



PERMIT AMENDMENT No. 1
OWNERSHIP CHANGE - EXELON GENERATION, LLC
Pennsylvania Department of Environmental Protection

ERC
5/13/2010

909 Elmerton Avenue
Harrisburg, PA 17110-8200

MAY - 4 2010

Southcentral Regional Office

GENERAL CONTROLLED COPY

717-705-4707
FAX - 717-705-4760

CERTIFIED MAIL NO. 7009 1680 0000 4243 6123

Mr. Thomas Dougherty
Exelon Generation Company, LLC
Route 441 South
PO Box 480
Middletown, PA 17057-0480

Re: Industrial Waste - Permit Transfer
NPDES Permit No. PA 0009920
Amendment No. 1
Part II Permit No. 2275724 T-1
AmerGen Energy Company, LLC
Exelon Generation Company
Londonderry Township, Dauphin County

Dear Mr. Dougherty:

In accordance with your request dated June 8, 2009, we are transferring the referenced permit(s).

Please study the permit(s) carefully and direct any questions to this office.

The expiration date of the NPDES permit is October 31, 2012. It will be necessary for you to submit an application for reissuance of the permit at least 180 days prior to the expiration date. Enclosed is a master copy of the Discharge Monitoring Report, which should be reproduced for your use.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.



Mr. Thomas Dougherty

- 2 -

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Mr. J. Pascal Kwedza of the Permits Section at 717-705-4815.

Sincerely

A handwritten signature in black ink, appearing to read 'Lee A. McDonnell', with a stylized, cursive script.

Lee A. McDonnell, P.E.
Program Manager
Water Management Program

Enclosures

WATER MANAGEMENT PROGRAM

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NPDES PERMIT NO. PA 0009920 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, LLC
(THREE MILE ISLAND NUCLEAR STATION)
ROUTE 441 SOUTH, PO BOX 480
MIDDLETOWN, PA 17057-0480**

is hereby authorized to discharge from a facility located in Londonderry Township, Dauphin County to the receiving waters named Susquehanna River in Watershed 7-G in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON JUNE 1, 2010

AND EXPIRE AT MIDNIGHT, OCTOBER 31, 2012.

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 or conditions 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. 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 to this permit will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.
4. This permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

PERMIT ISSUED: OCTOBER 30, 2007

BY: 

Lee A. McDonnell, P.E.

Program Manager

Southcentral Regional Office

PERMIT AMENDED: MAY - 4 2010

PART A

LAT: 40°09'08"
LONG: 76°43'40"

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 001, which receives wastewater from circulating cooling water; secondary service water; reactor building emergency cooling; decay heat; nuclear service water; liquid radioactive waste treatment; contributing internal monitoring points (101, 401, 501, 701); station blackout diesel cooling water; and other minor sources as identified in the NPDES permit application.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information on page 3.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at Outfall 001, unless otherwise noted below.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4) Monitoring Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	From 6.0 to 9.0 inclusive					2/month	Grab
Total Suspended Solids	XXX	XXX	Monitor & Report	Monitor & Report	XXX	2/month	Grab
Temperature (10/1-3/31)	XXX	XXX	XXX	110° F	XXX	Continuous	Recorded
Temperature (4/1-9/30)	XXX	XXX	XXX	115° F	XXX	Continuous	Recorded
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	(9)	(9)
Total Residual Oxidants (TRO) ⁽⁸⁾⁽¹⁰⁾	XXX	XXX	XXX	0.14	0.17	(6)	(6)
Spectrus CT 1300 ⁽⁸⁾	XXX	XXX	XXX	0.1	0.3	(5)	(5)
Hydrazine	XXX	XXX	XXX	XXX	Not Detectable	(7)	(7)

PART A

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 001 were determined using a maximum design effluent discharge rate of 81.02 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. Once per week grab sample during chemical addition.
6. Once per week grab sample during chemical addition. Samples shall be taken at Outfall 001. The permittee has the option to perform sampling at the TMI Unit 1 MDCT discharge when Outfall 001 is inaccessible due to inclement weather or when there are personnel safety concerns.
7. Hydrazine shall be analyzed during the discharges due to lay-up of TMI-1 once-through steam generators following plant outages. Samples shall be taken once per week during steam generator drain-down. The testing procedure shall be ASTM-D1385-88 (reapproved 1991).
8. If the concentration of biocide within a closed system is determined by analysis to be less than or equal to the corresponding effluent limitation, then sampling at Outfall 001 will not be required once the system blowdown is released.
9. Once per week grab sample during chemical addition. Free available chlorine limitations and monitoring are applicable only when chlorine compounds (where chlorine is the sole active ingredient) are added to the Circulating Water System or the River Water System. Monitoring may be conducted at the TMI-1 MDCT basin if Outfall 001 is not available.
10. The Total Residual Oxidants (TRO) effluent limitation is applicable when both Sodium Bromide and Sodium Hypochlorite are being used together for biological growth control.

PART A

Internal Monitoring Point

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 101, which receives wastewater from the sewage treatment plant.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information below.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at discharge from sewage treatment plant.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING ⁽⁶⁾ REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4)	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	Continuous	Recorded
Total Suspended Solids	XXX	XXX	30	XXX	60	1/quarter	8-hour Comp
CBOD ₅	XXX	XXX	25	XXX	50	1/quarter	8-hour Comp
Phosphorus (as P)	XXX	XXX	2.0	XXX	4.0	1/quarter	8-hour Comp
Fecal Coliform (5/1-9/30) ⁽⁵⁾	XXX	XXX	200/100 ml	XXX	XXX	1/quarter	Grab
Fecal Coliform (10/1-4/30) ⁽⁵⁾	XXX	XXX	2,000/100 ml	XXX	XXX	1/quarter	Grab

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 101 were determined using an effluent discharge rate of 0.08 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. The permittee shall provide for effective disinfection of this discharge to control disease-producing organisms during the swimming season (May 1 through September 30) to achieve a fecal coliform concentration not greater than 200/100 ml as a geometric average, and not greater than 1,000/100 ml in more than 10 percent of the samples tested. During the period of October 1 through April 30 the fecal coliform concentration shall not exceed 2,000/100 ml as a geometric average.
6. To remain eligible for monitoring reductions, the permittee may not have any significant noncompliance violations for effluent limitations of the parameters for which reductions have been granted, or failure to submit DMRs, or may not be subject to a new formal enforcement action. If any of the above occurs, the permit will be reopened and amended to reflect the previous monitoring frequencies.

PART A

Internal Monitoring Point

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 401, which receives wastewater from the Industrial Waste Filter System.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information below.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at discharge from Industrial Waste Filter System.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING ⁽⁵⁾ REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4)	
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	From 6.0 to 9.0 inclusive					1/quarter	Grab
Total Suspended Solids	XXX	XXX	30	100	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	15	20	30	1/quarter	Grab

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 401 were determined using an effluent discharge rate of 0.3 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. To remain eligible for monitoring reductions, the permittee may not have any significant noncompliance violations for effluent limitations of the parameters for which reductions have been granted, or failure to submit DMRs, or may not be subject to a new formal enforcement action. If any of the above occurs, the permit will be reopened and amended to reflect the previous monitoring frequencies.

PART A

Internal Monitoring Point

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 501, which receives wastewater from Unit 1 Secondary Neutralizer Tank.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information below.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at discharge from Unit 1 Secondary Neutralizer Tank or from the mixed tank prior to release.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING ⁽⁵⁾ REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4)	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	2/month	Calculated
pH (S.U.)	From 6.0 to 9.0 inclusive					2/month	Grab
Total Suspended Solids	XXX	XXX	30	100	XXX	2/month	Grab
Oil and Grease	XXX	XXX	15	20	30	1/quarter	Grab

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 501 were determined using an effluent discharge rate of 0.3 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. To remain eligible for monitoring reductions, the permittee may not have any significant noncompliance violations for effluent limitations of the parameters for which reductions have been granted, or failure to submit DMRs, or may not be subject to a new formal enforcement action. If any of the above occurs, the permit will be reopened and amended to reflect the previous monitoring frequencies.

PART A

Internal Monitoring Point

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 701, which receives wastewater from the Industrial Waste Treatment System.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information below.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at discharge from the Industrial Waste Treatment System.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING ⁽⁵⁾ REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4)	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	From 6.0 to 9.0 inclusive					2/month	Grab
Total Suspended Solids	XXX	XXX	30	100	XXX	2/month	Grab
Oil and Grease	XXX	XXX	15	20	30	1/quarter	Grab

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 701 were determined using an effluent discharge rate of 0.3 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. To remain eligible for monitoring reductions, the permittee may not have any significant noncompliance violations for effluent limitations of the parameters for which reductions have been granted, or failure to submit DMRs, or may not be subject to a new formal enforcement action. If any of the above occurs, the permit will be reopened and amended to reflect the previous monitoring frequencies.

PART A

LAT: 40°09'10"
LONG: 76°43'40"

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 003, emergency discharge from Unit 1, in the event Outfall 001 becomes blocked.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information on page 9.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at Outfall 003, unless otherwise noted below.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING ⁽⁵⁾ REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4)	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	1/day	Estimated
pH (S.U.)	From 6.0 to 9.0 inclusive					2/month	Grab
Total Suspended Solids	XXX	XXX	Monitor & Report	Monitor & Report	XXX	2/month	Grab
Temperature (10/1-3/31)	XXX	XXX	XXX	110° F	XXX	1/shift	i-s
Temperature (4/1-9/30)	XXX	XXX	XXX	115° F	XXX	1/shift	i-s
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	(10)	(10)
Total Residual Oxidants (TRO) ⁽⁹⁾⁽¹¹⁾	XXX	XXX	XXX	0.14	0.17	(7)	(7)
Spectrus CT 1300 ⁽⁹⁾	XXX	XXX	XXX	0.1	0.3	(6)	(6)
Hydrazine	XXX	XXX	XXX	XXX	Not Detectable	(8)	(8)

PART A

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 003 were determined using a maximum design effluent discharge rate of 81.02 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. Only when discharging.
6. Once per week grab sample during chemical addition.
7. Once per week grab sample during chemical addition. Samples shall be taken at Outfall 003. The permittee has the option to perform sampling at the TMI Unit 1 MDCT basin if Outfall 003 is inaccessible due to inclement weather or when there are personnel safety concerns.
8. Hydrazine shall be analyzed during the discharges due to lay-up of TMI-1 once-through steam generators following plant outages. Samples shall be taken once per week during steam generator drain-down. The testing procedure shall be ASTM-D1385-88 (reapproved 1991).
9. If the concentration of biocide within a closed system is determined by analysis to be less than or equal to the corresponding effluent limitation, then sampling at Outfall 003 will not be required once the system blowdown is released.
10. Once per week grab sample during chemical addition. Free available chlorine limitations and monitoring are applicable only when chlorine compounds (where chlorine is the sole active ingredient) are added to the Circulating Water System or the River Water System. Monitoring may be conducted at the TMI-1 MDCT basin if Outfall 003 is not available.
11. The Total Residual Oxidants (TRO) effluent limitation is applicable when both Sodium Bromide and Sodium Hypochlorite are being used together for biological growth control.

PART A

LAT: 40°09'10"
LONG: 76°43'18"

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 004, emergency discharge from Unit 1, in the event Unit 1 Mechanical Draft Cooling Tower becomes blocked.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information on page 11.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at outfall 004.

DISCHARGE LIMITATIONS ⁽¹⁾						MONITORING ⁽⁵⁾ REQUIREMENTS	
Discharge ⁽²⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽³⁾			(4)	
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	1/day	Estimated
pH (S.U.)	From 6.0 to 9.0 inclusive					2/month	Grab
Total Suspended Solids	XXX	XXX	Monitor & Report	Monitor & Report	XXX	2/month	Grab
Temperature	XXX	XXX	XXX	Monitor & Report	XXX	1/shift	i-s
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	(9)	(9)
Total Residual Oxidants (TRO) ⁽⁸⁾⁽¹⁰⁾	XXX	XXX	XXX	0.14	0.17	(6)	(6)
Spectrus CT 1300 ⁽⁸⁾	XXX	XXX	XXX	0.1	0.3	(6)	(6)
Hydrazine	XXX	XXX	XXX	XXX	Not Detectable	(7)	(7)

PART A

B. Footnotes/Additional Requirements/Information

1. The discharge limitations for Outfall 004 were determined using a maximum design effluent discharge rate of 81.02 million gallons per day.
2. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
3. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
4. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
5. Only when discharging.
6. Once per week grab sample during chemical addition.
7. Hydrazine shall be analyzed during the discharges due to lay-up of TMI-1 once-through steam generators following plant outages. Samples shall be taken once per week during steam generator drain-down. The testing procedure shall be ASTM-D1385-88 (reapproved 1991).
8. If the concentration of biocide within a closed system is determined by analysis to be less than or equal to the corresponding effluent limitation, then sampling at Outfall 004 will not be required once the system blowdown is released.
9. Once per week grab sample during chemical addition. Free available chlorine limitations and monitoring are applicable only when chlorine compounds (where chlorine is the sole active ingredient) are added to the Circulating Water System or the River Water System.
10. The Total Residual Oxidants (TRO) effluent limitation is applicable when both Sodium Bromide and Sodium Hypochlorite are being used together for biological growth control.

PART A

LAT: 40°09'06"
LONG: 76°43'18"

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Outfall 005B, which receives wastewater from screen house desilting; dewatering of Unit 1 Natural Draft Cooling Towers; fire brigade training; fuel oil off-loading station; industrial cooler maintenance; emergency diesel generator building floor drains; and operation of the east dike settling basin drain valve.

1. Numbers in parentheses () refer to Footnotes/Additional Requirements/Information below.
2. Samples taken in compliance with the monitoring requirements shall be taken at the following location(s): at Outfall 005B.

DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
Discharge ⁽¹⁾ Parameter	Mass Units (lbs/day)		Concentrations (mg/l) ⁽²⁾			⁽³⁾	
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum	Monitoring Frequency	Sample Type
Flow (mgd)	Monitor & Report	Monitor & Report	XXX	XXX	XXX	1/month	Estimated
pH (S.U.)	From 6.0 to 9.0 inclusive					2/month	Grab
Total Suspended Solids	XXX	XXX	30	100	XXX	2/month	Grab
Oil and Grease	XXX	XXX	15	20	30	2/month	Grab

B. Footnotes/Additional Requirements/Information

1. In addition to the listed parameters, the discharge of floating solids, visible foam, or other substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled.
2. The instantaneous maximum discharge limitations are for compliance use by the Department only. Do not report instantaneous maximums on Discharge Monitoring Reports unless specifically required on those forms to do so.
3. This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

PART A

LAT: 40°09'16"
LONG: 76°43'41"

I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- A. Outfall 006, which receives wastewater from intake screen wash and sluice water; the intake pump strainer backwash; and the intake chlorinator building floor drain.

DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
Discharge Parameter	Mass Units (lbs/day)		Concentrations (mg/l)			Monitoring Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Inst. Maximum		
	No discharge limitations are necessary. All debris collected on the intake screens shall be collected and not discharged back to the river.						

PART A

B. Monitoring Requirements for Stormwater Outfalls 005A, SO1, SO2, SO3, SO4 ⁽¹⁾

	MONITORING REQUIREMENTS	
Parameter	Grab Sample (mg/l)	Monitor Frequency ⁽²⁾
5-day CBOD	Monitor & Report	1/year
Chemical Oxygen Demand	Monitor & Report	1/year
Total Suspended Solids	Monitor & Report	1/year
Total Phosphorus	Monitor & Report	1/year
Total Kjeldahl Nitrogen	Monitor & Report	1/year
Dissolved Iron	Monitor & Report	1/year
Oil and Grease	Monitor & Report	1/year
pH (S.U.)	Monitor & Report	1/year

Supplemental Footnotes:

- (1) See PART C - "REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS" for further conditions and instructions.
- (2) An annual inspection may be performed in lieu of monitoring. Detailed records shall be made and kept available on the site at all times.

PART A

II. 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 that causes them to become inoperable, or substantial and permanent loss of natural resources that 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 nth root of their product.
- F. "Average monthly" discharge limitation means the highest allowable average of "daily discharge" over a calendar month, calculated as the sum of all "daily discharge" measured during a calendar month divided by the number of "daily discharge" measured during that month.
- G. "Average weekly" discharge limitation means the highest allowable average of "daily discharge" over a calendar week, calculated as the sum of all "daily discharge" measured during a calendar week divided by the number of "daily discharge" measured during that week.
- H. "Maximum daily" discharge limitation means the highest allowable "daily discharge."
- I. "Maximum any time (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 individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters each obtained at spaced time intervals during the compositing period. The composite must be "flow-proportional", which means either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval 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 aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed.
- 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.

PART A

- 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. "Noncontact 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.
- R. "Toxic Pollutant" means any pollutant listed as toxic under Section 307(a)(1) of the Clean Water Act.
- 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 (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 that 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. "Stormwater associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing, or raw materials storage areas as defined at 40 CFR Part 122.26(b)(14).
- X. "Stormwater" means stormwater runoff, snowmelt 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.

PART A

III. SELF-MONITORING, REPORTING, AND RECORDS KEEPING

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 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 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:

- a. The exact place, date, and time of sampling or measurements.
- b. The person(s) who performed the sampling or measurements.
- c. The date(s) the analyses were performed.
- d. The person(s) who performed the analyses.
- e. The analytical techniques or methods used; and the associated detection level.
- f. The results of such analyses.

4. Test Procedures

Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 PA. C.S. §§ 4101-4113) relating to environmental laboratory accreditation.

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 the Environmental Protection Agency.

PART A

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

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, a properly completed DMR must be submitted to the following address within 28 days after the end of each monthly report period:

Department of Environmental Protection
Water Management Program
Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110-8200

3. The completed DMR Form shall be signed and certified either by the following applicable person, as defined in 40 CFR Part 122.22(a), or by that person's duly authorized representative, as defined in 40 CFR Part 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.
 - 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 in advance of or along with the relevant DMR form.

4. If the permittee monitors any pollutant, using analytical methods described in PART A III.A.4 herein, 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 could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are not subject to either the effluent limitations in the permit, or the toxic substance notification requirements of PART A III.D herein.

PART A

- b. 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.
- c. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR Part 122.29(b).

2. Anticipated Noncompliance

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

3. Unanticipated Noncompliance or Potential Pollution Reporting

- a. The permittee shall report any noncompliance or incidents causing or threatening pollution pursuant to 25 Pa. Code § 91.33 immediately, if possible, but in no case later than 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 that must be reported within 24 hours under this paragraph:
 - (1) Any unanticipated bypass that exceeds any effluent limitation in the permit.
 - (2) Any upset which exceeds or has the potential to exceed any effluent limitation in the permit.
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.
- c. The Department may waive the written report on a case-by-case basis for reports under paragraph C.3.a of this section if the oral report has been received within 24 hours.

4. Other Noncompliance

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

5. 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 the correct and complete facts or information.

PART A

D. Specific Toxic Pollutant Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Direct 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 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 nonroutine 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 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 this permit.
2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for 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, terminated, or revoked and reissued during its term in accordance with 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 noncompliance, 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. Where the permittee is a Publicly Owned Treatment Works (POTW), the permittee shall provide the following information in the POTW's annual Wasteload Management Report, required under the provisions of 25 Pa. Code Chapter 94.
 - a. Any new introduction of pollutants into the POTW from an Industrial User which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging directly into waters of the United States.
 - b. Any substantial change in the volume or character of pollutants being introduced into the POTW by an Industrial User that was discharging into the POTW at the time of issuance of this permit.
 - c. Any interference, pass-through, upsets, or permit violations that may be attributed to an Industrial User and actions taken to alleviate such events.

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- d. The identity of Significant Industrial Users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the character and volume of pollutants discharged into the POTW by the Significant Industrial User.

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 that 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. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that 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 III.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 judgment) to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance.
 - c. The permittee submitted the necessary reports required under PART A III.C.

PART B

II. 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 Part 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

The Clean Water Act provides that 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 noncompliance),

shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 40 CFR Part 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

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.

III. OTHER RESPONSIBILITIES

A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and 25 Pa. Code Chapter 92, the permittee shall allow the Secretary 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:

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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; and
4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or The Clean Streams Law, 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 the Clean Water Act.
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. If the Department does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b of this section.
3. 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

I. OTHER REQUIREMENTS

- A. Waterborne releases of radioactive materials 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 Off-Site Dose Calculation Manual for the facility.

The facility operator shall provide the Department with copies of reports specifying the quantities of radioactive materials 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 Department of Environmental Protection, Bureau of Radiation Protection.

- B. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid as determined by EPA Analysis Method 608 GC/ECD.
- C. The discharge may not change the temperature of the receiving stream by more than 2° F in any one hour.
- D. Neither free available chlorine nor total residual chlorine from cooling water systems may 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 free available or total residual chlorine at any one time unless the utility can demonstrate to the Department that the units in a particular location cannot operate at or below this level of chlorination.
- E. In accordance with Best Professional Judgment and PADEP Guidance on Intake Structure Design, Location, Operation, and Maintenance, the TMI facility has been determined to be Best Technology Available for compliance with the Clean Water Act.
- F. Sodium hypochlorite and sodium bromide as measured by Total Residual Oxidants (TRO) may be added for up to two hours per day to the TMI 1 Circulating Water System.
- G. The term maximum daily concentration as it relates to chlorine discharge means the average analyses made over a single period of chlorine release which does not exceed two hours.
- H. The permittee shall notify the Department within two working days after discharging from Outfalls 003 or 004 stating the composition of the discharge and the reason for discharging.
- I. If the number of discharges for an outfall is less than the required monitoring frequency for that outfall, then the required monitoring frequency will be equal to the number of discharges for that outfall.
- J. This permit is of interest to the U.S. Environmental Protection Agency (EPA) because it meets one or more of the following criteria:
1. POTW with a design hydraulic flow of one mgd or more.
 2. POTW with a pretreatment requirement.

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3. POTW or Industrial Waste discharger with biomonitoring requirements.
4. Industrial Waste discharger not waived for review by the EPA/DEP Memorandum of Agreement.

A copy of the DMR shall be submitted to the EPA at the following address:

NPDES Discharge Monitoring Reports (3WP42)
Water Protection Division
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

- K. In the event that a continuous flow or temperature instrument is out of service for longer than 24 hours, the Department shall be notified within 24 hours and the instrument shall be repaired as soon as reasonably possible. A temporary estimation or calculation method must be used and records kept available for Department review. The data collected while the instrument is out of service shall be used in preparation of the DMRs.

II. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS

A. Prohibition of Nonstormwater Discharges

1. Except as provided in A.2, all stormwater outfalls shall be composed entirely of stormwater.
2. The following nonstormwater discharges may be authorized, provided the nonstormwater component of the discharge is in compliance with C.2.b: discharges from fire fighting activities; fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, air conditioning condensate, springs, uncontaminated groundwater, and foundation or footing drains where flows are not contaminated with process materials such as solvents.

B. Spills

This permit does not authorize the discharge of any toxic or hazardous substances or oil resulting from an on-site spill.

C. Preparedness, Prevention and Contingency Plans

1. Development of Plan

Operators of facilities shall have developed a Preparedness, Prevention and Contingency (PPC) Plan in accordance with 25 Pa. Code § 91.34 and the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans". The PPC Plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges associated with industrial activity from the facility. In addition, the PPC Plan shall describe the implementation of practices that are to be used to reduce the pollutants in stormwater discharges associated with industrial activity at the facility ensuring compliance with the terms and conditions of this permit.

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2. Nonstormwater Discharges

- a. The PPC Plan shall contain a certification that the discharge has been tested or evaluated for the presence of nonstormwater discharges. The certification shall include the identification of potential significant sources of nonstormwater at the site, a description of the results of any test and/or evaluation for the presence of nonstormwater discharges, the evaluation criteria or testing methods used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Such certification may not be feasible if the facility operating the stormwater discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the PPC Plan shall indicate why the certification was not feasible. A discharger that is unable to provide the certification must notify the Department within 180 days of the effective date of this permit.
- b. Except for flows from fire fighting activities, sources of nonstormwater listed in A.2. (authorized nonstormwater discharges) that are combined with stormwater discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the nonstormwater component(s) of the discharge.

3. 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 stormwater; and history of significant leaks or spills of toxic or hazardous pollutants.
- b. Engineering Certification. No stormwater PPC Plan for facilities subject to SARA Title III, Section 313 requirements for chemicals that are classified as "Section 313 water priority chemicals" shall be effective unless it has been reviewed by a Registered Professional Engineer and certified to by such Professional Engineer. A Registered Professional Engineer shall recertify the PPC Plan every year thereafter. This certification may be combined with the required annual certification in C.4. By means of these certifications, the engineer, having examined the facility and being familiar with the provisions of this part, shall attest that the stormwater PPC Plan has been prepared in accordance with good engineering practices. Such certification shall in no way relieve the owner or operator of a facility covered by the PPC Plan of the duty to prepare and fully implement such Plan.

4. 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:

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- a. Areas contributing to a stormwater 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 stormwater 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.
- 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 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 90 days after the inspection.

D. Stormwater Sampling and Reporting

1. 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 inches) storm event.
2. 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. This sampling waiver may not be used more than once during a two-year period.
3. Grab samples shall be collected during the first 30 minutes of the discharge.
4. Stormwater monitoring results shall be summarized on a DMR form and the Department's "Additional Information for the Reporting of Stormwater Monitoring" form.
5. When a facility has two or more outfalls that may reasonably be believed to discharge substantially identical effluents, based on a consideration of features and activities within the area drained by the outfall, the permittee may sample one such outfall and report that the quantitative data also applies to the substantially identical outfalls.
6. The following table describes the outfall locations and drainage areas.

<u>Outfall</u> <u>No.</u>	<u>Acreage</u>	<u>Latitude</u>	<u>Longitude</u>
005A	115.5	40°09'06"	76°43'18"
SO1	16.6	40°08'58"	76°43'19"
SO2	11.9	40°08'53"	76°43'19"
SO3	21.5	40°08'45"	76°43'21"
SO4	0.7	40°09'15"	76°43'41"

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III. CONTROLLING CHEMICAL ADDITIVES USAGE RATES

A. Chemical additives to control corrosion, scaling, algae, slime, fouling, oxygen, etc., and blow down discharge rates shall be managed by the permittee to ensure that toxic effects in the receiving stream are prevented. Usage rates shall be limited to the minimum amount necessary to accomplish the intended purposes of chemical addition and to comply with the effluent limitations contained in Part A of this permit. Approval is limited to chemicals and usage rates contained in the application and in previous approval letters.

B. The additives currently approved are the following:

Ammonium Hydroxide Solution	GE Betz Depositrol PY 5203
GE Betz Inhibitor AZ 8103	GE Betz Depositrol PY 5204
GE Betz Inhibitor AZ 8100	GE Betz Depositrol SF 502
GE Betz Spectrus CT 1300	GE Betz Flogard MS 6208
GE Betz Spectrus DT 1400	GE Betz Flogard MS 6209
GE Betz Spectrus NX 1106	GE Betz HPC 19M
GE Betz Spectrus OX 1201	Hydrazine
GE Betz Steamate PWR 0160	Hydrogen Peroxide
GE Betz Steamate PWR 1440	Lithium Hydroxide
Boric Acid	Sodium Hydroxide
GE Betz Continuum AEC 3107	Sodium Hypochlorite
Chlorine	Sulfuric Acid
GE Betz Cortrol IS 104	Wood Flour
GE Betz Cortrol OS 5010	Zinc Acetate Dihydrate
GE Betz Depositrol PY 5206	Zinc Orthophosphate

C. Whenever a change in additives or increase in usage rates is desired by the permittee (changes in chemical additive vendors need not be submitted as long as the chemical is substantially the same as one previously approved), a written notification in the format specified by the Department, shall be submitted at least 60 days prior to the proposed use of the chemical. For each proposed chemical or usage rate, the written notification, as a minimum, shall include the following:

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 (lbs/gal) used to convert usage rate (gpd) to in-system concentrations (mg/l).

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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.
 12. Any other data or information the permittee believes would be helpful to the Department in completing its review.
- D. 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 first thoroughly investigate use of alternate products or chemicals to avoid the use of the carcinogens. If no suitable 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.
- E. Accurate records of usage (name of additive, quantity added, date added) of any approved chemical additive and of blow down discharge volumes must be maintained and kept on-site by the permittee. All correspondence and notifications related to the chemical additives usage rates must also be kept on-site with the required daily chemical usage records. If the notification is incomplete or the Department notifies the permittee that the proposed usage rate will cause violations of water quality standards, then use of the requested chemical additive or requested change in its usage rate will be denied.
- F. Based on the information presented, the Department will determine within 60 days whether the existing NPDES permit must be amended to include specific effluent limitations for active ingredients or other control measures. When so required, the permittee will be advised within 60 days that a formal request for a permit amendment is required including a filing fee and Act 14 notices.

If a permit amendment application is not requested within 60 days, the permittee may proceed with the use of the proposed chemical additive or usage rate.

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 001			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Main Station Outfall
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT				XXX	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily	MGD	XXX	XXX	XXX	X	X	Continuous	Recorded
pH	SAMPLE MEASUREMENT	XXX	XXX			XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	6.0 Minimum	XXX	9.0 Maximum	S.U.	X	2/month	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	XXX	XXX		XXX						
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	Report Avg Mo	Report Max Daily	mg/l	X	2/month	Grab
Temperature (10/1 to 3/31)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	110 Max Daily	°F	X	Continuous	Recorded
Temperature (4/1 to 9/30)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	115 Max Daily	°F	X	Continuous	Recorded
Free Available Chlorine	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.2 Max Daily	mg/l	X	(1)	(1)
Total Residual Oxidants (TRO)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.14 Max Daily	mg/l	X	(1)	(1)
Betz Spectrus CT 1300	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.1 Max Daily	mg/l	X	(1)	(1)
Hydrazine	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	Not Detectable I-max	mg/l	X	(1)	(1)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT	TELEPHONE		DATE		
		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

(1) Once per week grab samples during chemical addition. Refer to Permit for further explanation.

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

PA 0009920				OUTFALL 101			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Sewage Treatment Plant
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT			MGD	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily		XXX	XXX	XXX		X	Continuous	Recorded
FECAL COLIFORM (5/1 to 9/30)	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX		XXX	No. 100 ml			
	PERMIT REQUIREMENT	XXX	XXX		XXX	200 30 Day Geo	XXX		X	1/quarter	Grab
FECAL COLIFORM (10/1 to 4/30)	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX		XXX	No. 100 ml			
	PERMIT REQUIREMENT	XXX	XXX		XXX	2,000 30 Day Geo	XXX		X	1/quarter	Grab
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX		XXX	mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	30 Avg Mo	XXX		X	1/quarter	8-hr comp
5-DAY CBOD	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX		XXX	mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	25 Avg Mo	XXX		X	1/quarter	8-hr comp
TOTAL PHOSPHORUS	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX		XXX	mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	2.0 Avg Mo	XXX		X	1/quarter	8-hr comp

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT	TELEPHONE		DATE		
		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 401			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Industrial Waste Filter System
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT			MGD	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily		XXX	XXX	XXX		X	Continuous	Recorded
pH	SAMPLE MEASUREMENT	XXX	XXX	XXX		XXX		S.U.			
	PERMIT REQUIREMENT	XXX	XXX		6.0 Minimum	XXX	9.0 Maximum		X	1/quarter	Grab
TSS	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	30 Avg Mo	100 Max Daily		X	1/quarter	Grab
OIL AND GREASE	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	15 Avg Mo	20 Max Daily		X	1/quarter	Grab

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT		TELEPHONE		DATE		
				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 501			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Unit 1 Secondary Neutralizer Tank
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT			MGD	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily		XXX	XXX	XXX		X	2/month	Calc.
pH	SAMPLE MEASUREMENT	XXX	XXX	XXX		XXX		S.U.			
	PERMIT REQUIREMENT	XXX	XXX		6.0 Minimum	XXX	9.0 Maximum		X	2/month	Grab
TSS	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	30 Avg Mo	100 Max Daily		X	2/month	Grab
Oil and Grease	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	15 Avg Mo	20 Max Daily		X	1/quarter	Grab

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		TELEPHONE		DATE		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER				
TYPE OR PRINTED		OF AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 701			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Industrial Waste Treatment System
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT				XXX	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily	MGD	XXX	XXX	XXX	XXX	X	Continuous	Recorded
pH	SAMPLE MEASUREMENT	XXX	XXX			XXX					
	PERMIT REQUIREMENT	XXX	XXX	XXX	6.0 Minimum	XXX	9.0 Maximum	S.U.	X	2/month	Grab
TSS	SAMPLE MEASUREMENT	XXX	XXX		XXX						
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX	30 Avg Mo	100 Max Daily	mg/l	X	2/month	Grab
Oil and Grease	SAMPLE MEASUREMENT	XXX	XXX		XXX						
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX	15 Avg Mo	20 Max Daily	mg/l	X	1/quarter	Grab

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		TELEPHONE		DATE		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER				
TYPE OR PRINTED		OF AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 003			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Emergency Discharge (001 blockage)
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT				XXX	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily	MGD	XXX	XXX	XXX	X	X	1/day	Estimated
pH	SAMPLE MEASUREMENT	XXX	XXX			XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	6.0 Minimum	XXX	9.0 Maximum	S.U.	X	2/month	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	XXX	XXX		XXX						
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	Report Avg Mo	Report Max Daily	mg/l	X	2/month	Grab
Temperature (10/1 to 3/31)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	110 Max Daily	°F	X	1/shift	"i-s"
Temperature (4/1 to 9/30)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	115 Max Daily	°F	X	1/shift	"i-s"
Free Available Chlorine	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.2 Max Daily	mg/l	X	(1)	(1)
Total Residual Oxidants (TRO)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.14 Max Daily	mg/l	X	(1)	(1)
Betz Spectrus CT 1300	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.1 Max Daily	mg/l	X	(1)	(1)
Hydrazine	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	Not Detectable I-max	mg/l	X	(1)	(1)

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		TELEPHONE		DATE		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER	AREA CODE	NUMBER	YEAR	MO	DAY
TYPE OR PRINTED	OF AUTHORIZED AGENT					

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

(1) Once per week grab samples during chemical addition. Refer to Permit for further explanation.

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

PA 0009920				OUTFALL 004			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Emergency Discharge (MDCT blockage)
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
Flow	SAMPLE MEASUREMENT				XXX	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily	MGD	XXX	XXX	XXX	X	X	1/day	Estimated
pH	SAMPLE MEASUREMENT	XXX	XXX			XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	6.0 Minimum	XXX	9.0 Maximum	S.U.	X	2/month	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	XXX	XXX		XXX						
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	Report Avg Mo	Report Max Daily	mg/l	X	2/month	Grab
Temperature	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	Report Max Daily	°F	X	1/shift	"i-s"
Free Available Chlorine	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.2 Max Daily	mg/l	X	(1)	(1)
Total Residual Oxidants (TRO)	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.14 Max Daily	mg/l	X	(1)	(1)
Betz Spectrus CT 1300	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	0.1 Max Daily	mg/l	X	(1)	(1)
Hydrazine	SAMPLE MEASUREMENT	XXX	XXX		XXX	XXX					
	PERMIT REQUIREMENT	XXX	XXX	X	XXX	XXX	Not Detectable I-max	mg/l	X	(1)	(1)

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT		TELEPHONE		DATE		
				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

(1) Once per week grab samples during chemical addition. Refer to Permit for further explanation.

NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 005B			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Miscellaneous Industrial Wastewater
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT			MGD	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Max Daily		XXX	XXX	XXX		X	1/month	Est.
pH	SAMPLE MEASUREMENT	XXX	XXX	XXX		XXX		S.U.			
	PERMIT REQUIREMENT	XXX	XXX		6.0 Minimum	XXX	9.0 Maximum		X	2/month	Grab
TSS	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	30 Avg Mo	100 Max Daily		X	2/month	Grab
Oil and Grease	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			mg/l			
	PERMIT REQUIREMENT	XXX	XXX		XXX	15 Avg Mo	20 Max Daily		X	2/month	Grab

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT		TELEPHONE		DATE		
				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME
ADDRESS

Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
Route 441 South
PO Box 480
Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL 005A			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Storm Water
LOCATION Londonderry Township, Dauphin County
WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUALITY OR CONCENTRATION			NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		COMPOSITE	GRAB	UNITS			
Oil and Grease	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
pH	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	S.U.	X	1/year	Grab
5-DAY CBOD	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
CHEMICAL OXYGEN DEMAND	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL KJELDAHL NITROGEN	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL PHOSPHORUS	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
IRON, DISSOLVED	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT	TELEPHONE		DATE		
		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME
ADDRESS

Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
Route 441 South
PO Box 480
Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL SO1			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Storm Water
LOCATION Londonderry Township, Dauphin County
WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUALITY OR CONCENTRATION			NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		COMPOSITE	GRAB	UNITS			
Oil and Grease	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
pH	SAMPLE MEASUREMENT	XXX		S.U.			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
5-DAY CBOD	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
CHEMICAL OXYGEN DEMAND	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
TOTAL KJELDAHL NITROGEN	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
TOTAL PHOSPHORUS	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
IRON, DISSOLVED	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information. The information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPE OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT	TELEPHONE		DATE		
		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME
ADDRESS

Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
Route 441 South
PO Box 480
Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL SO2			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Storm Water
LOCATION Londonderry Township, Dauphin County
WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUALITY OR CONCENTRATION			NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		COMPOSITE	GRAB	UNITS			
Oil and Grease	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
pH	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	S.U.	X	1/year	Grab
5-DAY CBOD	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
CHEMICAL OXYGEN DEMAND	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL KJELDAHL NITROGEN	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL PHOSPHORUS	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
IRON, DISSOLVED	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab

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		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

NAME
ADDRESS

Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
Route 441 South
PO Box 480
Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL SO3			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Storm Water
LOCATION Londonderry Township, Dauphin County
WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUALITY OR CONCENTRATION			NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		COMPOSITE	GRAB	UNITS			
Oil and Grease	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
pH	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	S.U.	X	1/year	Grab
5-DAY CBOD	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
CHEMICAL OXYGEN DEMAND	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL KJELDAHL NITROGEN	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
TOTAL PHOSPHORUS	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab
IRON, DISSOLVED	SAMPLE MEASUREMENT	XXX					
	PERMIT REQUIREMENT	XXX	Monitor & Report	mg/l	X	1/year	Grab

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		AREA CODE	NUMBER	YEAR	MO	DAY

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NAME Exelon Generation Company, LLC NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 ADDRESS Route 441 South
 PO Box 480
 Middletown, PA 17057-0480

DISCHARGE MONITORING REPORT

PA 0009920				OUTFALL SO4			
MONITORING PERIOD							
FROM:	YEAR	MO	DAY	TO:	YEAR	MO	DAY

PAGE 1 OF 1

FACILITY Storm Water
 LOCATION Londonderry Township, Dauphin County
 WATERSHED 7-G

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

PARAMETER		QUALITY OR CONCENTRATION			NO EX	ANALYSIS FREQUENCY	SAMPLE TYPE
		COMPOSITE	GRAB	UNITS			
Oil and Grease	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
pH	SAMPLE MEASUREMENT	XXX		S.U.			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
5-DAY CBOD	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
CHEMICAL OXYGEN DEMAND	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
TOTAL KJELDAHL NITROGEN	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
TOTAL PHOSPHORUS	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab
IRON, DISSOLVED	SAMPLE MEASUREMENT	XXX		mg/l			
	PERMIT REQUIREMENT	XXX	Monitor & Report		X	1/year	Grab

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		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (PLEASE USE SEPARATE SHEET OF PAPER IF NECESSARY).

DISHAR MONITORING REPORT SUPPLEMENTAL FORM (W)
Exelon Generation Co., LLC (TMI Nuclear Station) 7-G Watershed
 Londonderry Township, Dauphin County

For the MONTH

20

Renewal application DUE DATE is APRIL 30, 2012.
 This permit will EXPIRE on OCTOBER 31, 2012.

DAY	Flow MGD	pH S.U.	TSS mg/l	Temp °F	Cl ₂ Free mg/l	Total Residual Oxidants (TRO) mg/l	Spectrus CT 1300 mg/l	Hydrazine mg/l	Comments
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Avg									

Laboratory Name: _____ In house? _____

Signature _____

NPDES Permit PA 0009920 for Outfall 001

Telephone: (_____) _____

DISCHARGE MONITORING REPORT SUPPLEMENTAL FORM (W)
Exelon Generation Co., LLC (TMI Nuclear Station) 7-G Watershed
 Londonderry Township, Dauphin County

For the MONTH _____

20

Renewal application DUE DATE is APRIL 30, 2012.
 This permit will EXPIRE on OCTOBER 31, 2012.

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg
-----	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Outfall 501				
Flow	pH	TSS	O&G	
MGD	SU	mg/l	mg/l	

Exelon Generation Co., LLC (TMI Nuclear Station) 7-G Watershed
Londonderry Township, Dauphin County

1. A non-compliance discharge of _____
occurred on this (these) dates: _____
2. The impact on the receiving water was (circle those that apply): 1. Foam 2. Sheen 3. Discoloration 4. Odors 5. Solids deposited 6. Fishkill
7. Did not determine 8. Other (describe): _____
3. The cause of the non-compliance discharge was: _____
4. The non-compliance discharge continued from the period of (date) _____ and (time) _____
to (date) _____ and (time) _____ or will continue until (date) _____
and (time) _____
5. The following action is being taken to **prevent** a recurrence or another non-compliance discharge of this nature: _____

6. The following analyses were made to determine the impact and the extent of the impact upon the receiving waters (effluent, stream, other): _____

7. The Department of Environmental Protection was notified of the non-compliance on (date) _____ at (time) _____
The person(s) contacted was (were): _____
Signature _____ Title _____ Date _____

Discharge Monitoring Reports & Supplemental Report Forms (Instructions and helpful hints for their completion)

Please find attached your Discharge Monitoring Report (DMR) and Supplemental Report forms. These forms are used in the self-monitoring program as required by your NPDES permit. You should make copies of these forms for your use. The reporting period is generally a calendar month. Your reports must be received by the 28th day of the following month. Please see that all treatment facility personnel are aware of the permit and DMR form. We seek your assistance in preventing errors and reporting mistakes.

DISCHARGE MONITORING REPORTS (DMRs)

- Inspect the form and contact us immediately if you find errors or omissions. Do not change or add information yourself.
- Complete all blocks where we have listed an entry under Permit Condition. This includes the FREQUENCY OF ANALYSIS and SAMPLE TYPE columns. Do not complete any other blocks.
- Make sure your reports are neat and legible. Submit original DMR, signed in ink to DEP.
- Report in the same significant figures as shown on Effluent Limitations, Monitoring, Recordkeeping, and Reporting Requirements page.
- Report in the same units shown on the DMR.
- List the number of times a particular permit condition has been exceeded under the NO EX column. This would include daily, weekly, and monthly limitations. If there were none for that month, enter zero (0). This does not apply to flow.

If there was no discharge for a particular outfall, a DMR must still be submitted. Write "NO DISCHARGE" on the FLOW line or on the first parameter line if FLOW is not listed.

- If a particular parameter is conditional on other parameters (such as FLOW or TEMPERATURE), it may not always be reportable. If this is the case, write "NO DISCHARGE" on that parameter line and provide an explanation.
- If you have **quantity** limits (loadings) listed on the DMR, you will need to calculate the **quantity** in lb/day. To do this, use the following formula:

$$\text{mg/l (concentration)} \times \text{MGD (Flow)} \times 8.34 \text{ lb/gal} = \text{lb/day}$$

- The monthly average lb/day is the sum of all the daily lb/day results divided by the number of days you sampled. Do not use monthly average flow and monthly average concentration in the above formula.
- All effluent samples taken using approved methods must be recorded on the Supplemental form and reported on the DMR.
- For every day you sample the effluent, you should record the sample result for that day. The discharge flow should be recorded in million gal/day for that day, (a 24-hour period). Use these figures to calculate the lb/day in the formula above.
- Use > (greater than), < (less than) - the method detection limit to report results that are above or below the detection limit and cannot be quantified. Use the method detection limit for calculating loadings if values are less than detection limit.

A Water/Wastewater calculator is available on the Department's Water/Wastewater information site at:

<http://www.dep.state.pa.us/dep/deputate/waterops/index.htm>

Enter the site and click on: Water/Wastewater Calculators.

Supplemental Form (W)

This form is used for many industrial dischargers and in conjunction with Supplemental Form (S) for some sewage facilities. The column headings in Form (W) are matched to individual permit requirements.

- **Flow.** Report in million gallons (MG). For example: 13,000 gallons = 0.013 MG; 7,500 gallons = 0.0075 MG; 540 gallons = 0.00054 MG; if no flow, indicate by printing "NO FLOW".
- **Total Suspended Solids (TSS).** Report TSS concentration (mg/l) and quantity (lb/day).
- **pH.** Record the pH of the effluent.
- Report effluent parameters at least as often as specified in the permit. Report any influent and process control data as you perform them.
- You may use a computer-generated report for the Supplemental DMR only. Please use the same format as ours. Please contact this office concerning use of your own forms.
- Indicate any outside laboratory use at the bottom of the form. Mark with an **X** if all of the testing is done in-house at your facility.
- Please do **not** send laboratory report forms from your testing laboratory. Do not send your bench sheet or other records, which should be kept at your facility.
- There are a great number of possible column headings for Form (W). Let us know if the abbreviations used are not clear.

We ask that you call us immediately in the event of any equipment breakdown, chemical spill, or shock loading to your influent. Call us also if operational problems result in a failure to achieve your treatment requirements. This includes treatment facility bypasses, pump station failures, and collection system overflows. Violations of effluent limitations for toxic constituents should also be reported. A written report should follow within five (5) days of the event. Refer to your permit for a complete description of the monitoring and reporting responsibilities.

NON-COMPLIANCE DISCHARGE REPORT FORM

Included with the DMR Supplemental Form is a Non-Compliance Discharge Report Form. This form, when properly completed, will suffice as the five-day letter as required in the permit. The following sections must be completed:

1. Describe what was discharged (sludge, raw influent, bypass, etc.) and the date(s) the non-compliance occurred.
2. Circle the applicable stream effects, or describe any unlisted impacts.
3. Explain the cause of the non-compliance. Use the reverse side of the paper or attach additional pages as necessary.
4. Fill in the date(s) and time(s) of the event. Indicate when the event will cease.
5. List here what has been done to reduce, eliminate, and prevent a recurrence of the non-complying discharge.
6. List here any special analyses performed and/or field tests conducted on the discharge and/or stream.

When and who did you notify of the non-complying discharge.

8. Your signature and title.

If you should have any questions, please contact the Water Quality Specialist who inspects your facility. The Specialists can be reached at:

Southcentral Field Office: 717-705-4707

Adams	Fulton	Lancaster (Western)	York
Cumberland	Huntingdon (Eastern)	Lebanon	
Dauphin	Juniata	Mifflin	
Franklin	Lancaster (Eastern)	Perry	

Altoona District Office: 814-946-7290

Bedford Blair Huntingdon (Western)

Reading District Office: 610-916-0100

Berks



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**ANNUAL INSPECTION FORM
FOR NPDES PERMIT FOR DISCHARGES OF
STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES**

Who May Use This Form

This form is to be used by permit holders to comply with the: 1) annual inspection requirement when available as an option to monitoring, and 2) Comprehensive Site Compliance Evaluations and Record Keeping in PART C REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS.

Completing the Form

One form must be completed for each facility or site. Please address all applicable questions and provide documentation to support the responses.

The Annual Inspection shall include visual inspection of all outfalls and a Comprehensive Site Compliance Evaluation. Complete items 10 through 15 for each outfall inspected. Where possible, visual inspection shall identify substances present in the sediment. The Annual Inspection/Certification must identify area(s) contributing pollutant(s) to stormwater discharges(s) and evaluate whether measures to reduce pollutant loadings identified in the PPC Plan are adequate and properly implemented in accordance with terms of the permit or whether additional control measures are necessary. Any deficiencies found during the inspection are to be corrected promptly in accordance with the Comprehensive Site Compliance Evaluations and Record Keeping requirements.

Where to File This Form

When an Annual Inspection is conducted in lieu of monitoring, the permittee shall submit a completed and signed *Annual Inspection Form*, postmarked no later than 28 days after completion of the inspection to the appropriate DEP regional office. All other permittees shall retain the completed and signed form as part of the PPC plan.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**ANNUAL INSPECTION FORM
FOR NPDES PERMIT FOR DISCHARGES OF
STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES**

1. Date of Inspection _____	2. Facility Owner/Operator Name and Address: _____ _____ _____ Tel: _____ Fax: _____
3. NPDES Permit #PA _____	

4. Facility Address and Location Street _____ Municipality _____ County _____

VISUAL INSPECTION

Provide the following information for the storm event

5. Duration _____

6. Estimation of rainfall (in inches) † _____ † The annual inspection should be conducted after a storm event that is greater than 0.1 inches in magnitude and that occurred at least 72 hours from the previous 0.1 inch storm event.

Estimate the time between the previous rain event _____

8. Estimate the total volume (in gallons) for each outfall and report it in item 9. Volume = $C \times I \times A$, where C is the runoff coefficient (i.e., 0.9 for paved and 0.5 for unpaved) I is the rainfall amount (in ft), and A is the area (square feet) drained to the outfall inspected (convert from cubic feet to gallons by multiplying by 7.481).
--

9. Estimate the size of the drainage area (in square feet) for each outfall.
--

Outfall #	Drainage Area	% Paved	% Unpaved	Volume in gallons

Complete the following information for each outfall inspected (items 10 through 15)

SUAL INSPECTION OF OUTFALL NUMBER

10. Description of area(s) that drains to outfall.

11. Description of stormwater management practices, erosion and sedimentation control practices, and other structural control measures that are in place to control pollutants from running off-site.

12. Is there visible flow from the pipe? ☐ Yes ☐ No (Go to number 14)

Pipe Dia. (inches) _____

a. ODOR: Chemical Musty Sewage Rotten Eggs

Other _____

b. COLOR: Clear Red Yellow Brown

Other _____

c. CLARITY: Clear Cloudy Opaque Suspended Solids

Other _____

d. FLOATABLES: Suds Oily Film Garbage Sewage

Other _____

e. DEPOSITS/STAINS: None Oily Sediment

Other _____

f. VEGETATION: None Normal Excessive Inhibited

Other _____

13. Is there standing water present? ☐ Yes ☐ No (Go to number 16)

a. ODOR: Chemical Musty Sewage Rotten Eggs

Other _____

b. COLOR: Clear Red Yellow Brown

Other _____

c. CLARITY: Clear Cloudy Opaque Suspended Solids

Other _____

d. FLOATABLES: Suds Oily Film Garbage Sewage

Other _____

e. DEPOSITS/STAINS: None Oily Sediment

Other _____

f. VEGETATION: None Normal Excessive Inhibited

Other _____

14. Is there any evidence of or potential for any pollutant being discharged at this outfall? ☐ Yes ☐ No

Describe:

If yes, identify substances present in the sediment (if possible).

15. Description of corrective measures taken or planned to remove sediments or debris if found during inspection. Please provide a schedule if actions are planned.

COMPREHENSIVE SITE COMPLIANCE EVALUATION

16. Do drainage maps reflect current conditions?

☐ Yes

☐ No

If no, provide your comments.

Comments: _____

17. Based on review of PPC Plan (including Housekeeping Measures), are any changes, corrections or updates necessary?

☐ Yes

☐ No

If yes, provide your comments.

Comments: _____

18. Have you inspected all structural stormwater controls used to implement the PPC Plan to determine if they are adequate?

☐ Yes

☐ No

If no, provide your comments.

Comments: _____

19. Have you inspected the entire site to determine if erosion and sedimentation control measures are adequate?

☐ Yes

☐ No

If no, provide your comments.

Comments: _____

20. Summarize corrective actions/measures completed or planned to correct any deficiencies found as a result of the inspection. Please provide a schedule if actions are planned.

21. Signature of Inspector

Name of Inspector: _____

Date Report Prepared: _____

Signature of Inspector: _____

24. Signature of Owner/Operator of Facility

Name/Title Principal Executive Officer

Signature

Date

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 Pa. C.S. §4904 (relating to unsworn falsification).



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**ADDITIONAL INFORMATION
FOR THE REPORTING OF STORMWATER DISCHARGE MONITORING**

(This form must be completed and submitted with the DMR form for each outfall sampled)

A. PERMITTEE'S NAME:		OUTFALL/DISCHARGE NO.:
FACILITY/LOCATION:		
B. SAMPLED STORM EVENT		
Provide the date of storm event:		Provide the duration (in hours) of storm event:
Estimate rainfall measurements (in inches) of the storm which generated the sample runoff:		Estimate the duration between the storm event sampled and the end of the previous measurement (greater than 0.1 inch rainfall) storm event:
Drainage area and volume of runoff		
(1) Paved area _____ square feet x 0.9 (estimated runoff coefficient) x rainfall _____ inches x 0.6234 = _____ gallons		
(2) Unpaved area _____ square feet x 0.5 (estimated runoff coefficient) x rainfall _____ inches x 0.6234 = _____ gallons		
Total area _____ square feet		Total volume of discharge _____ gallons
C. GRAB SAMPLE METHODOLOGY		
If a grab sample during the first 30 minutes of the discharge was impracticable, and the sample was instead taken during the first hour of the discharge, describe the circumstances:		
D. SAMPLE WAIVER		
If samples could not be collected due to adverse climatic conditions, describe why samples could not be collected. Attach available documentation of the event.		
If monitoring data submitted is being used to represent other substantially identical outfalls, summarize on a drainage area and volume of runoff under item B. above for each outfall.		