requirements

- (1) Planned Changes - The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
- (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in § 122.29(b); or
  - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under § 122.42(a)(1); or
  - (c) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

(2) Anticipated Non-Compliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

(3) Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(4) Twenty-Four Hour Reporting

- (a) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.
- (b) The following shall be included as information which must be reported within 24 hours under this paragraph:
- (i) Any unanticipated bypass which exceeds any effluent limitation in the permit.
  - (ii) Any catastrophic event which causes the discharge to exceed effluent limitations in this permit.
  - (iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.
- (c) The Department may waive the written report on a case-by-case basis for reports under paragraph C (4)(a) of this section if the oral report has been received within 24 hours.

(5) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs C (3), (4) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph C (4) of this section.

Compliance with reporting requirements under A.3.c. above, shall not excuse a person from immediate notification of incidents causing or threatening pollution pursuant to 25 Pa. Code 101.2.

d. Specific Toxic Substance Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Dischargers) - The permittee shall notify the Department as soon as it knows or has reason to believe the following:

- (1) That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels:"
- (a) One hundred micrograms per liter;
  - (b) Two hundred micrograms per liter for acrolein and acrylonitrile;
  - (c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol;
  - (d) One milligram per liter for antimony;

- (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application;
  - (f) Any other notification level established by the Department.
- (2) That any activity has occurred, or will occur, which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
- (a) Five hundred micrograms per liter;
  - (b) One milligram per liter for antimony;
  - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application;
  - (d) Any other notification level established by the Department.

## PART B

### 1. MANAGEMENT REQUIREMENTS

#### a. Compliance Schedules

- (1) The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in Part C of this permit.
- (2) The permittee shall submit reports of compliance or noncompliance with, or progress reports as applicable, any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

#### b. Permit Modification, Termination or Revocation and Reissuance

- (1) This permit may be modified, suspended or revoked in whole or in part during its term for causes including, not limited to, any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) In the absence of a Departmental action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

#### c. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.
- (4) Where the permittee is a POTW, the permittee shall provide adequate notice to the Department of the following:
  - (a) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging those pollutants.
  - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User, which was discharging into the POTW at the time of issuance of this permit.

- (c) Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW. The submission of the above information in the POTW's Annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94, will normally be considered as providing adequate notice to the Department, unless a more stringent time period is required by law, regulation or permit condition in which case the more stringent submission date shall apply.
- (d) The identity of Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the Industrial Users.
- (e) The POTW shall require all Industrial Users to comply with the reporting requirements of Sections 204(b), 307 and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

d. Facilities Operation

The permittee shall, at all times, maintain in good working order and properly operate and maintain all facilities and systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems, which are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

The permittee shall develop, install and maintain Best Management Practices to control or abate the discharge of pollutants when the practices are reasonably necessary to achieve the effluent limitations and standards in this permit or to carry out the purposes and intent of the Clean Water Act, or when required to do so by the Department.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

f. Bypassing

- (1) Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be violated, but only if the bypass is essential for maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c.

- (2) Other Bypassing - In all other situations, bypassing is prohibited unless all of the following conditions are met:
- (a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage;"
  - (b) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed (in the exercise of reasonable engineering judgement) to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
  - (c) The permittee submitted the necessary reports required under Part A.3.c.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three Conditions (a through c) listed above.

## 2. PENALTIES AND LIABILITY

### a. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative, and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality who violates any provision of this permit, any rule, regulation, or order of the Department, or any condition or limitation of any permit issued pursuant to the Clean Streams Law is subject to criminal and/or civil penalties, as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

### b. Falsifying Information

Any person who does any of the following:

Falsifies, tampers with or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit; or

Knowingly makes any false statement, representation or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or non-compliance);

shall, upon conviction, be punished by a fine and/or imprisonment, as set forth in 18 P.S. § 4904 and 40 CFR 122.41(j)(5) and (k)(2).

### c. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

d. Enforcement Proceedings

- (1) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity, in order to maintain compliance with the conditions of this permit.

3. OTHER RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of the Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (3) To inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- (4) To sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

b. Transfer of Permits

- (1) *Transfers by modification.* Except as provided in paragraph (2) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- (2) *Automatic transfers.* As an alternative to transfers under paragraph (1) of this section, any NPDES Permit may be automatically transferred to a new permittee if:
  - (a) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in paragraph (2)(b) of this section;
  - (b) The notice includes the appropriate Department transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and
  - (c) The Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (2)(b) of this section.

(5) In the event the Department does not approve transfer of the permit, the new owner or controller must submit a new permit application.

c. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

d. Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

**PART C**

**OTHER REQUIREMENTS**

1. Monitoring data required by this permit shall be submitted monthly. A Discharge Monitoring Report (DMR) properly completed and signed in accordance with Part A, Section 3.b.(3) of this permit, must be submitted within 28 days after the end of each monthly report period. Notification of the designation of the responsible operator must be submitted to the permitting agency by the permittee within 60 days after the effective date of the permit and from time to time thereafter as the operator is replaced. The DMR must be sent to:

Regional Manager  
Water Management  
Department of Environmental Protection  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

2. A copy of this Report should also be sent to the following agency(s):

Bucks County Health Department  
Neshaminy Manor Center  
Doylestown, PA 18901

3. No chemical addition for control of corrosion, scaling, algae, slime, fouling or oxygen, etc., shall be made to the cooling or boiler water system, which has a discharge covered by this permit, without approval by the Department.
4. The Department may identify and require certain discharge specific data to be submitted before the expiration date of this permit. Upon notification by the Department, the permittee will have 12 months from the date of the notice to provide the required data. These data, along with any other data available to the Department, will be used in completing the Watershed TMDL/WLA Analysis and in establishing discharge effluent limits.

PART C

OTHER REQUIREMENTS

5. In addition to the effluent limitations and monitoring requirements set forth on page 2 of the permit, a grab sample, at a frequency of at least once a year, shall also be collected at the Outfall 001 and be analyzed for the following pollutants using test methods contained in 40 C.F.R. Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" or any approved Test Method(s) of equal or greater sensitivity:

Parameters

Aluminum, Total  
Cadmium, Total  
Chromium, Hexavalent  
Copper, Total  
Cyanide, Free  
Iron, Dissolved  
Iron, Total  
Lead, Total  
Mercury, Total  
Nickel, Total  
Phenolics, Total  
Silver, Total  
Zinc, Total

The results must be submitted to the Department on the Discharge Monitoring Report form.

6. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.

Re 30 (GJC98)167-6b

NAME: EXELON GENERATION COMPANY

ADDRESS: 200 EXELON WAY

KENNETT SQUARE, PA 19348

PA0052221

PERMIT NUMBER

001

DISCHARGE NUMBER

FAC. ADDRESS: BRADSHAW RESERVOIR RELEASE TO

MONITORING PERIOD

CREEK AT CENTRAL SCHOOL/ELEPHANT ROADS

YEAR

MO

DAY

TO

YEAR

MO

DAY

MUNICIPALITY: BEDMINSTER TOWNSHIP

COUNTY: BUCKS

FORM APPROVED.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE MONTHLY	MAXIMUM DAILY	UNITS	MINIMUM INST.	AVERAGE MONTHLY	MINIMUM DAILY AVG.	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	MGD	XXXX	XXXX	XXXX	XXXX		CONTINUOUS	RECORDED
DISSOLVED OXYGEN (5-1 to 9-30)	Sample Measurement	XXXX	XXXX								
	Permit Requirement	XXXX	XXXX	XXXX	5.0	MONITOR/REPORT	6.0	MG/L		5/MONTH	GRAB
FECAL COLIFORM (5-1 to 9-30)	Sample Measurement	XXXX	XXXX		XXXX		XXXX				
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	200	XXXX	# COL/100ML		1/MONTH	GRAB
pH (5-1 to 9-30)	Sample Measurement	XXXX	XXXX								
	Permit Requirement	XXXX	XXXX	XXXX	6.0	XXXX	INST. MAX. 9.0	STD		5/MONTH	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE

NUMBER

DATE

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 11/09/2003

SUBMIT RENEWAL BY 05/09/2003

### Paperwork Reduction Act Notice

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### General Instructions

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2. Enter "*Permittee Name/Mailing Address (and facility name/location, if different),*" "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
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13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

### Legal Notice

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
Amendment No. 2

NAME: EXELON GENERATION COMPANY

ADDRESS: 200 EXELON WAY

KENNETT SQUARE, PA 19348

PA0052221

PERMIT NUMBER

001

DISCHARGE NUMBER

FAC. ADDRESS: BRADSHAW RESERVOIR RELEASE TO

MONITORING PERIOD

CREEK AT CENTRAL SCHOOL/ELEPHANT ROADS

YEAR MO DAY TO YEAR MO DAY

MUNICIPALITY: BEDMINSTER TOWNSHIP

COUNTY: BUCKS

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

NOTE: Read instructions before completing this form

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY	UNITS			
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
PHENOLICS, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
IRON, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
ALUMINUM, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
CADMIUM, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
MERCURY, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
NICKEL, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				

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TELEPHONE

AREA CODE

NUMBER

1/YEAR

YEAR

DATE

MO

GRAB

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 11/09/03

SUBMIT RENEWAL BY 05/09/03

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Amendment No. 2

ADDRESS: 200 EXELON WAY

PA0052221

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KENNETT SQUARE, PA 19348

PERMIT NUMBER

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FAC. ADDRESS: BRADSHAW RESERVOIR RELEASE TO

MONITORING PERIOD

CREEK AT CENTRAL SCHOOL/ELEPHANT ROADS

YEAR MO DAY TO

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MUNICIPALITY: BEDMINSTER TOWNSHIP

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ZINC, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
CHROMIUM-HEXAVALENT	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
COPPER, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
LEAD, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
SILVER, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
CYANIDE, FREE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
	Sample									1/YEAR	GRAB

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**WATER QUALITY MANAGEMENT PERMIT**

<b>A. PERMITTEE (Name &amp; Address):</b> Exelon Generation Company - Client ID No. 147686 200 Exelon Way Kennett Square, PA 19348			
<b>B. PROJECT (Name, County, Municipality)</b> Bradshaw Reservoir Release - Site ID No. 452264 Bedminster Industrial Park Bedminster Township, Bucks County			
<b>C. THIS:</b> <u>      </u> Permit <u>  X  </u> Permit Amendment			
<b>APPROVES:</b>	<table style="width:100%; border:none;"> <tr> <td style="width:50%; border:none;"> <b>The construction/operation of:</b>  <u>      </u> Sewage Treatment Facilities  <u>      </u> Land Application Facilities  <u>      </u> Average Design Flow of <u>17.5 to 42</u>  <u>      </u> <b>diffusers.</b>    <u>      </u> Sewers and Appurtenances  <u>      </u> Impoundment(s)  <u>      </u> Soil Erosion &amp; Sedimentation Control Plan  <u>      </u> Stream Crossing(s) </td> <td style="width:50%; border:none;"> <b>Modification(s) to the construction/operation of:</b>  <u>  X  </u> Industrial Waste Treatment Facilities  <u>      </u> Other: <u>Permit Transfer</u>  MGD consisting of: <u>ozone disinfection and</u>    <u>      </u> Pump Station(s)  <u>      </u> Injection Well(s)    <u>      </u> Outfall &amp; Headwall(s) </td> </tr> </table>	<b>The construction/operation of:</b> <u>      </u> Sewage Treatment Facilities <u>      </u> Land Application Facilities <u>      </u> Average Design Flow of <u>17.5 to 42</u> <u>      </u> <b>diffusers.</b>  <u>      </u> Sewers and Appurtenances <u>      </u> Impoundment(s) <u>      </u> Soil Erosion & Sedimentation Control Plan <u>      </u> Stream Crossing(s)	<b>Modification(s) to the construction/operation of:</b> <u>  X  </u> Industrial Waste Treatment Facilities <u>      </u> Other: <u>Permit Transfer</u> MGD consisting of: <u>ozone disinfection and</u>  <u>      </u> Pump Station(s) <u>      </u> Injection Well(s)  <u>      </u> Outfall & Headwall(s)
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<b>D. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:</b>			
a. All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit/Permit Amendment Application dated <u>10/17/00</u> , its supporting documentation, and addendums dated _____ Such application, its supporting documentation and addendums are hereby made a part of this permit. b. Water Quality Management Permit No. <u>0989206</u> dated <u>12/18/89</u> and conditions, supporting documentation and addendums are (except for any modifications to the original permit herein permitted) also made a part of this permit amendment. 2. Conditions numbered <u>2-10, 13, 14, 16</u> of the <u>Industrial Waste</u> standard conditions dated <u>9/98</u> and conditions numbered <u>1 thru 13</u> of the erosion control standard conditions dated <u>9/98</u> are attached and made part of this permit. 3. Special conditions numbered <u>I, II</u> are attached and made part of this permit.			
<b>E. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</b>			
1. If there is a conflict between the application or its supporting documents and amendments and the standard or special conditions, the standard or special conditions shall apply. 2. Failure to comply with the rules and regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit. 3. This permit is issued pursuant to the Clean Stream law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. § 691.1 et seq., and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. § 693.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law. 4. Industrial Facilities - If the herein permitted facilities or modifications are not completed with two (2) years of the issue date below, this permit will become null and void and reapplication shall be required.			
<b>PERMIT ISSUED:</b> DATE _____ <b>AMENDMENT ISSUED:</b> DATE <u>April 10, 2001</u>	<b>DEPARTMENT OF ENVIRONMENTAL PROTECTION</b>  BY: <u>James Heald</u> TITLE: <u>Regional Manager, Water Management</u>		

**Industrial Waste Permit No. 0989206 Amendment No. 1  
Exelon Generation Company  
Bedminster Township, Bucks County**

**This permit is subject to the following Special Condition(s):**

- I. The Authority granted by this permit is subject to all effluent requirements, and other conditions, as set forth in Parts A, B, and C of the Part I Discharge Permit No. PA0052221 Amendment No. 2. No discharge is authorized for these facilities unless approved by a Part I Permit.
- II. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.

Re 30 (SMC01)67-10B

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**STANDARD CONDITIONS RELATING TO INDUSTRIAL WASTES**  
**For Use In Water Quality Management Permits**

1. All relevant and non-superseded conditions of any prior water quality management permits, decrees, or orders issued to the permittee or his predecessor shall be continued in full force and effect and together with the provisions of this permit shall apply to his successors, lessees, heirs and assigns.
2. The responsibility for the carrying out of the conditions of this permit shall rest upon the owner, lessee, assignee, or other party in responsible managerial charge of the operation producing the wastewaters and of the waste treatment works herein approved, such responsibility passing with each succession in said control. Approval of a transfer of a permit shall not be effective to a new owner until a transfer has been executed and filed on forms provided by the Department and the transfer is approved by the Department.
3. The permittee shall secure any necessary permission from the proper federal authority for any outfall or industrial waste treatment structure which discharges into or enters navigable waters and shall obtain a separate permit for any stream crossing, encroachment or change of natural stream conditions coming within the jurisdiction of the Department.
4. The approval of the plans herein granted, and the authority granted in the permit, if not specifically extended, shall cease and be null and void two years from the date of this permit unless construction or modification of the works covered by said plans has begun on or before that date.
5. If at any time the industrial waste treatment works of the permittee, or any part thereof, or the discharge of the effluent therefrom, shall have created a public nuisance, or such discharge is causing or contributing to pollution of the waters of the Commonwealth, the permittee shall immediately adopt such remedial measures as are acceptable to the Department.
6. Nothing herein contained shall be construed to be an intent on the part of the Department to approve any act made or to be made by the permittee inconsistent with the permittee's lawful powers or with existing laws of the Commonwealth regulating industrial wastes and the practice of professional engineering, nor shall this permit be construed to sanction any act otherwise forbidden by any of the laws of the Commonwealth of Pennsylvania or of the United States.
7. The works shall be constructed under expert engineering supervision and competent inspection, and in accordance with plans, designs, and other data as herein approved or amended, and with the conditions of this permit.
8. The permittee shall maintain "as built" plans showing the correct plan of all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as built" and O&M manuals shall be filed with the Department.
9. The Department must be contacted if radical changes are proposed in the works herein approved. Proposed revisions which do not increase the rate of flow or increase pollutant concentrations in the effluent, the treatment processes or the point of discharge, may be approved by the Department upon submission of plans and specifications. All other revisions must be approved by a permit modification.
10. The local waterways patrolman of the Pennsylvania Fish and Boat Commission shall be notified when the construction of any stream crossing and/or outfall is started and completed. A permit must be secured from the Pennsylvania Fish and Boat Commission if the use of explosives is required. The permittee shall notify the local waterways patrolman when explosives are to be used.
11. To ensure operational efficiency, protect the waters of the Commonwealth, and insure the most effective and economical dosage when chemicals are used, the permittee is required to place the works, after completion, under the regular charge of a responsible plant official, and keep it in efficient operation under the control of the certified operator of the works or other qualified person.
12. The permittee shall maintain one or more skilled operators regularly on duty for such daily periods as the Department may direct.

13. No storm water, sewage or other industrial wastes not specifically approved herein, shall be admitted to the works for which this permit is issued, unless with the approval of the Department.

14. The various structures and apparatus of the industrial waste treatment works herein approved shall be maintained in proper condition so that they will individually and collectively perform the functions for which they were designed. In order to insure the efficacy and proper maintenance of the treatment works, the permittee shall make periodic inspections at sufficiently frequent intervals to detect any impairment of the structural stability, adequate capacity, or other requisites of the herein approved works which might impair their effectiveness, and shall take immediate steps to correct any such impairment found to exist.

15. No screenings, or settled or floated solids, shall be permitted to accumulate in sedimentation basins to a depth sufficient to interfere with the settling efficiency thereof. Any such material removed shall be handled and disposed of so that a nuisance is not created and so that every reasonable and practical precaution is taken to prevent the said material from reaching the waters of the Commonwealth, in accordance with applicable state and federal regulations regarding disposal of residuals.

16. No untreated or ineffectively treated wastewaters from any facility shall be discharged into the waters of the Commonwealth, and special care shall be used to prevent accidental "spills" or similar unusual discharges of all raw, finished and waste materials.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**STANDARD CONDITIONS RELATING TO EROSION AND SEDIMENT CONTROL**  
for Use in Water Quality Management Permits

1. By approval of the plans for which this permit is issued, neither the Department nor the Commonwealth of Pennsylvania assumes any responsibility for the feasibility of the plans or the measures and facilities to be constructed thereunder.
2. If at any time the erosion and sediment control activities undertaken pursuant to this permit or other activities carried out at the location is causing or contributing to pollution of the waters of the Commonwealth, the permittee shall forthwith adopt such remedial measures as are acceptable to the Department.
3. This permit does not authorize any earth disturbance controlled or regulated by an ordinance enacted by a local municipality. Additional permits must be secured from local municipalities where earthmoving activities are covered by such local ordinances.
4. At least seven days before earthmoving will begin, the permittee, by telephone or certified mail, shall notify the Department or its designee of the date for beginning of construction and invite the County Conservation District representative to attend a pre-construction conference. The permittee shall have his erosion control plan available at the activity at all times.
5. All earthmoving activities shall be undertaken in the manner set forth in the erosion and sediment control plan identified with this permit. Revisions to the plan shall be pre-approved by the Department or the conservation district.  
  
The erosion control measures and facilities shall be constructed under the supervision and competent inspection of an individual trained and experienced in erosion control, and in accordance with the plans, designs and other data as herein approved or amended, and with the conditions of this permit. Control facilities shall be frequently inspected and maintained to insure effective control.
7. When the herein approved erosion and sediment control measures and facilities are completed, the permittee shall notify the County Conservation District so that a final inspection of the measures and facilities may be made.
8. No storm water, sewage or other wastes not specifically approved herein, shall be admitted to the erosion and sediment control facilities for which this permit is issued.
9. Sediment shall at not time be permitted to accumulate in sedimentation basins to a depth that may limit storage capacity or interfere with the facility's settling efficiency. The sediment removed shall be handled and disposed of in a manner that will not create pollution problems and so that every reasonable and practical precaution is taken to prevent the said material from reaching the waters of the Commonwealth.
10. All slopes, channels, ditches or any disturbed area shall be stabilized as soon as possible after the final grade or final earthmoving has been completed. Where it is not possible to permanently stabilize a disturbed area immediately after the final earthmoving has been completed or where the activity ceases for more than 20 days, interim stabilization measures shall be implemented promptly.
11. Upon completion of the project, all areas which were disturbed by the project shall be stabilized so that accelerated erosion will be prevented. Any erosion and sediment control facility required or necessary to protect areas from erosion during the stabilization period shall be maintained until stabilization is completed. Upon completion of stabilization, all unnecessary or unusable control measures and facilities shall be removed, the areas shall be graded and the soils shall be stabilized.

12. The responsibility of carrying out the permit conditions or to assure that they are carried out shall rest with the permittee.

13. If the proposed earth disturbance is five acres or greater, the permittee shall comply with the NPDES General Permit for Stormwater Discharges from Construction Activities. An individual NPDES Storm Water Discharge Permit issued by the Department is required for any earth disturbance activities in waters designated as Special Protection at 25 PA Code Chapter 93.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER MANAGEMENT PROGRAM

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**NPDES PERMIT NO. PA PA0051926 Amendment No. 1**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Exelon Generation Company - Client ID No. 147686

is authorized to discharge from a facility located at

Limerick Generating Station - Site ID No. 475813

Evergreen and Sanatoga Roads

Pottstown, PA 19464

Municipality Limerick Township County Montgomery

to receiving waters named Schuylkill River, Possum Hollow Run, and Sanatoga Creek

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT, September 27, 2005**

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
3. Complete application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form.

In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports, will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED \_\_\_\_\_

ISSUED BY James Heald

DATE PERMIT AMENDMENT ISSUED 04/10/01

TITLE: Regional Manager

Water Management

DATE EFFECTIVE 05/01/01

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA00526  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 001, Latitude 40°13'13", Longitude 75°35'22", River Mile Index 48.01, Stream Code 00833

which receives waste water from cooling towers, spray pond, holding pond, treated radwaste, laundry drain, filter backwash and treated sewage.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							1/Week	Measured	
TOTAL SUSPENDED SOLIDS *				30	60	75	1/Week	24 HC	
TEMPERATURE			See Other Requirement No. 6			110°F	1/Week	i-s	
pH (STD UNIT)			6.0			9.0	1/Week	Grab	
TOTAL RESIDUAL OXIDANTS			See Other Requirements No. 9, 10, 11		0.2	0.5	1/Week	Grab	
SPECTRUS CT 1300 **				0.2	0.4	0.5	1/Week	Grab	
SPECTRUS NX 1104 **				0.2	0.4	0.5	1/Week	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001

\* These are net limits. See Other Requirement No. 7 to calculate net concentration. A time-weighted composite sample shall be collected during the use of Spectrus DT 1400 in cooling towers.

\*\* See Other Requirement No. 8.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA007 26  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 101 , Latitude 40°13'13" , Longitude 75°35'22" , River Mile Index 48.01 , Stream Code 00833
- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							1/Week	Measured	
CBOD <sub>5</sub>				25		50	1/Week	24 HC	
SUSPENDED SOLIDS				30		60	1/Week	24 HC	
FECAL COLIFORM	See Other Requirement No. 4			200			1/Week	Grab	
pH (STD UNIT)			6.0			9.0	1/Week	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Point 101.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA005 26  
Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 201 , Latitude 40°13'13" , Longitude 75°35'22" , River Mile Index 48.01 , Stream Code 00833

which receives waste water from holding pond contains non-hazardous/industrial wastes generated as part of routine plant operations, testing, and maintenance.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (GPD)							1/Week	Measured	
TOTAL SUSPENDED SOLIDS				30	100		2/Month	Grab	
OIL AND GREASE				15	20	30	2/Month	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Point 201.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES

Permit No. PA005 76  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 301 , Latitude 40°13'13" , Longitude 75°35'22" , River Mile Index 48.01 , Stream Code 00833

which receives waste water from radwaste treatment plant and laundrydrain collection system.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (GPD)							1/Week	Measured	
TOTAL SUSPENDED SOLIDS				30	100		*	Grab	
OIL AND GREASE				15	20	30	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Point 301.

\* During discharge of laundrydrain collection system.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA005 26  
Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 002 , Latitude 40°13'17" , Longitude 75°35'15" , River Mile Index 0.23 , Stream Code 01640  
 which receives stormwater from area around sewage treatment plant and service roads.
- For Outfall 004 , Latitude 40°13'18" , Longitude 75°35'07" , River Mile Index 0.30 , Stream Code 01640  
 which receives stormwater from fuel storage area.
- For Outfall 022 , Latitude 40°13'12" , Longitude 75°35'16" , River Mile Index 0.19 , Stream Code 01640  
 which receives stormwater from area around wastewater treatment plant and service roads.
- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Average Annual	Average Semi Annual	Maximum Daily	Minimum Measurement Frequency	Required Sample Type
CBOD <sub>5</sub>	Monitor/Report		Monitor/Report	1/Year	Grab
COD	Monitor/Report		Monitor/Report	1/Year	Grab
OIL AND GREASE	Monitor/Report		Monitor/Report	1/Year	Grab
pH	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL SUSPENDED SOLIDS	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL KJELDAHL NITROGEN	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL PHOSPHORUS	Monitor/Report		Monitor/Report	1/Year	Grab
IRON (DISSOLVED)	Monitor/Report		Monitor/Report	1/Year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):any one outfall.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005776

Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 003, Latitude 40°13'17", Longitude 75°35'14", River Mile Index 0.265, Stream Code 01640

which receives waste water from floor drains, chiller wastewater from condenser boxes associated with turbine unit 1 and stormwater from area around the unit.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Estimated	
TEMPERATURE						110°F	*	i-s	
TOTAL SUSPENDED SOLIDS				Monitor	Monitor	Monitor	*	Grab	
TOTAL RESIDUAL OXIDANTS					0.2	0.5	*	Grab	
SPECTRUS CT 1300				0.2	0.4	0.5	*	Grab	
SPECTRUS NX 1104				0.2	0.4	0.5	*	Grab	
pH (STD UNIT)			6.0			9.0	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 003

\* Sample during discharge through drain valve associated with the circulating water pumps.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005 26  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 005, Latitude 40°13'19", Longitude 75°35'05", River Mile Index 0.36, Stream Code 01640

which receives waste water from floor drains, chiller wastewater from condenser boxes associated with turbine unit 2 and stormwater from the area around turbine 2.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Estimated	
TEMPERATURE						110°F	*	i-s	
TOTAL SUSPENDED SOLIDS				Monitor	Monitor	Monitor	*	Grab	
TOTAL RESIDUAL OXIDANTS					0.2	0.5	*	Grab	
SPECTRUS CT 1300				0.2	0.4	0.5	*	Grab	
SPECTRUS NX 1104				0.2	0.4	0.5	*	Grab	
pH (STD UNIT)			6.0			9.0	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 005

\* Sample during discharge through drain valve associated with the circulating water pumps.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA00576  
Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 006 , Latitude 40°13'26" , Longitude 75°35'22" , River Mile Index 48.114 , Stream Code 00833  
which receives stormwater from maintenance area of metal shop and hardware.
- For Outfall 007 , Latitude 40°13'27" , Longitude 75°35'22" , River Mile Index 48.26 , Stream Code 00833  
which receives stormwater from area around health physics building, hardware shop and offices.
- For Outfall 008 , Latitude 40°13'28" , Longitude 75°35'23" , River Mile Index 48.322 , Stream Code 00833  
which receives stormwater from area around health physics building and electrical substation.
- For Outfall 009 , Latitude 40°13'29" , Longitude 75°35'25" , River Mile Index 48.341 , Stream Code 00833  
which receives stormwater from area around control building, instrumentation shop, and storage.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Average Annual	Average Semi Annual	Maximum Daily	Minimum Measurement Frequency	Required Sample Type
CBOD <sub>5</sub>	Monitor/Report		Monitor/Report	1/Year	Grab
COD	Monitor/Report		Monitor/Report	1/Year	Grab
OIL AND GREASE	Monitor/Report		Monitor/Report	1/Year	Grab
pH	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL SUSPENDED SOLIDS	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL KJELDAHL NITROGEN	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL PHOSPHORUS	Monitor/Report		Monitor/Report	1/Year	Grab
IRON (DISSOLVED)	Monitor/Report		Monitor/Report	1/Year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): any one outfall.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES

Permit No. PA005 06  
Amendment No. 1

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 010 , Latitude 40°13'15" , Longitude 75°35'22" , River Mile Index 48.114 , Stream Code 00833  
which receives stormwater from Schuylkill River intake water through makeup header drain.
  - a. The permittee is authorized to discharge during the period from issuance through expiration
  - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).
  - c. This discharge shall consist solely of Schuylkill River water from the makeup water header drain.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):not monitored.

DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005 '6  
Amendment No. 1

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 011 , Latitude 40°13'15" , Longitude 75°35'23" , River Mile Index 48.17 , Stream Code 00833  
which receives stormwater from intake screen backwash, Schuylkill River pump house pipe leakage, pump cooling water and air compressor's condensate.
  - a. The permittee is authorized to discharge during the period from issuance through expiration
  - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).
  - c. Debris collected on the intake trash racks shall not be returned to the Schuylkill River.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):not monitored.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES**

Permit No. PA005 6  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 012, Latitude 40°13'15", Longitude 75°35'23", River Mile Index 48.06, Stream Code 00833

which receives waste water from the dredging operation of the Schuylkill River Pump House and stormwater from service roads.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2r).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Annual	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Estimated	
OIL AND GREASE				Monitor/Report	Monitor/Report		*	Grab	
TOTAL SUSPENDED SOLIDS				Monitor/Report	Monitor/Report		*	Composite	
IRON DISSOLVED				Monitor/Report	Monitor/Report		*	Composite	
pH				Monitor/Report	Monitor/Report		*	Grab	
IRON, TOTAL				Monitor/Report	Monitor/Report		*	Composite	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 012

\* Shall be monitored daily during dredging operation. A composite sample means a composite sample collected during dredging operation.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA0051106  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 013 , Latitude 40°13'29" , Longitude 75°35'05" , River Mile Index 0.34 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
- For Outfall 014 , Latitude 40°13'26" , Longitude 75°34'59" , River Mile Index 0.378 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
- For Outfall 015 , Latitude 40°13'27" , Longitude 75°34'59" , River Mile Index 0.40 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
- For Outfall 016 , Latitude 40°13'28" , Longitude 75°34'51" , River Mile Index 0.435 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
- For Outfall 017 , Latitude 40°13'29" , Longitude 75°33'52" , River Mile Index 0.473 , Stream Code 01640  
 which receives stormwater from cooling tower drift loss, cooling tower screen wash and acid/chlorination storage area.
- For Outfall 018 , Latitude 40°13'30" , Longitude 75°34'53" , River Mile Index 0.51 , Stream Code 01640  
 which receives stormwater from yard drains.
- For Outfall 019 , Latitude 40°13'34" , Longitude 75°34'46" , River Mile Index 0.57 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
- For Outfall 030 , Latitude 40°20'00" , Longitude 75°37'34" , River Mile Index 0.23 , Stream Code 01641  
 which receives stormwater from yard drain

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the discharge shall consist solely of stormwater.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): No monitoring.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA005'06  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 021, Latitude 40°13'37", Longitude 75°35'25", River Mile Index 48.38, Stream Code 00833 which receives stormwater from cooling tower drift loss, cooling tower screen wash and acid/chlorination storage area.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Average Annual	Average Semi Annual	Maximum Daily	Minimum Measurement Frequency	Required Sample Type
CBOD <sub>5</sub>	Monitor/Report		Monitor/Report	1/Year	Grab
COD	Monitor/Report		Monitor/Report	1/Year	Grab
OIL AND GREASE	Monitor/Report		Monitor/Report	1/Year	Grab
pH	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL SUSPENDED SOLIDS	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL KJELDAHL NITROGEN	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL PHOSPHORUS	Monitor/Report		Monitor/Report	1/Year	Grab
IRON (DISSOLVED)	Monitor/Report		Monitor/Report	1/Year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 021.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA005' 5  
Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 020 , Latitude 40°13'29" , Longitude 75°34'50" , River Mile Index 0.436 , Stream Code 01640

which receives stormwater from Perkiomen Creek Makeup Storage Tank

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Instantaneous Minimum	Average Monthly	Instantaneous Maximum	Minimum Measurement Frequency	Required Sample Type
FLOW		Monitor/Report		Monthly	Calculated
TEMPERATURE			110°F	*	i-s
pH (STD UNIT)	6.0		9.0	Monthly	Grab
TOTAL SUSPENDED SOLIDS		Monitor/Report		*	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 020

\* Discharge of cooling tower blowdown through Outfall 020 shall be monitored once a week.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES**

Permit No. PA005 6  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 023 , Latitude 40°13'11" , Longitude 75°35'17" , River Mile Index 0.15 , Stream Code 01640

which receives waste water from cooling tower emergency overflow vent..

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Measured	
TOTAL SUSPENDED SOLIDS				Monitor/Report	Monitor/Report	Monitor/Report	*	Grab	
TEMPERATURE						110°F	*	i-s	
pH (STD UNIT)			6.0			9.0	*	Grab	
TOTAL RESIDUAL OXIDANTS					0.2	0.5	*	Grab	
SPECTRUS CT 1300				0.2	0.4	0.5	*	Grab	
SPECTRUS NX 1104				0.2	0.4	0.5	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 023

\* Sample during discharge.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONT'D)**

- c. All discharges of floating materials, oil, grease, scum and substances which produce tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected as to human, animal, plant or aquatic life.

Footnotes (Refer to Page 2 thru 2n)

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured, recorded and reported on the Discharge Monitoring Report Form.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports (DMRs) or supplemental DMRs unless specifically required on those forms to do so.

Supplemental Information

- (1) The effluent limitations for Outfall 001 were determined using an effluent discharge of 8.22 million gallons per day.
- (2) A 24-hour composite sample at Outfall 001 means a time-weighted composite sample.

## 2. DEFINITIONS

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations 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.
- d. "Average" refers to the use of an arithmetic mean, unless otherwise specified in this permit.
- e. "Geometric Average (mean)" means the average of a set of n sample results given by the n<sup>th</sup> root of their product.
- f. "Average monthly" discharge limitation means the highest allowable average of "daily values" over a calendar month, calculated as the sum of all "daily values" measured during a calendar month divided by the number of "daily values" measured during that month.
- g. "Average weekly" discharge limitation means the highest allowable average of "daily values" over a calendar week, calculated as the sum of all "daily values" measured during a calendar week divided by the number of "daily values" measured during that week.
- h. "Maximum daily" discharge limitation means the highest allowable "daily discharge."
- i. "Maximum any time" (or instantaneous maximum) means the level not to be exceeded, at any time, in any grab sample.
- j. "Composite Sample" (for all except GC/MS volatile organic analysis) means a combination of at least eight individual samples of at least 100 milliliters, each obtained at periodic intervals during the operating hours of a facility over a 24-hour period. The composite must be flow proportional, either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates, over the time period used to produce the composite.  
  
"Composite Sample for GC/MS volatile organic analysis" consists of at least four (rather than eight) aliquots or grab samples collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. The four samples are composited in the laboratory immediately before analysis, and only one analysis performed.  
  
The maximum time period between individual samples used for any "composite sample" shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).
- k. "Grab Sample" means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not to exceed 15 minutes.

- l. "I-S" means immersion stabilization - in which a calibrated device is immersed in the wastewater until the reading is stabilized.
- m. The "Daily Average" temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.
- n. "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- o. "At outfall XXX" means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line XXX, or where otherwise specified.
- p. "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.
- q. "Non-contact cooling water" means water used to reduce temperature, which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.  
  
Such water may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures contain small amounts of process chemicals: provided that all reasonable measures have been taken to prevent, reduce, eliminate, and control the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.
- r. "Toxic Pollutant" - Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will, on the basis of information available to the Department, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organisms or their offspring.
- s. "Hazardous substance" means any substance designated under 40 CFR Part 116, pursuant to Section 311 of the Clean Water Act.
- t. "Publicly Owned Treatment Works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act, which is owned by a State or Municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.
- u. "Industrial User" means an establishment which discharges or introduces industrial wastes into a Publicly Owned Treatment Works (POTW).
- v. "Total Dissolved Solids" means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.
- w. "Storm water associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- x. "Storm water" means storm water runoff, snow melt runoff and surface runoff and drainage.

- y. "Best Management Practices ("BMPs")" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "waters of the United States." BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3. SELF-MONITORING, REPORTING, AND RECORDKEEPING

a. Representative Sampling

- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) Records Retention

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years from the date of the sample measurement, report or application. The three-year period shall be extended as requested by the Department or the EPA Regional Administrator.

(3) Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (i) The exact place, date, and time of sampling or measurements;
- (ii) The person(s) who performed the sampling or measurements;
- (iii) The date(s) the analyses were performed;
- (iv) The person(s) who performed the analyses;
- (v) The analytical techniques or methods used; and the associated detection level; and
- (vi) The results of such analyses.

(4) Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in the permit.

(5) Quality Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- (a) Permittee or its designated laboratory shall participate in the periodic scheduled quality assurance inspections conducted by the Department and EPA.

- (b) The permittee or its designated laboratory shall develop and implement a program to assure the quality and accuracy of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136, Appendix A.

b. Reporting of Monitoring Results

- (1) The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
- (2) Unless instructed otherwise in Part C of this permit, monitoring results obtained each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR).
- (3) The completed DMR form shall be signed and certified either by the following applicable person (as defined in 40 CFR 122.22(a)) or by that person's duly authorized representative (as defined in 40 CFR 122.22(b)):
  - for a corporation - by a responsible corporate officer;
  - for a Partnership or Sole Proprietorship - by a general partner or the proprietor, respectively; and
  - for a Municipality, State, Federal or other public agency - by a principle executive officer or ranking elected official.

If signed by other than the above, written notification of delegation of DMR signatory authority must be submitted to the Department.

- (4) If the permittee monitors any pollutant, using analytical methods described in A.3.a(4) above, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. Reporting Requirements

- (1) Planned Changes - The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
  - (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in § 122.29(b); or
  - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under § 122.42(a)(1); or
  - (c) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

- (2) Anticipated Non-Compliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

(3) Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(4) Twenty-Four Hour Reporting

(a) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.

(b) The following shall be included as information which must be reported within 24 hours under this paragraph:

(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.

(ii) Any catastrophic event which causes the discharge to exceed effluent limitations in this permit.

(iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.

(c) The Department may waive the written report on a case-by-case basis for reports under paragraph C (4)(a) of this section if the oral report has been received within 24 hours.

(5) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs C (3), (4) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph C (4) of this section.

Compliance with reporting requirements under A.3.c. above, shall not excuse a person from immediate notification of incidents causing or threatening pollution pursuant to 25 Pa. Code 101.2.

d. Specific Toxic Substance Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Dischargers) - The permittee shall notify the Department as soon as it knows or has reason to believe the following:

(1) That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels:"

(a) One hundred micrograms per liter;

(b) Two hundred micrograms per liter for acrolein and acrylonitrile;

(c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol;

(d) One milligram per liter for antimony;

- (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application;
  - (f) Any other notification level established by the Department.
- (2) That any activity has occurred, or will occur, which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
- (a) Five hundred micrograms per liter;
  - (b) One milligram per liter for antimony;
  - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application;
  - (d) Any other notification level established by the Department.

## PART B

### 1. MANAGEMENT REQUIREMENTS

#### a. Compliance Schedules

- (1) The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in Part C of this permit.
- (2) The permittee shall submit reports of compliance or noncompliance with, or progress reports as applicable, any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

#### b. Permit Modification, Termination or Revocation and Reissuance

- (1) This permit may be modified, suspended or revoked in whole or in part during its term for causes including, not limited to, any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) In the absence of a Departmental action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

#### c. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.
- (4) Where the permittee is a POTW, the permittee shall provide adequate notice to the Department of the following:
  - (a) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging those pollutants.
  - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User, which was discharging into the POTW at the time of issuance of this permit.

- (c) Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW. The submission of the above information in the POTW's Annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94, will normally be considered as providing adequate notice to the Department, unless a more stringent time period is required by law, regulation or permit condition in which case the more stringent submission date shall apply.
- (d) The identity of Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the Industrial Users.
- (e) The POTW shall require all Industrial Users to comply with the reporting requirements of Sections 204(b), 307 and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

d. Facilities Operation

The permittee shall, at all times, maintain in good working order and properly operate and maintain all facilities and systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems, which are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

The permittee shall develop, install and maintain Best Management Practices to control or abate the discharge of pollutants when the practices are reasonably necessary to achieve the effluent limitations and standards in this permit or to carry out the purposes and intent of the Clean Water Act, or when required to do so by the Department.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

f. Bypassing

- (1) Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be violated, but only if the bypass is essential for maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c.

- (2) Other Bypassing - In all other situations, bypassing is prohibited unless all of the following conditions are met:
- (a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage;"
  - (b) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed (in the exercise of reasonable engineering judgement) to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
  - (c) The permittee submitted the necessary reports required under Part A.3.c.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three Conditions (a through c) listed above.

## 2. PENALTIES AND LIABILITY

### a. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative, and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality who violates any provision of this permit, any rule, regulation, or order of the Department, or any condition or limitation of any permit issued pursuant to the Clean Streams Law is subject to criminal and/or civil penalties, as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

### b. Falsifying Information

Any person who does any of the following:

Falsifies, tampers with or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit; or

Knowingly makes any false statement, representation or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or non-compliance);

shall, upon conviction, be punished by a fine and/or imprisonment, as set forth in 18 P.S. § 4904 and 40 CFR 122.41(j)(5) and (k)(2).

### c. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

d. Enforcement Proceedings

- (1) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity, in order to maintain compliance with the conditions of this permit.

3. OTHER RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of the Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (3) To inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- (4) To sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

b. Transfer of Permits

- (1) *Transfers by modification.* Except as provided in paragraph (2) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- (2) *Automatic transfers.* As an alternative to transfers under paragraph (1) of this section, any NPDES Permit may be automatically transferred to a new permittee if:
  - (a) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in paragraph (2)(b) of this section;
  - (b) The notice includes the appropriate Department transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and
  - (c) The Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (2)(b) of this section.

(5) In the event the Department does not approve transfer of the permit, the new owner or controller must submit a new permit application.

c. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

d. Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

**PART C**

**OTHER REQUIREMENTS**

1. Monitoring data required by this permit shall be submitted monthly. A Discharge Monitoring Report (DMR) properly completed and signed in accordance with Part A, Section 3.b.(3) of this permit, must be submitted within 28 days after the end of each monthly report period. Notification of the designation of the responsible operator must be submitted to the permitting agency by the permittee within 60 days after the effective date of the permit and from time to time thereafter as the operator is replaced. The DMR must be sent to:

Regional Manager  
Water Management  
Department of Environmental Protection  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

2. A copy of this Report should also be sent to the following agency(s):

Delaware River Basin Commission  
P.O. Box 7360  
West Trenton, New Jersey 08628

3. Water borne releases of radioactive material to unrestricted areas shall conform to criteria set forth in Title 10 Code of Federal Regulations Part 50 Appendix I – numerical guides for design objectives and limiting conditions for operation to meet the criterion "as low as is reasonably achievable" for radioactive material in light-water-cooled nuclear reactor effluents, as implemented through the environmental technical specifications for the facility.

The facility operator shall provide the Department with copies of reports specifying the quantities of radioactive material released to unrestricted areas in liquid/gaseous effluents.

The facility operator shall provide the Department with copies of reports of the results of environmental surveillance activities and other such reports as necessary for the estimation of the dose consequential to facility operation.

The above reports are to be forwarded to the following agency:

Pennsylvania Department of Environmental Protection  
Bureau of Radiation Protection  
13th Floor, Rachel Carson State Office Building  
P.O. Box 8469  
Harrisburg, PA 17105-8469

PART C

**OTHER REQUIREMENTS (continued)**

4. Effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration not greater than 200/100 ml of fecal coliform organisms as a geometric average value, nor greater than 1000/100 ml of these organisms in more than 10 percent of the samples tested.
5. This permit also authorizes the discharge of treated sewage until such time as facilities for conveyance and treatment at a more suitable location are installed and are capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with either the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewage Facilities Act, the Act of January 24, 1956, P.L. 1535, as amended, or a comprehensive Water Quality Management Plan as set forth in Section 91.31 of the Rules and Regulations of the Department. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of the sewage treatment plant thereby terminating the discharge authorized by this permit, and notify the Department accordingly. This permit shall then, upon notice from the Department, terminate and become null and void, and shall be relinquished to the Department.
6. The following requirements apply with respect to the thermal impact of the discharge from Outfall 001 upon the Schuylkill River.  
  
No rise when ambient temperature is 87°F or above; not more than a 5°F rise above ambient temperature until stream temperature reaches 87°F; not to be changed by more than 2°F during any one-hour period.
7. The permittee must calculate net suspended solids concentration in accordance with the worksheet attached to the permit.
8. Outfall 001 shall be sampled and analyzed for Spectrus CT 1300 and Spectrus NX No. 1104, on a weekly basis, with daily record keeping of the usage rates during use of the product. Methyl Orange method shall be used for Spectrus CT 1300 and Spectrus NX 1104 with a detection level of 0.2 mg/l.

PART C

**OTHER REQUIREMENTS (continued)**

9. The term total residual oxidants for water with bromides generated through the use of a chemical additive is defined as the value obtained using the amperometric method for total residual chlorine described in 40 C.F.R. Section 136. This method is described in Standard Methods as the “amperometric titration method.”
10. The term Maximum Daily Concentration as it relates to total residual oxidants (TRO) discharge means the average analysis made over a single period of TRO release which does not exceed two hours.
11. For Outfall 001, total residual oxidants may not be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge total residual oxidants at any one time unless the permittee can demonstrate to the Department that the units in a particular location cannot operate at or below this level of oxidants.
12. The additives and usage rate currently approved are the following:

<u>Name</u>	<u>Usage Rate lbs/day</u>	
	<u>Average Monthly</u>	<u>Maximum Daily</u>
Betz Dearborn Flogard MS 6210	Control through zinc limit	
Betz Dearborn Depositrol BL 5307	800	3850
Betz Dearborn Depositrol BL 5400	160	320
Betz Dearborn Depositrol PY 5204	1,450	2,850
Betz Dearborn Depositrol PY 5206	2,542	2,542
Betz Dearborn Spectus BD 1500	932	5,000
Betz Dearborn Spectus CT 1300	average monthly limit 0.2 mg/l at 001	
Betz Dearborn Spectus DT 1400	4,760	9,520
Betz Dearborn Spectus NX 1100	1	2
Betz Dearborn Spectus NX 1104	Not Detectable of 0.2 mg/l at 001	
Betz Dearborn Spectus OX 1201	1,900	1,990
Betz Dearborn Continuum AEC 3120	8	16
Betz Dearborn Inhibitor AZ 8104	380	380
Betz Dearborn Ferroquest LP 7200	600	600
Betz Dearborn Ferroquest LP7202	300	300
Betz Dearborn Foamtrol AF 1441	450	900
Sodium Hypochlorite	control through TRO	
Sulfuric Acid	control through pH	
Betz Dearborn Depositrol PY 5200	2,000	4,000

**PART C**

**OTHER REQUIREMENTS (continued)**

13. Chemical additives to control corrosion, scaling, algae, slime, fouling or oxygen, etc., and blowdown discharge rates shall be managed by the permittee to ensure that toxic effects in the receiving stream are prevented. These also include substances/compounds added to the wastewater such as polymers, water softeners, flocculents, coagulants, emulsion breakers, dispersants and oxygen scavengers.

Usage rates shall be consistent with the quantities and rates approved by the Department and shall be limited to the minimum amount necessary to accomplish the intended purposes of chemical addition.

Accurate usage records (name of additive, quantity added, date added) of any approved chemical additive and blowdown discharge volumes must be maintained on the Chemical Additive Reporting Form and kept on site by the permittee. To the maximum extent possible, sampling and laboratory analytical procedures for these chemicals are to conform with the "Sampling and Analytical Testing Instructions for Industrial Discharges" routinely used for completion of NPDES permit applications.

Whenever a change in chemical additive or increase in usage rates is desired by the permittee, a written notification shall be submitted to the Department at least sixty (60) days prior to the proposed use of the chemical. All required data must be provided on the form for each new or changed chemical additive or proposed change in the usage rate.

As a minimum, the following information must be provided on the whole product (if data on the whole product is not available, monitoring data for all active ingredients in the product shall be provided):

1. Trade names of additive.
2. Name and address of additive manufacturer.
3. Material Safety Data Sheet (MSDS) or other available information on mammalian or aquatic toxicological effects.
4. Bioassay data including the 96-hour LC50 on the whole product.
5. Proposed average and maximum additive usage rates in lbs/day.
6. A flow diagram showing the point of chemical addition and the affected outfalls.
7. The expected concentration of the product at the final outfall.
8. The product density for liquids (lb/gal) used to convert usage rate (gpd) to in-system concentrations (mg/l).
9. The analytical test method that could be used to verify final discharge concentrations when the product is in use and the associated minimum analytical detection level (mg/l).
10. Conditioned water discharge rate (blowdown rate) and duration (hours).
11. Available data on the degradation of or decomposition of the additive in the aquatic environment.

**PART C**

**OTHER REQUIREMENTS (continued)**

12. Any other data or information the permittee believes would be helpful to the Department in completing its review.

Based on the information presented, the Department will decide whether specific effluent limitations for one or more active ingredients or other control requirements are necessary. Where necessary, the Department may establish permit limits, require other controls or deny use of these chemicals. If the information is complete, use of the proposed chemical additive or usage rate will be considered approved 60 days after the date of notification to the Department. If the notification is incomplete or the Department notifies the permittee that the proposed usage rate will cause violations of water quality standards, the permittee will be advised that a permit amendment is required and would likely be denied. All such letters and notifications must be kept on site with the required daily chemical usage data.

Use of products or chemicals that contain one or more ingredients that are carcinogens is generally prohibited. Before proposing limited use of such products or chemicals, the permittee must thoroughly investigate the use of alternative products or chemicals to avoid the use of the carcinogens. If no alternatives are available, the permittee must submit written documentation as part of the information required above, that demonstrates to the satisfaction of the Department that no suitable alternatives are available and that any carcinogen in the proposed chemical or product will not be detectable in the final effluent using the most sensitive analytical method available. Based on the information presented, the Department will decide whether specific effluent limitations or other control requirements are necessary for the chemicals, and where necessary, establish permit limits, require other controls or deny use of these chemicals.

14. There shall be no discharge of polychlorinated biphenyl (PCB) compounds such as those commonly used for transformer fluid at any time.
15. Collected screenings, slurries, sludges, and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 287, 288, 289, 291, 297, and 299 (relating to permits and requirements for landfilling, land application, incineration, and storage of residual waste), Chapters 262, 263, and 264 (related to permits and requirements for landfilling and storage of hazardous sludge) and applicable Federal Regulations, the Federal Clean Water Act, RCRA and their amendments.
16. The Department may identify and require certain discharge specific data to be submitted before the expiration date of this permit. Upon notification by the Department, the permittee will have 12 months from the date of the notice to provide the required data. These data, along with any other data available to the Department, will be used in completing the Watershed TMDL/WLA Analysis and in establishing discharge effluent limits.

PART C

**OTHER REQUIREMENTS (continued)**

17. Requirements Applicable to Storm Water Only Outfall(s)

A. Prohibition of Non-Storm Water Discharges

1. Except as provided in A.2., all storm water outfall(s) shall be composed entirely of uncontaminated storm water.
2. The following non-storm water discharges may be authorized to be discharged through this outfall(s): discharges from fire fighting activities, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, air conditioning condensate, springs, uncontaminated groundwater and foundation or footing drains where flows are not contaminated with process materials such as solvents.
3. This permit does not authorize any discharge (stormwater or non-stormwater) which contains any pollutant which may cause or contribute to an impact on aquatic life or pose a substantial hazard to human health or the environment due to its quantity or concentration.
4. This permit does not authorize the discharge of any pollutant resulting from an on-site spill, any such occurrence is subject to Sections A.3.c of this permit.

B. Preparedness, Prevention and Contingency Plans

1. Development of Plan

Operators of facilities shall develop within 180 days a Preparedness, Prevention and Contingency (PPC) Plan in accordance with 25 Pa. Code Section 101.3 and the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" and "Supplemental Guidance for Development and Implementation of Preparedness, Prevention and Contingency (PPC) Plans Under The National Pollutant Discharge Elimination System (NPDES) Storm Water Permitting Program." The PPC plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility. In addition, the PPC Plan shall describe the implementation of practices, including best management practices (BMPs) which are to be used to reduce the pollutants in storm water discharges. BMP's include operating procedures and practices to control plant site runoff, spillage or leaks, sludges or waste disposal, or drainage from raw material storage.

**PART C**

**OTHER REQUIREMENTS (continued)**

2. Special Requirements for SARA Title III, Section 313 Facilities

- a. Facilities subject to SARA Title III, Section 313 shall include in the PPC Plan a description of releases to land or water of Section 313 water priority chemicals that have occurred within the last three years. Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations, outdoor storage activities, outdoor manufacturing or processing activities, significant dust or particulate generating process, and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; and history of significant leaks or spills of toxic or hazardous pollutants.
- b. **Engineering Certification.** No storm water PPC Plan for facilities subject to SARA Title III, Section 313 requirements for chemicals which are classified as "Section 313 Water Priority Chemicals" shall be effective unless it has been reviewed and certified by a Registered Professional Engineer.

3. Comprehensive Site Compliance Evaluations and Record Keeping

Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, in no case less than once a year. Such evaluations shall provide:

- a. Areas contributing to a storm water discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural storm water management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.

**PART C**

**OTHER REQUIREMENTS (continued)**

- b. Based on the results of the inspection, the description of potential pollutant sources identified in the PPC Plan, and pollution prevention measures and controls identified in the plan shall be revised as appropriate within fifteen (15) days of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than ninety (90) days after the inspection.

C. Storm Water Monitoring Requirements

1. Sampling Requirements

- a. For discharges from holding ponds or other impoundments with a retention period greater than 24 hours, (estimated by dividing the volume of the detention pond by the estimated volume of water discharged during the 24 hours previous to the time that the sample is collected) a minimum of one grab sample may be taken.
- b. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event.
- c. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge and the discharger shall submit on the Department form entitled, "Additional Information for the Reporting of Storm Water Discharge Monitoring," a description of why a grab sample during the first 30 minutes was impracticable.
- d. Samples taken in compliance with the monitoring requirements specified above shall be taken from the discharge at each outfall.

When a facility has two or more outfalls that, based on a consideration of features and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may test the effluent of one of such outfalls and report that the quantitative data also applies to the substantially identical outfalls. In addition, for each outfall that the permittee believes is representative, an estimate of the runoff coefficient of the drainage area (e.g. low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)) shall be provided.

PART C

OTHER REQUIREMENTS (continued)

2. Sampling Waiver

When the discharger is unable to collect samples due to adverse climatic conditions, the discharger must submit in lieu of sampling data a description of why samples could not be collected, including available documentation of the event. Adverse climatic conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.). This information shall be submitted on the attached Department form entitled, "Additional Information for the Reporting of Storm Water Discharge Monitoring." Dischargers are precluded from exercising this waiver more than once during a two-year period.

3. Annual Inspection

- a. Facilities with storm water discharges associated with industrial activity may conduct annual inspections of the facility in lieu of annual monitoring for the parameters listed on pages 2d and 2g of this permit.
- b. Where an annual inspection is conducted in lieu of annual monitoring, in addition to the Comprehensive Site Compliance Evaluation and Recordkeeping, the inspection shall include a visual inspection of sediment present in the outfalls associated with the facility subject to this permit, and where possible, an identification of substances present in the sediment. The annual inspection must identify area(s) contributing pollutant(s) to storm water discharge(s) and evaluate whether measures to reduce pollutant loadings identified in a Preparedness Prevention and Contingency (PPC) Plan are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are necessary. Any deficiencies found during the inspection shall be corrected within 90 days.

18. If, at anytime, the Department determines that the discharge permitted herein creates a public nuisance or causes environmental harm to the receiving water of the Commonwealth, the Department may require the permittee to adopt such remedial measures as will produce a satisfactory effluent. If the permittee fails to adopt such remedial measures within the time specified by the Department, the right to discharge herein granted shall, upon notice by the Department, cease and become null and void.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX ON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926			001			
PHILADELPHIA, PA 19101	PERMIT NUMBER			DISCHARGE NUMBER			
LIMERICK GENERATING STATION	MONITORING PERIOD						
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: LIMERICK TOWNSHIP							
COUNTY: MONTGOMERY							

Main Outfall

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS				
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX					
TOTAL SUSPENDED SOLIDS (NET)	Sample Measurement	XXXX	XXXX	XXXX	XXXX	30	60	MG/L		*	24 HC	
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		INST. MAX. 110	°F		1/WEEK
TEMPERATURE (EFFLUENT)	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L			1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		INST. MAX. 9.0	STD UNITS		1/WEEK
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX		MG/L				
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX					
pH	Sample Measurement	XXXX	XXXX	XXXX	6.0	XXXX		STD UNITS				
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX					
	Sample Measurement											
	Permit Requirement											
	Sample Measurement											
	Permit Requirement											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* A time-weighted composite sample shall be collected during the use of Spectrus DT 1400 in cooling towers.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

NAME: EXXON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET		PA0051926		001	
PHILADELPHIA, PA 19101		PERMIT NUMBER		DISCHARGE NUMBER	
LIMERICK GENERATING STATION		MONITORING PERIOD			
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS		YEAR	MO	DAY	TO
MUNICIPALITY: LIMERICK TOWNSHIP					
COUNTY: MONTGOMERY					

Main Outfall

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	0.2	0.4				
SPECTRUS NX 1104	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	0.2	0.4				
TEMPERATURE (RIVER INTAKE WATER)	Sample Measurement	XXXX	XXXX	XXXX	XXXX			°F		1/WEEK	I-S
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE	
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

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6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EXON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	101		
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER		
LIMERICK GENERATING STATION	MONITORING PERIOD			
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO	DAY	TO
MUNICIPALITY: LIMERICK TOWNSHIP				
COUNTY: MONTGOMERY				

Effluent from STP

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement			GPD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX				
CBOD5	Sample Measurement	XXXX	XXXX	XXXX	XXXX		XXXX	MG/L		1/WEEK	MEAS.
	Permit Requirement	XXXX	XXXX		XXXX	25	XXXX				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX		XXXX	MG/L		1/WEEK	24 HC
	Permit Requirement	XXXX	XXXX		XXXX	30	XXXX				
FECAL COLIFORM	Sample Measurement	XXXX	XXXX	XXXX	XXXX		XXXX	# COL/100 ML		1/WEEK	24 HC
	Permit Requirement	XXXX	XXXX		XXXX	200	XXXX				
pH	Sample Measurement	XXXX	XXXX	XXXX				STD		1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	6.0	XXXX		9.0		
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

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6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature, of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	201
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	DAY

Effluent from holding pond.

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	GPD	XXXX	XXXX	XXXX	XXXX		1/WEEK	MEAS.
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	30	100	MG/L		2/MONTH	GRAB
OIL AND GREASE	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	15	20	MG/L		2/MONTH	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
			AREA CODE	NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05 .

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
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12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: **EX JN GENERATION COMPANY**

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile  
Effluent from radwaste plant.

ADDRESS: <b>2301 MARKET STREET</b>		<b>PA0051926</b>		<b>301</b>				
<b>PHILADELPHIA, PA 19101</b>		PERMIT NUMBER		DISCHARGE NUMBER				
<b>LIMERICK GENERATING STATION</b>		MONITORING PERIOD						
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>		YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>								
COUNTY: <b>MONTGOMERY</b>								

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	GPD	XXXX	XXXX	XXXX	XXXX		1/WEEK	MEAS.
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	30	100	MG/L		*	GRAB
OIL AND GREASE	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	15	20	MG/L		*	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge of laundrydrain wastewater through radwaste treatment plant.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont.*" for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
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12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

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NAME: **EX ON GENERATION COMPANY**

AMENDMENT NO. 1

ADDRESS: <b>2301 MARKET STREET</b>	<b>PA0051926</b>	<b>* 002, 004, 022</b>	
<b>PHILADELPHIA, PA 19101</b>	PERMIT NUMBER	DISCHARGE NUMBER	
<b>LIMERICK GENERATING STATION</b>	MONITORING PERIOD		
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>	YEAR	MO	DAY
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>			
COUNTY: <b>MONTGOMERY</b>			

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUAL AVERAGE	MAXIMUM DAILY	UNITS			
CBOD <sub>5</sub>	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
COD	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
TOTAL KJELDAHL NITROGEN	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
TOTAL, PHOSPHORUS	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE	
					TYPE OR PRINT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Sample anyone of these outfalls.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

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2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
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11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
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### Legal Notice

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET		PA0051926		003	
PHILADELPHIA, PA 19101		PERMIT NUMBER		DISCHARGE NUMBER	
LIMERICK GENERATING STATION		MONITORING PERIOD			
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO	DAY	TO	YEAR MO DAY
MUNICIPALITY: LIMERICK TOWNSHIP					
COUNTY: MONTGOMERY					

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	DAILY MAXIMUM	UNITS			
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX				
TEMPERATURE	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		*	EST
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		*	I-S
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	MONITOR/REPORT		MONITOR/REPORT		
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	0.2		0.4		
SPECTRUS NX1104	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	0.2		0.4		
pH	Sample Measurement	XXXX	XXXX	XXXX		XXXX		STD		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	6.0	XXXX		INST. MAX. 9.0		
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05

SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge from drain valve associated with the circulating water pumps.

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	005
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	DAILY MAXIMUM	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	MGD	XXXX	XXXX	XXXX	XXXX		*	EST
TEMPERATURE	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		*	I-S
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L		*	GRAB
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L		*	GRAB
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		*	GRAB
SPECTRUS NX1104	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		*	GRAB
pH	Sample Measurement	XXXX	XXXX			XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	6.0	XXXX	INST. MAX. 9.0	STD		*	GRAB
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge from drain valve associated with the circulating water pumps.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPRO. D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET		PA0051926		* 006, 007, 008, 009				
PHILADELPHIA, PA 19101		PERMIT NUMBER		DISCHARGE NUMBER				
LIMERICK GENERATING STATION		MONITORING PERIOD						
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS		YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: LIMERICK TOWNSHIP								
COUNTY: MONTGOMERY								

Sample any one outfall.

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUAL AVERAGE	MAXIMUM DAILY	UNITS			
CBOD <sub>5</sub>	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	
COD	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR REPORT	MONITOR REPORT			1/YEAR	
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR REPORT	MONITOR REPORT			1/YEAR	
TOTAL KJELDAHL NITROGEN	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	
TOTAL, PHOSPHORUS	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE	
					TYPE OR PRINT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Sample anyone of these Outfalls.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

#### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

#### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

NAME: EX. JON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPRO. D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	012
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUALL AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX			*	EST
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			*	GRAB
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR REPORT	MONITOR REPORT			*	24 HC
IRON DISSOLVED	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			*	24 HC
IRON, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Requirement	XXXX	XXXX		XXXX	MONITOR REPORT	MONITOR REPORT			*	24 HC
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			STD			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			*	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Shall be monitored daily during dredging operation of the pumphouse.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

NAME: EX ON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPRC . .D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	021
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	DAY

Sample any one outfall.

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUALL AVERAGE	MAXIMUM DAILY			
CBOD <sub>5</sub>	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
COD	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
TOTAL KJELDAHL NITROGEN	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
TOTAL, PHOSPHORUS	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L	1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE

NUMBER

DATE

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05

SUBMIT RENEWAL BY 03/27/05

\* Sample anyone of these Outfalls.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

#### General Instructions

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3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
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6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont." for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

#### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: **EX. ON GENERATION COMPANY**

AMENDMENT NO. 1

FORM APPRC **LD**,  
OMB NO. 2040-0004,  
Southeast Region Facsimile

ADDRESS: <b>2301 MARKET STREET</b>	<b>PA0051926</b>	<b>020</b>	
<b>PHILADELPHIA, PA 19101</b>	PERMIT NUMBER	DISCHARGE NUMBER	
<b>LIMERICK GENERATING STATION</b>	MONITORING PERIOD		
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>	YEAR	MO	DAY
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>			
COUNTY: <b>MONTGOMERY</b>			

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM INST.	UNITS			
FLOW	Sample Measurement			GPD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX				
TEMPERATURE	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		1/MONTH	CALC
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX		XXXX	MG/L		*	I-S
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	MONITOR/REPORT		XXXX		
pH	Sample Measurement	XXXX	XXXX	XXXX				STD			
	Permit Requirement	XXXX	XXXX		XXXX	6.0	XXXX		9.0		
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

TYPE OR PRINT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Discharge of cooling tower blowdown through Outfall 020 shall be monitored once a week.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

NAME: **EVERGREEN GENERATION COMPANY**

AMENDMENT NO. 1

FORM APPRC D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: <b>2301 MARKET STREET</b>	<b>PA0051926</b>	<b>023</b>
<b>PHILADELPHIA, PA 19101</b>	PERMIT NUMBER	DISCHARGE NUMBER
<b>LIMERICK GENERATING STATION</b>	MONITORING PERIOD	
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>	YEAR	MO
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>	DAY	TO
COUNTY: <b>MONTGOMERY</b>	YEAR	MO
	DAY	

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	MGD	XXXX	XXXX	XXXX	XXXX		*	MEAS
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L		*	GRAB
TEMPERATURE	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		*	I-S
pH	Sample Measurement	XXXX	XXXX			XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	6.0	XXXX	INST. MAX. 9.0	STD		*	GRAB
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L		*	GRAB
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		*	GRAB
SPECTRUS NX 1104	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		*	GRAB
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

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6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
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**WORKSHEET FOR THE DETERMINATION  
OF  
NET SUSPENDED SOLIDS CONCENTRATION AT OUTFALL 001  
PERMIT NO. PA0051926 AMENDMENT NO. 1**

1. Prepare a composite representative sample by collecting grab samples every two hours from the Cooling Tower No. 1 during the period when the chemical additive Sectrus DT 1400 is in use. Analyze this composite representative sample for TSS.  
**(Call it TSS1)**
  
2. Repeat step 1 for the Cooling Tower No. 2 and analyze for total suspended solids.  
**(Call it TSS2)**
  
3. Calculate the average blow down rate for Cooling Tower No. 1 during the sampling time period.  
**(Call it Q1)**
  
4. Repeat step 3 for the Cooling Tower No. 2 to determine the average blow down rate for the Cooling Tower No. 2 during the sampling time period.  
**(Call it Q2)**
  
5. Use the following equation to calculate the total suspended solid level in the Cooling Towers:

$$[ \text{TSS1} \times \text{Q1} + \text{TSS2} \times \text{Q2} ] / [ \text{Q1} + \text{Q2} ] = \text{C1}$$

6. Prepare a composite representative sample by collecting grab samples at Outfall 001. Analyze for total suspended solid.  
**(Call it TSS)**
  
7. Calculate Net TSS using the following equation:

$$\text{Net TSS} = \text{TSS} - \text{C1}$$

**NOTE:**

**For computing averages for DMR reporting and for determining permit compliance, all "less than zero" results must be counted as zero values.**

(SMC00)70-4G

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER MANAGEMENT PROGRAM

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**NPDES PERMIT NO. PA 0052221  
Amendment No. 2**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

**Exelon Generation Company - Client ID No. 147686**

is authorized to discharge from a facility located at

**Bradshaw Reservoir - Site ID No. 452264**

**Elephant Road and Central School Road**

**Bedminster, PA 18944**

Municipality **Bedminster Township** County **Bucks**

to receiving waters named **East Branch Perkiomen Creek**

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT, 11/09/2003**

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
3. Complete application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form.

In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports, will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED \_\_\_\_\_

ISSUED BY *James Heald*

DATE PERMIT AMENDMENT ISSUED 04/10/01

TITLE: Regional Manager  
Water Management

DATE EFFECTIVE 05/01/01

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**  
**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

Permit No. PA07 221  
 Amendment No. 2

1. For Outfall 001, Latitude 40°24'45", Longitude 75°13'21", River Mile Index 23.57, Stream Code 01168

which receives waste water from Bradshaw Reservoir

- a. The permittee is authorized to discharge during the period from issuance through expiration  
 b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2a).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Minimum Daily Avg.	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							Continuous	Recorded	
DISSOLVED OXYGEN * (5-1 to 9-30)			5.0	Monitor/ Report	6.0	Monitor/ Report	5/Month	Grab	
FECAL COLIFORM ** (5-1 to 9-30)				200 # col/ 100ml			1/Month	Grab	
pH * (STD UNITS) (5-1 to 9-30)			6.0			9.0	5/Month	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001

\* Sample shall be collected during fecal coliform sampling. \*\* Also, see Footnote "d" on page 2a.

Re 30 (GJC98)167-6e

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONT'D)**

- c. All discharges of floating materials, oil, grease, scum and substances which produce tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected as to human, animal, plant or aquatic life.
- d. The permittee shall provide for effective disinfection of this discharge to control disease-producing organisms. During the swimming season (May 1<sup>st</sup> through September 30<sup>th</sup>), the maximum fecal coliform level shall be a geometric mean of 200 per 100 milliliters (ml), based on five consecutive samples each sample collected on different days.

Footnotes (Refer to page 2)

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured, recorded and reported on the Discharge Monitoring Report Form.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports (DMRs) or supplemental DMRs unless specifically required on those forms to do so.

## 2. DEFINITIONS

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations 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.
- d. "Average" refers to the use of an arithmetic mean, unless otherwise specified in this permit.
- e. "Geometric Average (mean)" means the average of a set of n sample results given by the n<sup>th</sup> root of their product.
- f. "Average monthly" discharge limitation means the highest allowable average of "daily values" over a calendar month, calculated as the sum of all "daily values" measured during a calendar month divided by the number of "daily values" measured during that month.
- g. "Average weekly" discharge limitation means the highest allowable average of "daily values" over a calendar week, calculated as the sum of all "daily values" measured during a calendar week divided by the number of "daily values" measured during that week.
- h. "Maximum daily" discharge limitation means the highest allowable "daily discharge."
- i. "Maximum any time" (or instantaneous maximum) means the level not to be exceeded, at any time, in any grab sample.
- j. "Composite Sample" (for all except GC/MS volatile organic analysis) means a combination of at least eight individual samples of at least 100 milliliters, each obtained at periodic intervals during the operating hours of a facility over a 24-hour period. The composite must be flow proportional, either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates, over the time period used to produce the composite.  
  
"Composite Sample for GC/MS volatile organic analysis" consists of at least four (rather than eight) aliquots or grab samples collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. The four samples are composited in the laboratory immediately before analysis, and only one analysis performed.  
  
The maximum time period between individual samples used for any "composite sample" shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).
- k. "Grab Sample" means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not to exceed 15 minutes.

- l. - "I-S" means immersion stabilization - in which a calibrated device is immersed in the wastewater until the reading is stabilized.
- m. The "Daily Average" temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.
- n. "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- o. "At outfall XXX" means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line XXX, or where otherwise specified.
- p. "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.
- q. "Non-contact cooling water" means water used to reduce temperature, which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.  
  
Such water may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures contain small amounts of process chemicals: provided that all reasonable measures have been taken to prevent, reduce, eliminate, and control the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.
- r. "Toxic Pollutant" - Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will, on the basis of information available to the Department, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organisms or their offspring.
- s. "Hazardous substance" means any substance designated under 40 CFR Part 116, pursuant to Section 311 of the Clean Water Act.
- t. "Publicly Owned Treatment Works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act, which is owned by a State or Municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.
- u. "Industrial User" means an establishment which discharges or introduces industrial wastes into a Publicly Owned Treatment Works (POTW).
- v. "Total Dissolved Solids" means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.
- w. "Storm water associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- x. "Storm water" means storm water runoff, snow melt runoff and surface runoff and drainage.

- y. "Best Management Practices ("BMPs")" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "waters of the United States." BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3. SELF-MONITORING, REPORTING, AND RECORDKEEPING

a. Representative Sampling

- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) Records Retention

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years from the date of the sample measurement, report or application. The three-year period shall be extended as requested by the Department or the EPA Regional Administrator.

(3) Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (i) The exact place, date, and time of sampling or measurements;
- (ii) The person(s) who performed the sampling or measurements;
- (iii) The date(s) the analyses were performed;
- (iv) The person(s) who performed the analyses;
- (v) The analytical techniques or methods used; and the associated detection level; and
- (vi) The results of such analyses.

(4) Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in the permit.

(5) Quality Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- (a) Permittee or its designated laboratory shall participate in the periodic scheduled quality assurance inspections conducted by the Department and EPA.

- (b) The permittee or its designated laboratory shall develop and implement a program to assure the quality and accuracy of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136, Appendix A.

b. Reporting of Monitoring Results

- (1) The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
- (2) Unless instructed otherwise in Part C of this permit, monitoring results obtained each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR).
- (3) The completed DMR form shall be signed and certified either by the following applicable person (as defined in 40 CFR 122.22(a)) or by that person's duty authorized representative (as defined in 40 CFR 122.22(b)):
- for a corporation - by a responsible corporate officer;
  - for a Partnership or Sole Proprietorship - by a general partner or the proprietor, respectively; and
  - for a Municipality, State, Federal or other public agency - by a principle executive officer or ranking elected official.

If signed by other than the above, written notification of delegation of DMR signatory authority must be submitted to the Department.

- (4) If the permittee monitors any pollutant, using analytical methods described in A.3.a(4) above, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. Reporting Requirements

- (1) Planned Changes - The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
- (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in § 122.29(b); or
  - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under § 122.42(a)(1); or
  - (c) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- (2) Anticipated Non-Compliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

(3) Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(4) Twenty-Four Hour Reporting

- (a) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.
- (b) The following shall be included as information which must be reported within 24 hours under this paragraph:
- (i) Any unanticipated bypass which exceeds any effluent limitation in the permit.
  - (ii) Any catastrophic event which causes the discharge to exceed effluent limitations in this permit.
  - (iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.
- (c) The Department may waive the written report on a case-by-case basis for reports under paragraph C (4)(a) of this section if the oral report has been received within 24 hours.

(5) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs C (3), (4) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph C (4) of this section.

Compliance with reporting requirements under A.3.c. above, shall not excuse a person from immediate notification of incidents causing or threatening pollution pursuant to 25 Pa. Code 101.2.

d. Specific Toxic Substance Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Dischargers) - The permittee shall notify the Department as soon as it knows or has reason to believe the following:

- (1) That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels:"
- (a) One hundred micrograms per liter;
  - (b) Two hundred micrograms per liter for acrolein and acrylonitrile;
  - (c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol;
  - (d) One milligram per liter for antimony;

- (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application;
  - (f) Any other notification level established by the Department.
- (2) That any activity has occurred, or will occur, which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
- (a) Five hundred micrograms per liter;
  - (b) One milligram per liter for antimony;
  - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application;
  - (d) Any other notification level established by the Department.

## PART B

### 1. MANAGEMENT REQUIREMENTS

#### a. Compliance Schedules

- (1) The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in Part C of this permit.
- (2) The permittee shall submit reports of compliance or noncompliance with, or progress reports as applicable, any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

#### b. Permit Modification, Termination or Revocation and Reissuance

- (1) This permit may be modified, suspended or revoked in whole or in part during its term for causes including, not limited to, any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) In the absence of a Departmental action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

#### c. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.
- (4) Where the permittee is a POTW, the permittee shall provide adequate notice to the Department of the following:
  - (a) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging those pollutants.
  - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User, which was discharging into the POTW at the time of issuance of this permit.

- (c) Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW. The submission of the above information in the POTW's Annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94, will normally be considered as providing adequate notice to the Department, unless a more stringent time period is required by law, regulation or permit condition in which case the more stringent submission date shall apply.
- (d) The identity of Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the Industrial Users.
- (e) The POTW shall require all Industrial Users to comply with the reporting requirements of Sections 204(b), 307 and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

d. Facilities Operation

The permittee shall, at all times, maintain in good working order and properly operate and maintain all facilities and systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems, which are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

The permittee shall develop, install and maintain Best Management Practices to control or abate the discharge of pollutants when the practices are reasonably necessary to achieve the effluent limitations and standards in this permit or to carry out the purposes and intent of the Clean Water Act, or when required to do so by the Department.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

f. Bypassing

- (1) Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be violated, but only if the bypass is essential for maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c.

- (2) Other Bypassing - In all other situations, bypassing is prohibited unless all of the following conditions are met:
- (a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage;"
  - (b) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed (in the exercise of reasonable engineering judgement) to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
  - (c) The permittee submitted the necessary reports required under Part A.3.c.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three Conditions (a through c) listed above.

## 2. PENALTIES AND LIABILITY

### a. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative, and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality who violates any provision of this permit, any rule, regulation, or order of the Department, or any condition or limitation of any permit issued pursuant to the Clean Streams Law is subject to criminal and/or civil penalties, as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

### b. Falsifying Information

Any person who does any of the following:

Falsifies, tampers with or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit; or

Knowingly makes any false statement, representation or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or non-compliance);

shall, upon conviction, be punished by a fine and/or imprisonment, as set forth in 18 P.S. § 4904 and 40 CFR 122.41(j)(5) and (k)(2).

### c. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

d. Enforcement Proceedings

- (1) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity, in order to maintain compliance with the conditions of this permit.

3. OTHER RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of the Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (3) To inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- (4) To sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

b. Transfer of Permits

- (1) *Transfers by modification.* Except as provided in paragraph (2) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- (2) *Automatic transfers.* As an alternative to transfers under paragraph (1) of this section, any NPDES Permit may be automatically transferred to a new permittee if:
  - (a) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in paragraph (2)(b) of this section;
  - (b) The notice includes the appropriate Department transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and
  - (c) The Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (2)(b) of this section.

(5) In the event the Department does not approve transfer of the permit, the new owner or controller must submit a new permit application.

c. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

d. Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

**PART C**

**OTHER REQUIREMENTS**

1. Monitoring data required by this permit shall be submitted monthly. A Discharge Monitoring Report (DMR) properly completed and signed in accordance with Part A, Section 3.b.(3) of this permit, must be submitted within 28 days after the end of each monthly report period. Notification of the designation of the responsible operator must be submitted to the permitting agency by the permittee within 60 days after the effective date of the permit and from time to time thereafter as the operator is replaced. The DMR must be sent to:

Regional Manager  
Water Management  
Department of Environmental Protection  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

2. A copy of this Report should also be sent to the following agency(s):

Bucks County Health Department  
Neshaminy Manor Center  
Doylestown, PA 18901

3. No chemical addition for control of corrosion, scaling, algae, slime, fouling or oxygen, etc., shall be made to the cooling or boiler water system, which has a discharge covered by this permit, without approval by the Department.
4. The Department may identify and require certain discharge specific data to be submitted before the expiration date of this permit. Upon notification by the Department, the permittee will have 12 months from the date of the notice to provide the required data. These data, along with any other data available to the Department, will be used in completing the Watershed TMDL/WLA Analysis and in establishing discharge effluent limits.

PART C

**OTHER REQUIREMENTS**

5. In addition to the effluent limitations and monitoring requirements set forth on page 2 of the permit, a grab sample, at a frequency of at least once a year, shall also be collected at the Outfall 001 and be analyzed for the following pollutants using test methods contained in 40 C.F.R. Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants" or any approved Test Method(s) of equal or greater sensitivity:

**Parameters**

Aluminum, Total  
Cadmium, Total  
Chromium, Hexavalent  
Copper, Total  
Cyanide, Free  
Iron, Dissolved  
Iron, Total  
Lead, Total  
Mercury, Total  
Nickel, Total  
Phenolics, Total  
Silver, Total  
Zinc, Total

The results must be submitted to the Department on the Discharge Monitoring Report form.

6. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.

Re 30 (GJC98)167-6b

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EXELON GENERATION COMPANY

Amendment No. 2

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 200 EXELON WAY	PA0052221	001
KENNETT SQUARE, PA 19348	PERMIT NUMBER	DISCHARGE NUMBER
FAC. ADDRESS: BRADSHAW RESERVOIR RELEASE TO	MONITORING PERIOD	
CREEK AT CENTRAL SCHOOL/ELEPHANT ROADS	YEAR	MO
MUNICIPALITY: BEDMINSTER TOWNSHIP	DAY	TO
COUNTY: BUCKS	YEAR	MO
	DAY	

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE MONTHLY	MAXIMUM DAILY	UNITS	MINIMUM INST.	AVERAGE MONTHLY	MINIMUM DAILY AVG.	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	MGD	XXXX	XXXX	XXXX	XXXX		CONTINUOUS	RECORDED
DISSOLVED OXYGEN (5-1 to 9-30)	Sample Measurement	XXXX	XXXX								
	Permit Requirement	XXXX	XXXX	XXXX	5.0	MONITOR/REPORT	6.0	MG/L		5/MONTH	GRAB
FECAL COLIFORM (5-1 to 9-30)	Sample Measurement	XXXX	XXXX		XXXX		XXXX				
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	200	XXXX	# COL/100ML		1/MONTH	GRAB
pH (5-1 to 9-30)	Sample Measurement	XXXX	XXXX			XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	6.0	XXXX	INST. MAX. 9.0	STD		5/MONTH	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 11/09/2003 SUBMIT RENEWAL BY 05/09/2003

### Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

NAME: EXELON GENERATION COMPANY

ADDRESS: 200 EXELON WAY

KENNETT SQUARE, PA 19348

FAC. ADDRESS: BRADSHAW RESERVOIR RELEASE TO

CREEK AT CENTRAL SCHOOL/ELEPHANT ROADS

MUNICIPALITY: BEDMINSTER TOWNSHIP

COUNTY: BUCKS

PA0052221

PERMIT NUMBER

001

DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
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FORM APPROVED.

OMB NO. 2040-0004.

Southeast Region Facsimile

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY	UNITS			
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
PHENOLICS, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
IRON, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
ALUMINUM, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
CADMIUM, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
MERCURY, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
NICKEL, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE

TELEPHONE

NUMBER

1/YEAR

GRAB

DATE

YEAR

MO

DAY

TYPE OR PRINT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 11/09/03

SUBMIT RENEWAL BY 05/09/03

### Paperwork Reduction Act Notice

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### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
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11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Amendment No. 2

NAME: EXELON GENERATION COMPANY

ADDRESS: 200 EXELON WAY

KENNETT SQUARE, PA 19348

FAC. ADDRESS: BRADSHAW RESERVOIR RELEASE TO

CREEK AT CENTRAL SCHOOL/ELEPHANT ROADS

MUNICIPALITY: BEDMINSTER TOWNSHIP

COUNTY: BUCKS

PA0052221

PERMIT NUMBER

001

DISCHARGE NUMBER

MONITORING PERIOD

YEAR MO DAY TO YEAR MO DAY

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY	UNITS			
ZINC, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				1/YEAR
CHROMIUM-HEXAVALENT	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				1/YEAR
COPPER, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				1/YEAR
LEAD, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				1/YEAR
SILVER, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				1/YEAR
CYANIDE, FREE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				1/YEAR
	Sample										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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TYPE OR PRINT

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE

TELEPHONE

NUMBER

DATE

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES

11/09/03

SUBMIT RENEWAL BY

05/09/03

### Paperwork Reduction Act Notice

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1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

**WATER QUALITY MANAGEMENT PERMIT**

<b>A. PERMITTEE (Name &amp; Address):</b> Exelon Generation Company - Client ID No. 147686 200 Exelon Way Kennett Square, PA 19348	
<b>B. PROJECT (Name, County, Municipality)</b> Bradshaw Reservoir Release - Site ID No. 452264 Bedminster Industrial Park Bedminster Township, Bucks County	
<b>C. THIS:</b>	<u>      </u> Permit <u>      </u> <b>X</b> Permit Amendment
<b>APPROVES:</b>	The construction/operation of: <u>      </u> Modification(s) to the construction/operation of:
<u>      </u> Sewage Treatment Facilities	<u>      </u> <b>X</b> Industrial Waste Treatment Facilities
<u>      </u> Land Application Facilities	<u>      </u> Other: <u>Permit Transfer</u>
<u>      </u> Average Design Flow of <u>17.5 to 42</u> MGD consisting of: <u>ozone disinfection and</u>	<u>      </u> <b>diffusers.</b>
<u>      </u> Sewers and Appurtenances	<u>      </u> Pump Station(s)
<u>      </u> Impoundment(s)	<u>      </u> Injection Well(s)
<u>      </u> Soil Erosion & Sedimentation Control Plan	<u>      </u> Outfall & Headwall(s)
<u>      </u> Stream Crossing(s)	<u>      </u>
<b>D. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:</b>	
a. All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit/Permit Amendment Application dated <u>10/17/00</u> , its supporting documentation, and addendums dated <u>      </u> . Such application, its supporting documentation and addendums are hereby made a part of this permit.	
b. Water Quality Management Permit No. <u>0989206</u> dated <u>12/18/89</u> and conditions, supporting documentation and addendums are (except for any modifications to the original permit herein permitted) also made a part of this permit amendment.	
2. Conditions numbered <u>2-10, 13, 14, 16</u> of the <u>Industrial Waste</u> standard conditions dated <u>9/98</u> and conditions numbered <u>1 thru 13</u> of the erosion control standard conditions dated <u>9/98</u> are attached and made part of this permit.	
3. Special conditions numbered <u>I, II</u> are attached and made part of this permit.	
<b>E. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</b>	
1. If there is a conflict between the application or its supporting documents and amendments and the standard or special conditions, the standard or special conditions shall apply.	
2. Failure to comply with the rules and regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit.	
3. This permit is issued pursuant to the Clean Stream law Act of June 22, 1937, P.L. 1987, <u>as amended</u> 35 P.S. § 691.1 <u>et seq.</u> , and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, <u>as amended</u> , 32 P.S. § 693.1 <u>et seq.</u> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.	
4. Industrial Facilities - If the herein permitted facilities or modifications are not completed with two (2) years of the issue date below, this permit will become null and void and reapplication shall be required.	
<b>PERMIT ISSUED:</b> DATE <u>      </u>	<b>DEPARTMENT OF ENVIRONMENTAL PROTECTION</b>
<b>AMENDMENT ISSUED:</b> DATE <u>April 10, 2001</u>	BY: <u>James Hendolt</u>
	TITLE: <u>Regional Manager, Water Management</u>

**Industrial Waste Permit No. 0989206 Amendment No. 1  
Exelon Generation Company  
Bedminster Township, Bucks County**

**This permit is subject to the following Special Condition(s):**

- I. The Authority granted by this permit is subject to all effluent requirements, and other conditions, as set forth in Parts A, B, and C of the Part I Discharge Permit No. PA0052221 Amendment No. 2. No discharge is authorized for these facilities unless approved by a Part I Permit.
- II. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.

Re 30 (SMC01)67-10B

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**STANDARD CONDITIONS RELATING TO INDUSTRIAL WASTES**  
**For Use In Water Quality Management Permits**

1. All relevant and non-superseded conditions of any prior water quality management permits, decrees, or orders issued to the permittee or his predecessor shall be continued in full force and effect and together with the provisions of this permit shall apply to his successors, lessees, heirs and assigns.
2. The responsibility for the carrying out of the conditions of this permit shall rest upon the owner, lessee, assignee, or other party in responsible managerial charge of the operation producing the wastewaters and of the waste treatment works herein approved, such responsibility passing with each succession in said control. Approval of a transfer of a permit shall not be effective to a new owner until a transfer has been executed and filed on forms provided by the Department and the transfer is approved by the Department.
3. The permittee shall secure any necessary permission from the proper federal authority for any outfall or industrial waste treatment structure which discharges into or enters navigable waters and shall obtain a separate permit for any stream crossing, encroachment or change of natural stream conditions coming within the jurisdiction of the Department.
4. The approval of the plans herein granted, and the authority granted in the permit, if not specifically extended, shall cease and be null and void two years from the date of this permit unless construction or modification of the works covered by said plans has begun on or before that date.
5. If at any time the industrial waste treatment works of the permittee, or any part thereof, or the discharge of the effluent therefrom, shall have created a public nuisance, or such discharge is causing or contributing to pollution of the waters of the Commonwealth, the permittee shall immediately adopt such remedial measures as are acceptable to the Department.
6. Nothing herein contained shall be construed to be an intent on the part of the Department to approve any act made or to be made by the permittee inconsistent with the permittee's lawful powers or with existing laws of the Commonwealth regulating industrial wastes and the practice of professional engineering, nor shall this permit be construed to sanction any act otherwise forbidden by any of the laws of the Commonwealth of Pennsylvania or of the United States.
7. The works shall be constructed under expert engineering supervision and competent inspection, and in accordance with plans, designs, and other data as herein approved or amended, and with the conditions of this permit.
8. The permittee shall maintain "as built" plans showing the correct plan of all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as built" and O&M manuals shall be filed with the Department.
9. The Department must be contacted if radical changes are proposed in the works herein approved. Proposed revisions which do not increase the rate of flow or increase pollutant concentrations in the effluent, the treatment processes or the point of discharge, may be approved by the Department upon submission of plans and specifications. All other revisions must be approved by a permit modification.
10. The local waterways patrolman of the Pennsylvania Fish and Boat Commission shall be notified when the construction of any stream crossing and/or outfall is started and completed. A permit must be secured from the Pennsylvania Fish and Boat Commission if the use of explosives is required. The permittee shall notify the local waterways patrolman when explosives are to be used.
11. To ensure operational efficiency, protect the waters of the Commonwealth, and insure the most effective and economical dosage when chemicals are used, the permittee is required to place the works, after completion, under the regular charge of a responsible plant official, and keep it in efficient operation under the control of the certified operator of the works or other qualified person.
12. The permittee shall maintain one or more skilled operators regularly on duty for such daily periods as the Department may direct.

13. No storm water, sewage or other industrial wastes not specifically approved herein, shall be admitted to the works for which this permit is issued, unless with the approval of the Department.

14. The various structures and apparatus of the industrial waste treatment works herein approved shall be maintained in proper condition so that they will individually and collectively perform the functions for which they were designed. In order to insure the efficacy and proper maintenance of the treatment works, the permittee shall make periodic inspections at sufficiently frequent intervals to detect any impairment of the structural stability, adequate capacity, or other requisites of the herein approved works which might impair their effectiveness, and shall take immediate steps to correct any such impairment found to exist.

15. No screenings, or settled or floated solids, shall be permitted to accumulate in sedimentation basins to a depth sufficient to interfere with the settling efficiency thereof. Any such material removed shall be handled and disposed of so that a nuisance is not created and so that every reasonable and practical precaution is taken to prevent the said material from reaching the waters of the Commonwealth, in accordance with applicable state and federal regulations regarding disposal of residuals.

16. No untreated or ineffectively treated wastewaters from any facility shall be discharged into the waters of the Commonwealth, and special care shall be used to prevent accidental "spills" or similar unusual discharges of all raw, finished and waste materials.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**STANDARD CONDITIONS RELATING TO EROSION AND SEDIMENT CONTROL**  
for Use in Water Quality Management Permits

1. By approval of the plans for which this permit is issued, neither the Department nor the Commonwealth of Pennsylvania assumes any responsibility for the feasibility of the plans or the measures and facilities to be constructed thereunder.
2. If at any time the erosion and sediment control activities undertaken pursuant to this permit or other activities carried out at the location is causing or contributing to pollution of the waters of the Commonwealth, the permittee shall forthwith adopt such remedial measures as are acceptable to the Department.
3. This permit does not authorize any earth disturbance controlled or regulated by an ordinance enacted by a local municipality. Additional permits must be secured from local municipalities where earthmoving activities are covered by such local ordinances.
4. At least seven days before earthmoving will begin, the permittee, by telephone or certified mail, shall notify the Department or its designee of the date for beginning of construction and invite the County Conservation District representative to attend a pre-construction conference. The permittee shall have his erosion control plan available at the activity at all times.
5. All earthmoving activities shall be undertaken in the manner set forth in the erosion and sediment control plan identified with this permit. Revisions to the plan shall be pre-approved by the Department or the conservation district.

The erosion control measures and facilities shall be constructed under the supervision and competent inspection of an individual trained and experienced in erosion control, and in accordance with the plans, designs and other data as herein approved or amended, and with the conditions of this permit. Control facilities shall be frequently inspected and maintained to insure effective control.
7. When the herein approved erosion and sediment control measures and facilities are completed, the permittee shall notify the County Conservation District so that a final inspection of the measures and facilities may be made.
8. No storm water, sewage or other wastes not specifically approved herein, shall be admitted to the erosion and sediment control facilities for which this permit is issued.
9. Sediment shall at not time be permitted to accumulate in sedimentation basins to a depth that may limit storage capacity or interfere with the facility's settling efficiency. The sediment removed shall be handled and disposed of in a manner that will not create pollution problems and so that every reasonable and practical precaution is taken to prevent the said material from reaching the waters of the Commonwealth.
10. All slopes, channels, ditches or any disturbed area shall be stabilized as soon as possible after the final grade or final earthmoving has been completed. Where it is not possible to permanently stabilize a disturbed area immediately after the final earthmoving has been completed or where the activity ceases for more than 20 days, interim stabilization measures shall be implemented promptly.
11. Upon completion of the project, all areas which were disturbed by the project shall be stabilized so that accelerated erosion will be prevented. Any erosion and sediment control facility required or necessary to protect areas from erosion during the stabilization period shall be maintained until stabilization is completed. Upon completion of stabilization, all unnecessary or unusable control measures and facilities shall be removed, the areas shall be graded and the soils shall be stabilized.

12. The responsibility of carrying out the permit conditions or to assure that they are carried out shall rest with the permittee.

13. If the proposed earth disturbance is five acres or greater, the permittee shall comply with the NPDES General Permit for Stormwater Discharges from Construction Activities. An individual NPDES Storm Water Discharge Permit issued by the Department is required for any earth disturbance activities in waters designated as Special Protection at 25 PA Code Chapter 93.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER MANAGEMENT PROGRAM

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**NPDES PERMIT NO. PA PA0051926 Amendment No. 1**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Exelon Generation Company - Client ID No. 147686

is authorized to discharge from a facility located at

Limerick Generating Station - Site ID No. 475813

Evergreen and Sanatoga Roads

Pottstown, PA 19464

Municipality Limerick Township County Montgomery

to receiving waters named Schuylkill River, Possum Hollow Run, and Sanatoga Creek

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT, September 27, 2005**

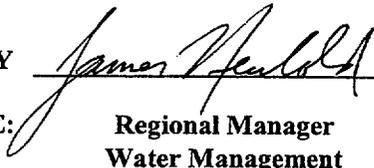
The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
3. Complete application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form.

In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports, will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED \_\_\_\_\_

ISSUED BY 

DATE PERMIT AMENDMENT ISSUED 04/10/01

TITLE:

Regional Manager  
Water Management

DATE EFFECTIVE 05/01/01

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA007026  
Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 001, Latitude 40°13'13", Longitude 75°35'22", River Mile Index 48.01, Stream Code 00833

which receives waste water from cooling towers, spray pond, holding pond, treated radwaste, laundry drain, filter backwash and treated sewage.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							1/Week	Measured	
TOTAL SUSPENDED SOLIDS *				30	60	75	1/Week	24 HC	
TEMPERATURE			See Other Requirement No. 6			110°F	1/Week	i-s	
pH (STD UNIT)			6.0			9.0	1/Week	Grab	
TOTAL RESIDUAL OXIDANTS			See Other Requirements No. 9, 10, 11		0.2	0.5	1/Week	Grab	
SPECTRUS CT 1300 **				0.2	0.4	0.5	1/Week	Grab	
SPECTRUS NX 1104 **				0.2	0.4	0.5	1/Week	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001

\* These are net limits. See Other Requirement No. 7 to calculate net concentration. A time-weighted composite sample shall be collected during the use of Spectrus DT 1400 in cooling towers.

\*\* See Other Requirement No. 8.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA007 26  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 101 , Latitude 40°13'13" , Longitude 75°35'22" , River Mile Index 48.01 , Stream Code 00833
- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)						
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>	Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
FLOW (MGD)							1/Week	Measured	
CBOD <sub>5</sub>				25		50	1/Week	24 HC	
SUSPENDED SOLIDS				30		60	1/Week	24 HC	
FECAL COLIFORM	See Other Requirement No. 4			200			1/Week	Grab	
pH (STD UNIT)			6.0			9.0	1/Week	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Point 101.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005 26  
Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 201, Latitude 40°13'13", Longitude 75°35'22", River Mile Index 48.01, Stream Code 00833

which receives waste water from holding pond contains non-hazardous/industrial wastes generated as part of routine plant operations, testing, and maintenance.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (GPD)							1/Week	Measured	
TOTAL SUSPENDED SOLIDS				30	100		2/Month	Grab	
OIL AND GREASE				15	20	30	2/Month	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Point 201.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES

Permit No. PA005 26  
Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 301, Latitude 40°13'13", Longitude 75°35'22", River Mile Index 48.01, Stream Code 00833  
 which receives waste water from radwaste treatment plant and laundrydrain collection system.

- a. The permittee is authorized to discharge during the period from issuance through expiration  
 b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (GPD)							1/Week	Measured	
TOTAL SUSPENDED SOLIDS				30	100		*	Grab	
OIL AND GREASE				15	20	30	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Monitoring Point 301.

\* During discharge of laundrydrain collection system.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005 26  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 002 , Latitude 40°13'17" , Longitude 75°35'15" , River Mile Index 0.23 , Stream Code 01640  
 which receives stormwater from area around sewage treatment plant and service roads.
- For Outfall 004 , Latitude 40°13'18" , Longitude 75°35'07" , River Mile Index 0.30 , Stream Code 01640  
 which receives stormwater from fuel storage area.
- For Outfall 022 , Latitude 40°13'12" , Longitude 75°35'16" , River Mile Index 0.19 , Stream Code 01640  
 which receives stormwater from area around wastewater treatment plant and service roads.
- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Average Annual	Average Semi Annual	Maximum Daily	Minimum Measurement Frequency	Required Sample Type
CBOD <sub>5</sub>	Monitor/Report		Monitor/Report	1/Year	Grab
COD	Monitor/Report		Monitor/Report	1/Year	Grab
OIL AND GREASE	Monitor/Report		Monitor/Report	1/Year	Grab
pH	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL SUSPENDED SOLIDS	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL KJELDAHL NITROGEN	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL PHOSPHORUS	Monitor/Report		Monitor/Report	1/Year	Grab
IRON (DISSOLVED)	Monitor/Report		Monitor/Report	1/Year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): any one outfall.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005726  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 003, Latitude 40°13'17", Longitude 75°35'14", River Mile Index 0.265, Stream Code 01640

which receives waste water from floor drains, chiller wastewater from condenser boxes associated with turbine unit 1 and stormwater from area around the unit.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Estimated	
TEMPERATURE						110°F	*	i-s	
TOTAL SUSPENDED SOLIDS				Monitor	Monitor	Monitor	*	Grab	
TOTAL RESIDUAL OXIDANTS					0.2	0.5	*	Grab	
SPECTRUS CT 1300				0.2	0.4	0.5	*	Grab	
SPECTRUS NX 1104				0.2	0.4	0.5	*	Grab	
pH (STD UNIT)			6.0			9.0	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 003

\* Sample during discharge through drain valve associated with the circulating water pumps.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005 26  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 005, Latitude 40°13'19", Longitude 75°35'05", River Mile Index 0.36, Stream Code 01640

which receives waste water from floor drains, chiller wastewater from condenser boxes associated with turbine unit 2 and stormwater from the area around turbine 2.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	MassUnits (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Estimated	
TEMPERATURE						110°F	*	i-s	
TOTAL SUSPENDED SOLIDS				Monitor	Monitor	Monitor	*	Grab	
TOTAL RESIDUAL OXIDANTS					0.2	0.5	*	Grab	
SPECTRUS CT 1300				0.2	0.4	0.5	*	Grab	
SPECTRUS NX 1104				0.2	0.4	0.5	*	Grab	
pH (STD UNIT)			6.0			9.0	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 005  
 \* Sample during discharge through drain valve associated with the circulating water pumps.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA005726  
Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 006 , Latitude 40°13'26" , Longitude 75°35'22" , River Mile Index 48.114 , Stream Code 00833  
which receives stormwater from maintenance area of metal shop and hardware.
- For Outfall 007 , Latitude 40°13'27" , Longitude 75°35'22" , River Mile Index 48.26 , Stream Code 00833  
which receives stormwater from area around health physics building, hardware shop and offices.
- For Outfall 008 , Latitude 40°13'28" , Longitude 75°35'23" , River Mile Index 48.322 , Stream Code 00833  
which receives stormwater from area around health physics building and electrical substation.
- For Outfall 009 , Latitude 40°13'29" , Longitude 75°35'25" , River Mile Index 48.341 , Stream Code 00833  
which receives stormwater from area around control building, instrumentation shop, and storage.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)			Minimum Measurement Frequency	Required Sample Type
	Average Annual	Average Semi Annual	Maximum Daily		
CBOD <sub>5</sub>	Monitor/Report		Monitor/Report	1/Year	Grab
COD	Monitor/Report		Monitor/Report	1/Year	Grab
OIL AND GREASE	Monitor/Report		Monitor/Report	1/Year	Grab
pH	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL SUSPENDED SOLIDS	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL KJELDAHL NITROGEN	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL PHOSPHORUS	Monitor/Report		Monitor/Report	1/Year	Grab
IRON (DISSOLVED)	Monitor/Report		Monitor/Report	1/Year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): any one outfall.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES**

Permit No. PA005 06  
Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 010 , Latitude 40°13'15" , Longitude 75°35'22" , River Mile Index 48.114 , Stream Code 00833  
which receives stormwater from Schuylkill River intake water through makeup header drain.
  - a. The permittee is authorized to discharge during the period from issuance through expiration
  - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).
  - c. This discharge shall consist solely of Schuylkill River water from the makeup water header drain.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):not monitored.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES**

Permit No. PA005 '6  
Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 011 , Latitude 40°13'15" , Longitude 75°35'23" , River Mile Index 48.17 , Stream Code 00833  
which receives stormwater from intake screen backwash, Schuylkill River pump house pipe leakage, pump cooling water and air compressor's condensate.
  - a. The permittee is authorized to discharge during the period from issuance through expiration
  - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).
  - c. Debris collected on the intake trash racks shall not be returned to the Schuylkill River.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):not monitored.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES**

Permit No. PA005 6  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 012, Latitude 40°13'15", Longitude 75°35'23", River Mile Index 48.06, Stream Code 00833

which receives waste water from the dredging operation of the Schuylkill River Pump House and stormwater from service roads.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2r).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Annual	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Estimated	
OIL AND GREASE				Monitor/Report	Monitor/Report		*	Grab	
TOTAL SUSPENDED SOLIDS				Monitor/Report	Monitor/Report		*	Composite	
IRON DISSOLVED				Monitor/Report	Monitor/Report		*	Composite	
pH				Monitor/Report	Monitor/Report		*	Grab	
IRON, TOTAL				Monitor/Report	Monitor/Report		*	Composite	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 012

\* Shall be monitored daily during dredging operation. A composite sample means a composite sample collected during dredging operation.

# DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

Permit No. PA0051106  
 Amendment No. 1

## PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. For Outfall 013 , Latitude 40°13'29" , Longitude 75°35'05" , River Mile Index 0.34 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
  - For Outfall 014 , Latitude 40°13'26" , Longitude 75°34'59" , River Mile Index 0.378 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
  - For Outfall 015 , Latitude 40°13'27" , Longitude 75°34'59" , River Mile Index 0.40 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
  - For Outfall 016 , Latitude 40°13'28" , Longitude 75°34'51" , River Mile Index 0.435 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
  - For Outfall 017 , Latitude 40°13'29" , Longitude 75°33'52" , River Mile Index 0.473 , Stream Code 01640  
 which receives stormwater from cooling tower drift loss, cooling tower screen wash and acid/chlorination storage area.
  - For Outfall 018 , Latitude 40°13'30" , Longitude 75°34'53" , River Mile Index 0.51 , Stream Code 01640  
 which receives stormwater from yard drains.
  - For Outfall 019 , Latitude 40°13'34" , Longitude 75°34'46" , River Mile Index 0.57 , Stream Code 01640  
 which receives stormwater from service roads and parking lots.
  - For Outfall 030 , Latitude 40°20'00" , Longitude 75°37'34" , River Mile Index 0.23 , Stream Code 01641  
 which receives stormwater from yard drain
- a. The permittee is authorized to discharge during the period from issuance through expiration
  - b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the discharge shall consist solely of stormwater.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): No monitoring.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA005'06  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 021, Latitude 40°13'37", Longitude 75°35'25", River Mile Index 48.38, Stream Code 00833  
 which receives stormwater from cooling tower drift loss, cooling tower screen wash and acid/chlorination storage area.

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Average Annual	Average Semi Annual	Maximum Daily	Minimum Measurement Frequency	Required Sample Type
CBOD <sub>5</sub>	Monitor/Report		Monitor/Report	1/Year	Grab
COD	Monitor/Report		Monitor/Report	1/Year	Grab
OIL AND GREASE	Monitor/Report		Monitor/Report	1/Year	Grab
pH	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL SUSPENDED SOLIDS	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL KJELDAHL NITROGEN	Monitor/Report		Monitor/Report	1/Year	Grab
TOTAL PHOSPHORUS	Monitor/Report		Monitor/Report	1/Year	Grab
IRON (DISSOLVED)	Monitor/Report		Monitor/Report	1/Year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 021.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

Permit No. PA005 5  
Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 020 , Latitude 40°13'29" , Longitude 75°34'50" , River Mile Index 0.436 , Stream Code 01640

which receives stormwater from Perkiomen Creek Makeup Storage Tank

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations			Monitoring Requirements	
	Concentrations (mg/l)				
	Instantaneous Minimum	Average Monthly	Instantaneous Maximum	Minimum Measurement Frequency	Required Sample Type
FLOW		Monitor/Report		Monthly	Calculated
TEMPERATURE			110°F	*	i-s
pH (STD UNIT)	6.0		9.0	Monthly	Grab
TOTAL SUSPENDED SOLIDS		Monitor/Report		*	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 020

\* Discharge of cooling tower blowdown through Outfall 020 shall be monitored once a week.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTE WATER FACILITIES**

Permit No. PA005 5  
 Amendment No. 1

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. For Outfall 023 , Latitude 40°13'11" , Longitude 75°35'17" , River Mile Index 0.15 , Stream Code 01640  
 which receives waste water from cooling tower emergency overflow vent..

- a. The permittee is authorized to discharge during the period from issuance through expiration
- b. Based on the production data and anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information on page 2o).

Discharge Parameter	Effluent Limitations						Monitoring Requirements		
	MassUnits (lbs/day) <sup>(1)</sup>		Concentrations (mg/l)				Minimum Measurement Frequency	Required Sample Type	24 Hour Report Under A3.C(4)
	Average Monthly	Maximum Daily	Inst. Minimum	Average Monthly	Maximum Daily	Inst. Maximum <sup>(2)</sup>			
FLOW (MGD)							*	Measured	
TOTAL SUSPENDED SOLIDS				Monitor/Report	Monitor/Report	Monitor/Report	*	Grab	
TEMPERATURE						110°F	*	i-s	
pH (STD UNIT)			6.0			9.0	*	Grab	
TOTAL RESIDUAL OXIDANTS					0.2	0.5	*	Grab	
SPECTRUS CT 1300				0.2	0.4	0.5	*	Grab	
SPECTRUS NX 1104				0.2	0.4	0.5	*	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 023

\* Sample during discharge.

**DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES**

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONT'D)**

- c. All discharges of floating materials, oil, grease, scum and substances which produce tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected as to human, animal, plant or aquatic life.

Footnotes (Refer to Page 2 thru 2n)

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured, recorded and reported on the Discharge Monitoring Report Form.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports (DMRs) or supplemental DMRs unless specifically required on those forms to do so.

Supplemental Information

- (1) The effluent limitations for Outfall 001 were determined using an effluent discharge of 8.22 million gallons per day.
- (2) A 24-hour composite sample at Outfall 001 means a time-weighted composite sample.

## 2. DEFINITIONS

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. "Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations 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.
- d. "Average" refers to the use of an arithmetic mean, unless otherwise specified in this permit.
- e. "Geometric Average (mean)" means the average of a set of n sample results given by the n<sup>th</sup> root of their product.
- f. "Average monthly" discharge limitation means the highest allowable average of "daily values" over a calendar month, calculated as the sum of all "daily values" measured during a calendar month divided by the number of "daily values" measured during that month.
- g. "Average weekly" discharge limitation means the highest allowable average of "daily values" over a calendar week, calculated as the sum of all "daily values" measured during a calendar week divided by the number of "daily values" measured during that week.
- h. "Maximum daily" discharge limitation means the highest allowable "daily discharge."
- i. "Maximum any time" (or instantaneous maximum) means the level not to be exceeded, at any time, in any grab sample.
- j. "Composite Sample" (for all except GC/MS volatile organic analysis) means a combination of at least eight individual samples of at least 100 milliliters, each obtained at periodic intervals during the operating hours of a facility over a 24-hour period. The composite must be flow proportional, either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates, over the time period used to produce the composite.  
  
"Composite Sample for GC/MS volatile organic analysis" consists of at least four (rather than eight) aliquots or grab samples collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. The four samples are composited in the laboratory immediately before analysis, and only one analysis performed.  
  
The maximum time period between individual samples used for any "composite sample" shall not exceed two hours, except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).
- k. "Grab Sample" means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not to exceed 15 minutes.

- l. "I-S" means immersion stabilization - in which a calibrated device is immersed in the wastewater until the reading is stabilized.
- m. The "Daily Average" temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.
- n. "Measured Flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- o. "At outfall XXX" means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line XXX, or where otherwise specified.
- p. "Estimate" means to be based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.
- q. "Non-contact cooling water" means water used to reduce temperature, which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.  
  
Such water may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures contain small amounts of process chemicals: provided that all reasonable measures have been taken to prevent, reduce, eliminate, and control the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.
- r. "Toxic Pollutant" - Those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will, on the basis of information available to the Department, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organisms or their offspring.
- s. "Hazardous substance" means any substance designated under 40 CFR Part 116, pursuant to Section 311 of the Clean Water Act.
- t. "Publicly Owned Treatment Works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act, which is owned by a State or Municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.
- u. "Industrial User" means an establishment which discharges or introduces industrial wastes into a Publicly Owned Treatment Works (POTW).
- v. "Total Dissolved Solids" means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.
- w. "Storm water associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- x. "Storm water" means storm water runoff, snow melt runoff and surface runoff and drainage.

- y. "Best Management Practices ("BMPs")" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of "waters of the United States." BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3. SELF-MONITORING, REPORTING, AND RECORDKEEPING

a. Representative Sampling

- (1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) Records Retention

Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years from the date of the sample measurement, report or application. The three-year period shall be extended as requested by the Department or the EPA Regional Administrator.

(3) Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (i) The exact place, date, and time of sampling or measurements;
- (ii) The person(s) who performed the sampling or measurements;
- (iii) The date(s) the analyses were performed;
- (iv) The person(s) who performed the analyses;
- (v) The analytical techniques or methods used; and the associated detection level; and
- (vi) The results of such analyses.

(4) Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in the permit.

(5) Quality Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- (a) Permittee or its designated laboratory shall participate in the periodic scheduled quality assurance inspections conducted by the Department and EPA.

- (b) The permittee or its designated laboratory shall develop and implement a program to assure the quality and accuracy of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136, Appendix A.

b. Reporting of Monitoring Results

- (1) The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
- (2) Unless instructed otherwise in Part C of this permit, monitoring results obtained each month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR).
- (3) The completed DMR form shall be signed and certified either by the following applicable person (as defined in 40 CFR 122.22(a)) or by that person's duly authorized representative (as defined in 40 CFR 122.22(b)):

- for a corporation - by a responsible corporate officer;
- for a Partnership or Sole Proprietorship - by a general partner or the proprietor, respectively; and
- for a Municipality, State, Federal or other public agency - by a principle executive officer or ranking elected official.

If signed by other than the above, written notification of delegation of DMR signatory authority must be submitted to the Department.

- (4) If the permittee monitors any pollutant, using analytical methods described in A.3.a(4) above, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. Reporting Requirements

- (1) Planned Changes - The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
- (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in § 122.29(b); or
  - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under § 122.42(a)(1); or
  - (c) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- (2) Anticipated Non-Compliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

(3) Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(4) Twenty-Four Hour Reporting

- (a) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.
- (b) The following shall be included as information which must be reported within 24 hours under this paragraph:
  - (i) Any unanticipated bypass which exceeds any effluent limitation in the permit.
  - (ii) Any catastrophic event which causes the discharge to exceed effluent limitations in this permit.
  - (iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.
- (c) The Department may waive the written report on a case-by-case basis for reports under paragraph C (4)(a) of this section if the oral report has been received within 24 hours.

(5) Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraphs C (3), (4) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph C (4) of this section.

Compliance with reporting requirements under A.3.c. above, shall not excuse a person from immediate notification of incidents causing or threatening pollution pursuant to 25 Pa. Code 101.2.

d. Specific Toxic Substance Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Dischargers) - The permittee shall notify the Department as soon as it knows or has reason to believe the following:

- (1) That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels:"
  - (a) One hundred micrograms per liter;
  - (b) Two hundred micrograms per liter for acrolein and acrylonitrile;
  - (c) Five hundred micrograms per liter for 2, 4-dinitrophenol and 2-methyl -4, 6-dinitrophenol;
  - (d) One milligram per liter for antimony;

- (e) Five (5) times the maximum concentration value reported for that pollutant in the permit application;
  - (f) Any other notification level established by the Department.
- (2) That any activity has occurred, or will occur, which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
- (a) Five hundred micrograms per liter;
  - (b) One milligram per liter for antimony;
  - (c) Ten (10) times the maximum concentration value reported for that pollutant in the permit application;
  - (d) Any other notification level established by the Department.

## PART B

### I. MANAGEMENT REQUIREMENTS

#### a. Compliance Schedules

- (1) The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in Part C of this permit.
- (2) The permittee shall submit reports of compliance or noncompliance with, or progress reports as applicable, any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

#### b. Permit Modification, Termination or Revocation and Reissuance

- (1) This permit may be modified, suspended or revoked in whole or in part during its term for causes including, not limited to, any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) In the absence of a Departmental action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

#### c. Duty to Provide Information

- (1) The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.
- (4) Where the permittee is a POTW, the permittee shall provide adequate notice to the Department of the following:
  - (a) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging those pollutants.
  - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User, which was discharging into the POTW at the time of issuance of this permit.

- (c) Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW. The submission of the above information in the POTW's Annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94, will normally be considered as providing adequate notice to the Department, unless a more stringent time period is required by law, regulation or permit condition in which case the more stringent submission date shall apply.
- (d) The identity of Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the Industrial Users.
- (e) The POTW shall require all Industrial Users to comply with the reporting requirements of Sections 204(b), 307 and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

d. Facilities Operation

The permittee shall, at all times, maintain in good working order and properly operate and maintain all facilities and systems which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems, which are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

The permittee shall develop, install and maintain Best Management Practices to control or abate the discharge of pollutants when the practices are reasonably necessary to achieve the effluent limitations and standards in this permit or to carry out the purposes and intent of the Clean Water Act, or when required to do so by the Department.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

f. Bypassing

- (1) Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be violated, but only if the bypass is essential for maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c.

- (2) Other Bypassing - In all other situations, bypassing is prohibited unless all of the following conditions are met:
- (a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage;"
  - (b) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed (in the exercise of reasonable engineering judgement) to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
  - (c) The permittee submitted the necessary reports required under Part A.3.c.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three Conditions (a through c) listed above.

## 2. PENALTIES AND LIABILITY

### a. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative, and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality who violates any provision of this permit, any rule, regulation, or order of the Department, or any condition or limitation of any permit issued pursuant to the Clean Streams Law is subject to criminal and/or civil penalties, as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

### b. Falsifying Information

Any person who does any of the following:

Falsifies, tampers with or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit; or

Knowingly makes any false statement, representation or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or non-compliance);

shall, upon conviction, be punished by a fine and/or imprisonment, as set forth in 18 P.S. § 4904 and 40 CFR 122.41(j)(5) and (k)(2).

### c. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

d. Enforcement Proceedings

- (1) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity, in order to maintain compliance with the conditions of this permit.

3. OTHER RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of the Pennsylvania's Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (2) To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (3) To inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit;
- (4) To sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

b. Transfer of Permits

- (1) *Transfers by modification.* Except as provided in paragraph (2) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- (2) *Automatic transfers.* As an alternative to transfers under paragraph (1) of this section, any NPDES Permit may be automatically transferred to a new permittee if:
  - (a) The current permittee notifies the Department at least 30 days in advance of the proposed transfer date in paragraph (2)(b) of this section;
  - (b) The notice includes the appropriate Department transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and
  - (c) The Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (2)(b) of this section.

(5) In the event the Department does not approve transfer of the permit, the new owner or controller must submit a new permit application.

c. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

d. Other Laws

The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations.

**PART C**

**OTHER REQUIREMENTS**

1. Monitoring data required by this permit shall be submitted monthly. A Discharge Monitoring Report (DMR) properly completed and signed in accordance with Part A, Section 3.b.(3) of this permit, must be submitted within 28 days after the end of each monthly report period. Notification of the designation of the responsible operator must be submitted to the permitting agency by the permittee within 60 days after the effective date of the permit and from time to time thereafter as the operator is replaced. The DMR must be sent to:

Regional Manager  
Water Management  
Department of Environmental Protection  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

2. A copy of this Report should also be sent to the following agency(s):

Delaware River Basin Commission  
P.O. Box 7360  
West Trenton, New Jersey 08628

3. Water borne releases of radioactive material to unrestricted areas shall conform to criteria set forth in Title 10 Code of Federal Regulations Part 50 Appendix I – numerical guides for design objectives and limiting conditions for operation to meet the criterion "as low as is reasonably achievable" for radioactive material in light-water-cooled nuclear reactor effluents, as implemented through the environmental technical specifications for the facility.

The facility operator shall provide the Department with copies of reports specifying the quantities of radioactive material released to unrestricted areas in liquid/gaseous effluents.

The facility operator shall provide the Department with copies of reports of the results of environmental surveillance activities and other such reports as necessary for the estimation of the dose consequential to facility operation.

The above reports are to be forwarded to the following agency:

Pennsylvania Department of Environmental Protection  
Bureau of Radiation Protection  
13th Floor, Rachel Carson State Office Building  
P.O. Box 8469  
Harrisburg, PA 17105-8469

**PART C**

**OTHER REQUIREMENTS (continued)**

4. Effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration not greater than 200/100 ml of fecal coliform organisms as a geometric average value, nor greater than 1000/100 ml of these organisms in more than 10 percent of the samples tested.
5. This permit also authorizes the discharge of treated sewage until such time as facilities for conveyance and treatment at a more suitable location are installed and are capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with either the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewage Facilities Act, the Act of January 24, 1956, P.L. 1535, as amended, or a comprehensive Water Quality Management Plan as set forth in Section 91.31 of the Rules and Regulations of the Department. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of the sewage treatment plant thereby terminating the discharge authorized by this permit, and notify the Department accordingly. This permit shall then, upon notice from the Department, terminate and become null and void, and shall be relinquished to the Department.
6. The following requirements apply with respect to the thermal impact of the discharge from Outfall 001 upon the Schuylkill River.  
  
No rise when ambient temperature is 87°F or above; not more than a 5°F rise above ambient temperature until stream temperature reaches 87°F; not to be changed by more than 2°F during any one-hour period.
7. The permittee must calculate net suspended solids concentration in accordance with the worksheet attached to the permit.
8. Outfall 001 shall be sampled and analyzed for Spectrus CT 1300 and Spectrus NX No. 1104, on a weekly basis, with daily record keeping of the usage rates during use of the product. Methyl Orange method shall be used for Spectrus CT 1300 and Spectrus NX 1104 with a detection level of 0.2 mg/l.

PART C

**OTHER REQUIREMENTS (continued)**

9. The term total residual oxidants for water with bromides generated through the use of a chemical additive is defined as the value obtained using the amperometric method for total residual chlorine described in 40 C.F.R. Section 136. This method is described in Standard Methods as the "amperometric titration method."
10. The term Maximum Daily Concentration as it relates to total residual oxidants (TRO) discharge means the average analysis made over a single period of TRO release which does not exceed two hours.
11. For Outfall 001, total residual oxidants may not be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge total residual oxidants at any one time unless the permittee can demonstrate to the Department that the units in a particular location cannot operate at or below this level of oxidants.
12. The additives and usage rate currently approved are the following:

<u>Name</u>	<u>Usage Rate lbs/day</u>	
	<u>Average Monthly</u>	<u>Maximum Daily</u>
Betz Dearborn Flogard MS 6210	Control through zinc limit	
Betz Dearborn Depositrol BL 5307	800	3850
Betz Dearborn Depositrol BL 5400	160	320
Betz Dearborn Depositrol PY 5204	1,450	2,850
Betz Dearborn Depositrol PY 5206	2,542	2,542
Betz Dearborn Spectus BD 1500	932	5,000
Betz Dearborn Spectus CT 1300	average monthly limit 0.2 mg/l at 001	
Betz Dearborn Spectus DT 1400	4,760	9,520
Betz Dearborn Spectus NX 1100	1	2
Betz Dearborn Spectus NX 1104	Not Detectable of 0.2 mg/l at 001	
Betz Dearborn Spectus OX 1201	1,900	1,990
Betz Dearborn Continuum AEC 3120	8	16
Betz Dearborn Inhibitor AZ 8104	380	380
Betz Dearborn Ferroquest LP 7200	600	600
Betz Dearborn Ferroquest LP7202	300	300
Betz Dearborn Foamtrol AF 1441	450	900
Sodium Hypochlorite	control through TRO	
Sulfuric Acid	control through pH	
Betz Dearborn Depositrol PY 5200	2,000	4,000

**PART C**

**OTHER REQUIREMENTS (continued)**

13. Chemical additives to control corrosion, scaling, algae, slime, fouling or oxygen, etc., and blowdown discharge rates shall be managed by the permittee to ensure that toxic effects in the receiving stream are prevented. These also include substances/compounds added to the wastewater such as polymers, water softeners, flocculents, coagulants, emulsion breakers, dispersants and oxygen scavengers.

Usage rates shall be consistent with the quantities and rates approved by the Department and shall be limited to the minimum amount necessary to accomplish the intended purposes of chemical addition.

Accurate usage records (name of additive, quantity added, date added) of any approved chemical additive and blowdown discharge volumes must be maintained on the Chemical Additive Reporting Form and kept on site by the permittee. To the maximum extent possible, sampling and laboratory analytical procedures for these chemicals are to conform with the "Sampling and Analytical Testing Instructions for Industrial Discharges" routinely used for completion of NPDES permit applications.

Whenever a change in chemical additive or increase in usage rates is desired by the permittee, a written notification shall be submitted to the Department at least sixty (60) days prior to the proposed use of the chemical. All required data must be provided on the form for each new or changed chemical additive or proposed change in the usage rate.

As a minimum, the following information must be provided on the whole product (if data on the whole product is not available, monitoring data for all active ingredients in the product shall be provided):

1. Trade names of additive.
2. Name and address of additive manufacturer.
3. Material Safety Data Sheet (MSDS) or other available information on mammalian or aquatic toxicological effects.
4. Bioassay data including the 96-hour LC50 on the whole product.
5. Proposed average and maximum additive usage rates in lbs/day.
6. A flow diagram showing the point of chemical addition and the affected outfalls.
7. The expected concentration of the product at the final outfall.
8. The product density for liquids (lb/gal) used to convert usage rate (gpd) to in-system concentrations (mg/l).
9. The analytical test method that could be used to verify final discharge concentrations when the product is in use and the associated minimum analytical detection level (mg/l).
10. Conditioned water discharge rate (blowdown rate) and duration (hours).
11. Available data on the degradation of or decomposition of the additive in the aquatic environment.

**PART C**

**OTHER REQUIREMENTS (continued)**

12. Any other data or information the permittee believes would be helpful to the Department in completing its review.

Based on the information presented, the Department will decide whether specific effluent limitations for one or more active ingredients or other control requirements are necessary. Where necessary, the Department may establish permit limits, require other controls or deny use of these chemicals. If the information is complete, use of the proposed chemical additive or usage rate will be considered approved 60 days after the date of notification to the Department. If the notification is incomplete or the Department notifies the permittee that the proposed usage rate will cause violations of water quality standards, the permittee will be advised that a permit amendment is required and would likely be denied. All such letters and notifications must be kept on site with the required daily chemical usage data.

Use of products or chemicals that contain one or more ingredients that are carcinogens is generally prohibited. Before proposing limited use of such products or chemicals, the permittee must thoroughly investigate the use of alternative products or chemicals to avoid the use of the carcinogens. If no alternatives are available, the permittee must submit written documentation as part of the information required above, that demonstrates to the satisfaction of the Department that no suitable alternatives are available and that any carcinogen in the proposed chemical or product will not be detectable in the final effluent using the most sensitive analytical method available. Based on the information presented, the Department will decide whether specific effluent limitations or other control requirements are necessary for the chemicals, and where necessary, establish permit limits, require other controls or deny use of these chemicals.

14. There shall be no discharge of polychlorinated biphenyl (PCB) compounds such as those commonly used for transformer fluid at any time.
15. Collected screenings, slurries, sludges, and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 287, 288, 289, 291, 297, and 299 (relating to permits and requirements for landfilling, land application, incineration, and storage of residual waste), Chapters 262, 263, and 264 (related to permits and requirements for landfilling and storage of hazardous sludge) and applicable Federal Regulations, the Federal Clean Water Act, RCRA and their amendments.
16. The Department may identify and require certain discharge specific data to be submitted before the expiration date of this permit. Upon notification by the Department, the permittee will have 12 months from the date of the notice to provide the required data. These data, along with any other data available to the Department, will be used in completing the Watershed TMDL/WLA Analysis and in establishing discharge effluent limits.

**PART C**

**OTHER REQUIREMENTS (continued)**

17. Requirements Applicable to Storm Water Only Outfall(s)

A. Prohibition of Non-Storm Water Discharges

1. Except as provided in A.2., all storm water outfall(s) shall be composed entirely of uncontaminated storm water.
2. The following non-storm water discharges may be authorized to be discharged through this outfall(s): discharges from fire fighting activities, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, air conditioning condensate, springs, uncontaminated groundwater and foundation or footing drains where flows are not contaminated with process materials such as solvents.
3. This permit does not authorize any discharge (stormwater or non-stormwater) which contains any pollutant which may cause or contribute to an impact on aquatic life or pose a substantial hazard to human health or the environment due to its quantity or concentration.
4. This permit does not authorize the discharge of any pollutant resulting from an on-site spill, any such occurrence is subject to Sections A.3.c of this permit.

B. Preparedness, Prevention and Contingency Plans

1. Development of Plan

Operators of facilities shall develop within 180 days a Preparedness, Prevention and Contingency (PPC) Plan in accordance with 25 Pa. Code Section 101.3 and the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" and "Supplemental Guidance for Development and Implementation of Preparedness, Prevention and Contingency (PPC) Plans Under The National Pollutant Discharge Elimination System (NPDES) Storm Water Permitting Program." The PPC plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility. In addition, the PPC Plan shall describe the implementation of practices, including best management practices (BMPs) which are to be used to reduce the pollutants in storm water discharges. BMP's include operating procedures and practices to control plant site runoff, spillage or leaks, sludges or waste disposal, or drainage from raw material storage.

**PART C**

**OTHER REQUIREMENTS (continued)**

2. Special Requirements for SARA Title III, Section 313 Facilities

- a. Facilities subject to SARA Title III, Section 313 shall include in the PPC Plan a description of releases to land or water of Section 313 water priority chemicals that have occurred within the last three years. Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations, outdoor storage activities, outdoor manufacturing or processing activities, significant dust or particulate generating process, and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; and history of significant leaks or spills of toxic or hazardous pollutants.
- b. Engineering Certification. No storm water PPC Plan for facilities subject to SARA Title III, Section 313 requirements for chemicals which are classified as "Section 313 Water Priority Chemicals" shall be effective unless it has been reviewed and certified by a Registered Professional Engineer.

3. Comprehensive Site Compliance Evaluations and Record Keeping

Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, in no case less than once a year. Such evaluations shall provide:

- a. Areas contributing to a storm water discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural storm water management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.

PART C

**OTHER REQUIREMENTS (continued)**

- b. Based on the results of the inspection, the description of potential pollutant sources identified in the PPC Plan, and pollution prevention measures and controls identified in the plan shall be revised as appropriate within fifteen (15) days of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than ninety (90) days after the inspection.

C. Storm Water Monitoring Requirements

1. Sampling Requirements

- a. For discharges from holding ponds or other impoundments with a retention period greater than 24 hours, (estimated by dividing the volume of the detention pond by the estimated volume of water discharged during the 24 hours previous to the time that the sample is collected) a minimum of one grab sample may be taken.
- b. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event.
- c. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge and the discharger shall submit on the Department form entitled, "Additional Information for the Reporting of Storm Water Discharge Monitoring," a description of why a grab sample during the first 30 minutes was impracticable.
- d. Samples taken in compliance with the monitoring requirements specified above shall be taken from the discharge at each outfall.

When a facility has two or more outfalls that, based on a consideration of features and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may test the effluent of one of such outfalls and report that the quantitative data also applies to the substantially identical outfalls. In addition, for each outfall that the permittee believes is representative, an estimate of the runoff coefficient of the drainage area (e.g. low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)) shall be provided.

PART C

**OTHER REQUIREMENTS (continued)**

2. Sampling Waiver

When the discharger is unable to collect samples due to adverse climatic conditions, the discharger must submit in lieu of sampling data a description of why samples could not be collected, including available documentation of the event. Adverse climatic conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.). This information shall be submitted on the attached Department form entitled, "Additional Information for the Reporting of Storm Water Discharge Monitoring." Dischargers are precluded from exercising this waiver more than once during a two-year period.

3. Annual Inspection

- a. Facilities with storm water discharges associated with industrial activity may conduct annual inspections of the facility in lieu of annual monitoring for the parameters listed on pages 2d and 2g of this permit.
- b. Where an annual inspection is conducted in lieu of annual monitoring, in addition to the Comprehensive Site Compliance Evaluation and Recordkeeping, the inspection shall include a visual inspection of sediment present in the outfalls associated with the facility subject to this permit, and where possible, an identification of substances present in the sediment. The annual inspection must identify area(s) contributing pollutant(s) to storm water discharge(s) and evaluate whether measures to reduce pollutant loadings identified in a Preparedness Prevention and Contingency (PPC) Plan are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are necessary. Any deficiencies found during the inspection shall be corrected within 90 days.

18. If, at anytime, the Department determines that the discharge permitted herein creates a public nuisance or causes environmental harm to the receiving water of the Commonwealth, the Department may require the permittee to adopt such remedial measures as will produce a satisfactory effluent. If the permittee fails to adopt such remedial measures within the time specified by the Department, the right to discharge herein granted shall, upon notice by the Department, cease and become null and void.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX ON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPRC D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	001
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	

Main Outfall

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX				
TOTAL SUSPENDED SOLIDS (NET)	Sample Measurement	XXXX	XXXX	XXXX	XXXX	30	60	MG/L	*	24 HC	
	Permit Requirement	XXXX	XXXX		XXXX	30	60				
TEMPERATURE (EFFLUENT)	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	INST. MAX. 110	°F		1/WEEK	I-S
	Permit Requirement	XXXX	XXXX		XXXX	XXXX					
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L		1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX					
pH	Sample Measurement	XXXX	XXXX	XXXX	6.0	XXXX	INST. MAX. 9.0	STD UNITS		1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	6.0					
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE	
					TYPE OR PRINT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* A time-weighted composite sample shall be collected during the use of Spectrus DT 1400 in cooling towers.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*," "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont.*" for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: **EX ON GENERATION COMPANY**

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: <b>2301 MARKET STREET</b>		<b>PA0051926</b>		<b>001</b>			
<b>PHILADELPHIA, PA 19101</b>		PERMIT NUMBER		DISCHARGE NUMBER			
<b>LIMERICK GENERATING STATION</b>		MONITORING PERIOD					
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>	YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>							
COUNTY: <b>MONTGOMERY</b>							

Main Outfall

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		1/WEEK	GRAB
SPECTRUS NX 1104	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		1/WEEK	GRAB
TEMPERATURE (RIVER INTAKE WATER)	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	°F		1/WEEK	I-S
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05 .

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

#### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period." "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont." for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

#### Legal Notice

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EXON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPRC D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	101
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	

Effluent from STP

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement			GPD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX				
CBOD5	Sample Measurement	XXXX	XXXX	XXXX	XXXX	25	XXXX	MG/L		1/WEEK	MEAS.
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	30	XXXX	MG/L		1/WEEK	24 HC
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
FECAL COLIFORM	Sample Measurement	XXXX	XXXX	XXXX	XXXX	200	XXXX	# COL/100 ML		1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
pH	Sample Measurement	XXXX	XXXX	XXXX		6.0	XXXX	STD		1/WEEK	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	6.0	9.0				
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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			AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET		PA0051926		201	
PHILADELPHIA, PA 19101		PERMIT NUMBER		DISCHARGE NUMBER	
LIMERICK GENERATING STATION		MONITORING PERIOD			
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS		YEAR	MO	DAY	TO
MUNICIPALITY: LIMERICK TOWNSHIP					
COUNTY: MONTGOMERY					

Effluent from holding pond.

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	GPD	XXXX	XXXX	XXXX	XXXX		1/WEEK	MEAS.
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	30	100	MG/L		2/MONTH	GRAB
OIL AND GREASE	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	15	20	MG/L		2/MONTH	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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			AREA CODE	NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004.  
Southeast Region Facsimile  
Effluent from radwaste plant.

ADDRESS: 2301 MARKET STREET	PA0051926	301
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	GPD	XXXX	XXXX	XXXX	XXXX		1/WEEK	MEAS.
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	30	100	MG/L		*	GRAB
OIL AND GREASE	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	15	20	MG/L		*	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge of laundrydrain wastewater through radwaste treatment plant.

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NAME: EX ON GENERATION COMPANY

AMENDMENT NO. 1

ADDRESS: 2301 MARKET STREET	PA0051926	* 002, 004, 022					
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER					
LIMERICK GENERATING STATION	MONITORING PERIOD						
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO	DAY	TO	YEAR	MO	DAY
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Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUAL AVERAGE	MAXIMUM DAILY	UNITS			
CBOD <sub>5</sub>	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
COD	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR REPORT	MONITOR REPORT			1/YEAR	GRAB
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR REPORT	MONITOR REPORT			1/YEAR	GRAB
TOTAL KJELDAHL NITROGEN	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
TOTAL, PHOSPHORUS	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT			1/YEAR	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Sample anyone of these outfalls.

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7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report* (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	003
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	DAILY MAXIMUM	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	MGD	XXXX	XXXX	XXXX	XXXX		*	EST
TEMPERATURE	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		*	I-S
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L		*	GRAB
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L		*	GRAB
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		*	GRAB
SPECTRUS NX1104	Sample Measurement	XXXX	XXXX		XXXX						
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L		*	GRAB
pH	Sample Measurement	XXXX	XXXX			XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	6.0	XXXX	INST. MAX. 9.0	STD		*	GRAB
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge from drain valve associated with the circulating water pumps.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

#### General Instructions

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2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	005
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	DAY

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	DAILY MAXIMUM			
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX	*	EST
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX			
TEMPERATURE	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F	*	I-S
	Permit Requirement	XXXX	XXXX		XXXX	XXXX				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L	*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX					
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	0.2	MG/L	*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX					
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L	*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX					
SPECTRUS NX1104	Sample Measurement	XXXX	XXXX	XXXX	XXXX	0.2	0.4	MG/L	*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX					
pH	Sample Measurement	XXXX	XXXX	XXXX		XXXX	INST. MAX. 9.0	STD	*	GRAB
	Permit Requirement	XXXX	XXXX		6.0	XXXX				
	Sample Measurement									
	Permit Requirement									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE			
TYPE OR PRINT				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05 .

\* Sample during discharge from drain valve associated with the circulating water pumps.

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### General Instructions

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2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if *different*)," "*Permit Number*" and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*;" "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont.*" for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24 HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
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12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*" and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPRO. D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	* 006, 007, 008, 009					
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER					
LIMERICK GENERATING STATION	MONITORING PERIOD						
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: LIMERICK TOWNSHIP							
COUNTY: MONTGOMERY							

Sample any one outfall.

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUALL AVERAGE	MAXIMUM DAILY	UNITS			
CBOD <sub>5</sub>	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
COD	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TOTAL KJELDAHL NITROGEN	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TOTAL, PHOSPHORUS	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE

NUMBER

YEAR

MO

DATE

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES

09/27/05

SUBMIT RENEWAL BY

03/27/05

\* Sample anyone of these Outfalls.

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2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
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9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: EX. JN GENERATION COMPANY

AMENDMENT NO. 1

FORM APPROVED  
OMB NO. 2040-0004  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	012
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER
LIMERICK GENERATING STATION	MONITORING PERIOD	
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO
MUNICIPALITY: LIMERICK TOWNSHIP	DAY	TO
COUNTY: MONTGOMERY	YEAR	MO
	DAY	DAY

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUAL AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX		*	EST	
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		*	GRAB	
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		*	24 HC	
IRON DISSOLVED	Sample Measurement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		*	24 HC	
IRON, TOTAL	Sample Measurement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	MG/L			
	Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		*	24 HC	
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	MONITOR/REPORT	STD			
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		*	GRAB	
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	TELEPHONE	DATE		
				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Shall be monitored daily during dredging operation of the pumphouse.

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### Legal Notice

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DISCHARGE MONITORING REPORT (DMR)

NAME: EX ON GENERATION COMPANY

AMENDMENT NO. 1

FORM APPR...  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: 2301 MARKET STREET	PA0051926	021	
PHILADELPHIA, PA 19101	PERMIT NUMBER	DISCHARGE NUMBER	
LIMERICK GENERATING STATION	MONITORING PERIOD		
FAC. ADDRESS: EVERGREEN AND SANATOGA ROADS	YEAR	MO	DAY
MUNICIPALITY: LIMERICK TOWNSHIP			
COUNTY: MONTGOMERY			

Sample any one outfall.

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	ANNUAL AVERAGE	MAXIMUM DAILY	UNITS			
CBOD <sub>5</sub>	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L			
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
COD	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
OIL AND GREASE	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
pH	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TOTAL KJELDAHL NITROGEN	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TOTAL, PHOSPHORUS	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXX	MONITOR/REPORT	MONITOR/REPORT				
IRON, DISSOLVED	Sample Measurement	XXXX	XXXX	XXX	XXXX			MG/L		1/YEAR	GRAB
	Permit Requirement	XXXX	XXXX		XXX	MONITOR/REPORT	MONITOR/REPORT				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE

NUMBER

DATE

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 . SUBMIT RENEWAL BY 03/27/05

\* Sample anyone of these Outfalls.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement." (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain Copy for your records.
14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

### Legal Notice

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PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: **EL JON GENERATION COMPANY**

AMENDMENT NO. 1

FORM APPRC D.D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: <b>2301 MARKET STREET</b>	<b>PA0051926</b>			<b>020</b>			
<b>PHILADELPHIA, PA 19101</b>	PERMIT NUMBER			DISCHARGE NUMBER			
<b>LIMERICK GENERATING STATION</b>	MONITORING PERIOD						
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>	YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>							
COUNTY: <b>MONTGOMERY</b>							

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM INST.	UNITS			
FLOW	Sample Measurement				XXXX	XXXX	XXXX				
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT	GPD	XXXX	XXXX	XXXX	XXXX		1/MONTH	CALC
TEMPERATURE	Sample Measurement	XXXX	XXXX		XXXX	XXXX					
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		*	I-S
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX		XXXX		XXXX				
	Permit Requirement	XXXX	XXXX	XXXX	XXXX	MONITOR/REPORT	XXXX	MG/L		*	GRAB
pH	Sample Measurement	XXXX	XXXX								
	Permit Requirement	XXXX	XXXX	XXXX	6.0	XXXX	9.0	STD		1/MONTH	GRAB
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. §1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE	
					TYPE OR PRINT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Discharge of cooling tower blowdown through Outfall 020 shall be monitored once a week.

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

#### General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number" and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
4. Enter each "Parameter" as specified in monitoring requirements of permit.
5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period;" "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurement under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24 HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
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12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number" and "Date" at bottom of form.
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14. More detailed instructions for use of this Discharge Monitoring Report (DMR) form may be obtained from Office(s) specified in permit.

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NAME: **E2 ON GENERATION COMPANY**

AMENDMENT NO. 1

FORM APPRC D.  
OMB NO. 2040-0004.  
Southeast Region Facsimile

ADDRESS: <b>2301 MARKET STREET</b>		<b>PA0051926</b>		<b>023</b>			
<b>PHILADELPHIA, PA 19101</b>		PERMIT NUMBER		DISCHARGE NUMBER			
<b>LIMERICK GENERATING STATION</b>		MONITORING PERIOD					
FAC. ADDRESS: <b>EVERGREEN AND SANATOGA ROADS</b>	YEAR	MO	DAY	TO	YEAR	MO	DAY
MUNICIPALITY: <b>LIMERICK TOWNSHIP</b>							
COUNTY: <b>MONTGOMERY</b>							

NOTE: Read instructions before completing this form

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MONTHLY AVERAGE	MAXIMUM DAILY	UNITS	INST. MINIMUM	MONTHLY AVERAGE	MAXIMUM DAILY	UNITS			
FLOW	Sample Measurement			MGD	XXXX	XXXX	XXXX	XXXX			
	Permit Requirement	MONITOR/REPORT	MONITOR/REPORT		XXXX	XXXX	XXXX				
TOTAL SUSPENDED SOLIDS	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		*	MEAS
	Permit Requirement	XXXX	XXXX		XXXX	MONITOR/REPORT	MONITOR/REPORT				
TEMPERATURE	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX	110	°F		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX				
pH	Sample Measurement	XXXX	XXXX	XXXX				STD		*	I-S
	Permit Requirement	XXXX	XXXX		XXXX	6.0	XXXX		INST. MAX. 9.0		
TOTAL RESIDUAL OXIDANTS	Sample Measurement	XXXX	XXXX	XXXX	XXXX	XXXX		MG/L		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	XXXX		0.2		
SPECTRUS CT 1300	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	0.2		0.4		
SPECTRUS NX 1104	Sample Measurement	XXXX	XXXX	XXXX	XXXX			MG/L		*	GRAB
	Permit Requirement	XXXX	XXXX		XXXX	XXXX	0.2		0.4		
	Sample Measurement									*	GRAB
	Permit Requirement										

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		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMIT EXPIRES 09/27/05 SUBMIT RENEWAL BY 03/27/05

\* Sample during discharge.

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**WORKSHEET FOR THE DETERMINATION  
OF  
NET SUSPENDED SOLIDS CONCENTRATION AT OUTFALL 001  
PERMIT NO. PA0051926 AMENDMENT NO. 1**

1. Prepare a composite representative sample by collecting grab samples every two hours from the Cooling Tower No. 1 during the period when the chemical additive Sectrus DT 1400 is in use. Analyze this composite representative sample for TSS.  
**(Call it TSS1)**
  
2. Repeat step 1 for the Cooling Tower No. 2 and analyze for total suspended solids.  
**(Call it TSS2)**
  
3. Calculate the average blow down rate for Cooling Tower No. 1 during the sampling time period.  
**(Call it Q1)**
  
4. Repeat step 3 for the Cooling Tower No. 2 to determine the average blow down rate for the Cooling Tower No. 2 during the sampling time period.  
**(Call it Q2)**
  
5. Use the following equation to calculate the total suspended solid level in the Cooling Towers:

$$[ \text{TSS1} \times \text{Q1} + \text{TSS2} \times \text{Q2} ] / [ \text{Q1} + \text{Q2} ] = \text{C1}$$

6. Prepare a composite representative sample by collecting grab samples at Outfall 001. Analyze for total suspended solid.  
**(Call it TSS)**
  
7. Calculate Net TSS using the following equation:

$$\text{Net TSS} = \text{TSS} - \text{C1}$$

**NOTE:**

**For computing averages for DMR reporting and for determining permit compliance, all "less than zero" results must be counted as zero values.**

(SMC00)70-4G