

Appendix A
NPDES Permit

Peach Bottom Atomic Power Station Environmental Report – Operating License Renewal Stage



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Southcentral Regional Office

September 22, 2014

UPS TRACKING NO. 1Z169631A898731013

Mr. Francis M. Leone
Peach Bottom Chemistry Manager
Exelon Generation Company LLC
1848 Lay Road
Delta, PA 17314-9032

Re: Final NPDES Permit - Industrial Waste
Peach Bottom Atomic Power Station
NPDES Permit No. PA0009733
Authorization ID No. 1011996
Peach Bottom Township, York County

Dear Mr. Leone:

Your NPDES permit is enclosed. Please read the permit carefully. The permit expires on the date identified on page 1 of the permit. A renewal application must be submitted to this office 180 days prior to the permit expiration date, if a discharge is expected to continue past the expiration date of the permit. Also, DEP's comment-response document is attached to this letter. DEP has decided to prepare this document to address written comments received during the 30-day comment period.

Enclosed are Discharge Monitoring Report (DMR) templates and DMR instructions. It is recommended that you retain the DMR templates in the event you are unable to submit DMRs electronically through DEP's eDMR system. Routine use of the eDMR system is a requirement of the permit unless the conditions in Part A III.B of the permit are met to withdraw from the eDMR system.

Also enclosed is a Supplemental Form Inventory, which identifies the forms that are attached to the permit and must be submitted as attachments to eDMR reports, as applicable (see individual form instructions). The submission of other supplemental forms may be required in accordance with the permit. We encourage you to use the spreadsheet versions of supplemental forms that contain appropriate validation and DEP-approved calculations.

Part C of the permit contains requirements relating to chemical additives. These requirements have changed in comparison to previous permits. Please review the chemical additives requirements carefully and contact this office if you have questions. Additional information may be found on DEP's website at www.depweb.state.pa.us/chemicaladditives.

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, P.O. 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.

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 contact Jinsu Kim at 717.705.4825 or jikim@pa.gov.

Sincerely,



Maria D. Bebenek, P.E.
Environmental Program Manager
Clean Water Program

Enclosures

cc: U. S. Environmental Protection Agency
Lora L. Zimmerman, U.S. Fish and Wildlife Service
Mark A. Hartle, PA Fish & Boat Commission
Rick Sands, URS Corporation
Joseph Brozonis, P.E., Exelon Generation Company, LLC
Central Office, Division of Operations, Monitoring and Data Systems
Shawn Arbaugh (PA DEP)

Supplemental Form Inventory

The following supplemental forms (indicated in the check box column) are attached to this permit and must be completed and submitted to DEP in accordance with the permit and the supplemental form instructions. If the eDMR system is used to submit DMR reports, the spreadsheet versions of these supplemental forms, where applicable, should be used and attached to the eDMR submissions. A link to DEP's supplemental form website is available when logging into the eDMR system.

Check Box	Supplemental Form Name and No.
<input checked="" type="checkbox"/>	Daily Effluent Monitoring (3800-FM-BPNPSM0435)
<input type="checkbox"/>	Influent & Process Control (3800-FM-BPNPSM0436)
<input type="checkbox"/>	Hauled in Municipal Wastes (3800-FM-BPNPSM0437)
<input type="checkbox"/>	Sewage Sludge/Biosolids Production and Disposal (3800-FM-BPNPSM0438)
<input checked="" type="checkbox"/>	Chemical Additives Usage (3800-FM-BPNPSM0439)
<input checked="" type="checkbox"/>	Non-Compliance Reporting Form (3800-FM-BPNPSM0440)
<input type="checkbox"/>	CSO Monthly Summary Report (3800-FM-BPNPSM0441)
<input type="checkbox"/>	CSO Detailed Report (3800-FM-BPNPSM0442)
<input type="checkbox"/>	Groundwater Monitoring Data Report (3800-FM-BPNPSM0443)
<input type="checkbox"/>	Nutrient Monitoring (3800-FM-BPNPSM0444)
<input type="checkbox"/>	Nitrogen Budget (3800-FM-BPNPSM0445)
<input type="checkbox"/>	Phosphorus Budget (3800-FM-BPNPSM0446)
<input type="checkbox"/>	Annual Nutrient Summary (3800-FM-BPNPSM0447)
<input type="checkbox"/>	TMDL Annual Load Summary (3800-FM-BPNPSM0448)
<input type="checkbox"/>	Land Application Systems (3800-FM-BPNPSM0449)
<input type="checkbox"/>	Hauled in Residual Wastes (3800-FM-BPNPSM0450)
<input type="checkbox"/>	Surface Water Monitoring Data Report (3800-FM-BPNPSM0461)
<input checked="" type="checkbox"/>	Lab Accreditation Form (3800-FM-BPNPSM0189)
<input type="checkbox"/>	Whole Effluent Toxicity Test Summary Report (3800-FM-BPNPSM0485)
<input checked="" type="checkbox"/>	Storm Water Annual Inspection Form (3800-PM-WSFR0083v)
<input checked="" type="checkbox"/>	Storm Water Additional Information (3800-PM-WSFR0083t)
<input type="checkbox"/>	Other: <input type="text"/>

Comment / Response Document
For
Draft NPDES Permit No. PA0009733

Friday, August 22, 2014

Applicant Name: Exelon Generation Company, LLC
Facility Name: Peach Bottom Atomic Power Station
Municipality/County: Peach Bottom Township/York
Facility Type: Major Industrial Wastewater Facility ≥ 250 MGD

GENERAL DISCUSSION

The Pennsylvania Department of Environmental Protection (DEP) has prepared the draft National Pollutant Discharge Elimination System (NPDES) permit for Peach Bottom Atomic Power Station (PBAPS). The draft permit was mailed on July 2, 2014. A public notice of the draft permit was published in the *Pennsylvania Bulletin* on July 5, 2014. Following the publication of the notice, a 30-day comment period was provided for interested persons to submit written comments on the draft permit. During the comment period, a number of comments were received that necessitated the development of this document. These comments were submitted by the following individuals/organizations:

Commenters:

- (1) Joel Blanco-González
U.S. Environmental Protection Agency
NPDES Permits Branch (3WP41)
Office of Permits and Enforcement
Water Protection Division, U.S. EPA Region 3
1650 Arch Street,
Philadelphia, PA 19103-2029
- (2) Joseph, Brozonis, P.E.,
Sr. Environmental Chemist
Exelon Nuclear – Chemistry Department
Peach Bottom Atomic Power Station
1848 Lay Road,
Delta, PA 17314-9032
- (3) Melinda Turner
U.S. Fish and Wildlife Service
Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, PA 16801-4850
- (4) Mark Hartle
Aquatic Resources Section Chief
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane,
Bellefonte, PA 16823

Throughout this document, the numbers listed above will be used to identify the individual who made the comment. The number will be listed in parentheses following the comment. DEP's response will be listed following the comment.

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

Comment: The ELG requirement at 40 CFR 423.13(d)(1) states that the quantity of pollutants discharged in cooling tower blowdown shall not exceed the quantity determined by multiplying the flow of cooling tower blowdown times the concentration that is listed in the referenced table for the 126 priority pollutants in Appendix A. While the fact sheet documents that the chemical additives were evaluated for appropriate usage rates, it is unclear whether the priority pollutants contained in chemical additives were evaluated for compliance with this regulation. **(1)**

Response: Considering industrial activities performed at the site, the facility is not subject to the BAT standards found in 40 CFR § 423.13(d)(1). The discharge is once-through noncontact cooling water from the condensers of two generating units; therefore, no cooling tower blowdown is expected from PBAPS (40 CFR § 423.11(j)). Chemical additives used in the cooling water system are not expected to be present in the effluent according to the renewal application. A build-up of materials in the system is not expected as PBAPS utilizes once-through cooling and these chemical additives will be injected infrequently. Therefore, concentrations of pollutants in chemical additives are not of concern. NALCO H150M, a chemical additive used mainly for the water system, will also be monitored when it is introduced per Part A.I.A. of the draft permit. The proposed usage rates of chemical additives are acceptable based on the DEP's chemical additive analysis. Any new chemical additive or increase in the usage rate of the existing chemical additive will be re-evaluated by DEP as specified in Part C.IV.A.3 of the draft permit.

Comment: Nuclear power plants typically generate cooling water, metal cleaning wastes (both chemical and nonchemical), and other low volume wastestreams. Because there are many different processes at plants that use metal equipment, there are a variety of metal cleaning wastes that are generated. Pollutants such as Oil and Grease, Total Suspended Solids, Iron, and Copper are expected to be present in metal cleaning wastes effluent. The term metal cleaning waste means any wastewater resulting from cleaning (with or without chemical cleaning compounds) any metal process equipment including, but not limited to, boiler tube cleaning, boiler fireside cleaning, and air preheater cleaning. There is not enough information for us to determine the existence of such processes at the facility. If there are related processes, then the draft permit should apply the technology-based requirements for such discharges. **(1)**

Response: The NPDES permit renewal application as well as the current NPDES permit does not address the discharge of treated industrial wastewater resulting from cleaning any metal process equipment. Based on a site visit dated April 3, 2014, there is no indication of metal cleaning wastes being discharged to waters of the Commonwealth. According to Exelon, the metal cleaning is performed in the area with no pathway to drains that lead to a storm drain or waterway. Any metal cleaning wastes generated from PBAPS will be collected in a drum. This drum will then be transported to the hazardous waste yard for pickup by an approved disposal vendor. The metal cleaning waste generated from PBAPS will be not discharged into waters of the Commonwealth; therefore, the technology-based requirements for metal cleaning wastes are not applicable. However, since DEP believes there is the potential that the storage area may be exposed to stormwater, Exelon will be required, as specified in the draft permit, to sample Oil and Grease, Total Suspended Solids, Iron and Copper at all stormwater outfalls. DEP has determined that no additional requirements are necessary for this waste.

Comment: In accordance with the PADEP Central Office directive, dated January 23, 2014, an analysis should be made to determine if the draft permit should be revised to include monitoring requirements for sulfate, chloride, bromide, and 1,4-dioxane. As stated in the directive:

"For point source discharges and upon issuance or reissuance of an individual NPDES permit:

- Where the concentration of TDS in the discharge exceeds 1,000 mg/L, or the net TDS load from a discharge exceeds 20,000 lbs./day, and the discharge flow exceeds 0.1 MGD, Part A of the permit should include monitor and report for TDS, sulfate, chloride, and bromide. Discharges of 0.1 MGD or less should monitor and report for TDS, sulfate, chloride, and bromide if the concentration of TDS in the discharge exceeds 5,000 mg/L.*

- *Where the concentration of bromide in a discharge exceeds 1 mg/L and the discharge flow exceeds 0.1 MGD, Part A of the permit should include monitor and report for bromide. Discharges of 0.1 MGD or less should monitor and report for bromide if the concentration of bromide in the discharge exceeds 10 mg/L.*
- *Where the concentration of 1,4-dioxane (CAS 123-91-1) in a discharge exceeds 10 µg/L and the discharge flow exceeds 0.1 MGD, Part A of the permit should include monitor and report for 1,4-dioxane. Discharges of 0.1 MGD or less should monitor and report for 1,4-dioxane if the concentration of 1,4-dioxane in the discharge exceeds 100 µg/L.”*

As stated in EPA’s August 28, 2013 letter, EPA believes that bromide in wastewater from some industrial discharges has the potential to contribute to elevated levels of bromide in rivers and streams, and that these elevated levels may cause impacts at downstream drinking water treatment plants based on credible evidence. Attached is a copy of the letter, describing the basis to include bromide as part of the NPDES permit application effluent characterization. Also, you will find EPA’s recommendation on how to better characterize this parameter of concern by incorporating effluent monitoring and reporting requirements in NPDES permits. (1)

Response: Outfall 001 ultimately receives effluents discharged from other outfalls. Based upon monitoring data provided in the permit application, the effluent TDS concentration at Outfall 001 is less than 1,000 mg/L. The net TDS load at Outfall 001 is also calculated to be less than 20,000 lbs./day. In addition, the data is showing that bromide in the Outfall 001 effluent is non-detected using a method detection limit (MDL) of 1.0 mg/L. Accordingly, DEP has determined that the requirement to monitor TDS as well as its major constituent solids is not needed for PBAPS. In general, the permittee is required to furnish, if requested by DEP, additional monitoring data for bromide during the permit term. Based on the data, the permit can be modified to include any necessary requirements per Part B.I.C.1 and 40 CFR §§ 122.41(h) and 122.62(a).

Comment: Page 2, Part A, I.A and Page 12, Footnote 6; NALCO H150M - Footnote No. 10 of our current permit requires one sample per application and Footnote No.6 of the draft permit requires on sample daily. Since prior NALCO H150M analysis results have been non-detectable we appreciate consideration for retaining the sample frequency of once per application as listed in the current permit. (2)

Response: Considering the quantity and frequency of chemical application, DEP has determined that samples can be collected once per application. Accordingly, the language specified in Footnote No. 6 of the permit will be modified as follows: “Monitoring shall be conducted ~~daily~~ when the product is introduced to circulating and/or service water systems. At least one grab sample shall be collected once per application. See Part C. IV of the permit for the chemical additive requirements”.

Comment: Page 2. Part A, I.A and Page 6, Part A, I.E; Type of Effluent - We appreciate considering adding the word “treated” in front of “sewage” to more accurately represent the type product released from our sewage treatment plant to Outfalls 001 and 005, respectively. (2)

Response: DEP will include the word “treated” in front of “sewage” in the permit.

Comment: Page 3, Part A, I.B, Outfall 002/007; Temperature - Due to the monthly or quarterly monitoring frequency listed for other parameters of these outfalls we would appreciate the Department’s consideration in changing the frequency of temperature monitoring and reporting to a monthly frequency as opposed to daily. We believe the monthly monitoring results will provide sufficient temperature data for these non-continuous and low flow outfalls. (2)

Response: The proposed daily temperature monitoring requirement for Outfalls 002 and 007 will remain in the permit. This was established in the draft permit on a case-by-case basis using best professional judgment (BPJ) in accordance with 40 CFR §§ 122.44(i)(2) and 122.48(c). Over the past several years, the permittee has not been required to monitor temperature at Outfalls 002 and 007, resulting in no actual data available to determine thermal impact from these outfalls. DEP strongly believes that daily temperature monitoring will provide a more accurate data set to understand the level of environmental impact as a result of thermal discharges from these outfalls. While a total volume of flow discharged from Outfalls 002 and 007 is

relatively small compared to Outfall 001 effluent, it is still considerable (i.e., each outfall discharges the effluent at a maximum rate of 0.528 MGD) and the discharge typically occurs once a day (i.e., “The outer screen structure back wash pumps typically run 1 hour/day” 5/20/2014 email). Based on the nature and quantity of effluents from Outfalls 002 and 007, DEP has determined that daily temperature monitoring is appropriate. This is also recommended by DEP’s Permit Writers Manual (Document ID: 362-0400-001) and DEP’s Implementation Guidance for Temperature Criteria (Document ID: 391-2000-017).

Comment: Page 9, Part A, H and Page 11, Part A, J.- We appreciate the Department’s consideration in removing the PCB sampling requirement for these storm water outfalls whose inputs are received from non-industrial areas such as parking lots or roadways. PCB sampling/analysis is not normally required for these type of areas. **(2)**

Response: Based on the review, DEP will include the PCB sampling requirement in the permit only for those stormwater outfalls that collect and convey stormwater drained from the areas associated with industrial activities. These outfalls, in the opinion of DEP, are Outfall nos. 019, 020, 021, 026, 027, 028, and 029. Accordingly, the permit will include the following footnote in Part A: “Samples for Total PCBs may only be collected at Outfall nos. 019, 020, 021, 026, 027, 028, and 029.”

Comment: Part A, I (Comment applies to multiple outfalls) - The DMR page of the current permit includes the following statement for Outfall Nos. 001, 003, 004, 005, 006, and 009a:

“The instantaneous maximum discharge limitations are for compliance used by the Department only. Do not report instantaneous maximums on the Discharge Monitoring Report (DMR) unless specifically requested on these forms to do so.”

We would appreciate continued use of this statement on the appropriate DMR pages to clarify those parameters required to be monitored and reported against the instantaneous maximum limits by the Permittee versus those that apply to the Department only. **(2)**

Response: As part of statewide consensus, DEP no longer uses this language in the permit. Accordingly, the abovementioned language will not be included in the permit. The DMR reporting template will not specify a limit in the IMAX column for any parameters that are measured through the collection of composite samples.

Comment: Page 12, Part A, Footnote (5). Please change the second word on the second line from “re” to “be”. Also, the first word on the sixth line should be changed to “specifications” instead of “specificacations”. **(2)**

Response: All typographical errors in Footnote 5 of Part A will be corrected at issuance of the permit.

PART C.I – CLEAN WATER ACT SECTION 316(a) ALTERNATE THERMAL LIMITATIONS

Comment: According to the draft permit and fact sheet, the facility has been granted thermal variances since 1980s and has requested continuation of the variance for this permit renewal. Before a thermal variance can be granted, 40 CFR §§ 125.72 and 125.73 require the permittee to demonstrate that the otherwise applicable thermal discharge effluent limit is more stringent than necessary to assure the protection and propagation of the waterbody’s balanced indigenous population (BIP) of shellfish, fish and wildlife. With respect, but not limited to, the renewal of a prior CWA § 316(a) thermal variance, it is essential that PADEP requires applicants to provide as much of the information described in 40 CFR § 125.72(a) and (b) as necessary to demonstrate that the alternative effluent limit assures the protection and propagation of the BIP. It is recommended to compare, at least, the same timing (e.g., summer year x vs. summer year y). **(1)**

Response: Per Part C.III of the current NPDES permit and 40 CFR §125.72, the permittee provided a 4-year thermal study in support of PBAPS’s alternative effluent thermal limitation. The study covers biological sampling and temperature monitoring at various locations along Susquehanna River, within Conowingo Pond over the course of the study period (i.e., April 1 to October 31 of each year). This study also contains hydrothermal modeling to evaluate changes in the thermal plume created by operation of up to three cooling towers and to

predict the changes to the thermal discharge associated with upcoming Extended Power Uprates (EPUs). Comparisons of collected data as well as predicted temperatures as a result of EPUs were addressed in the study. Based on the information provided in the study, Fact Sheet includes temperature data (i.e., See pages 9, 10, 27, and 28, of Fact Sheet) which represent monthly average temperatures monitored during summer months. Based on the extensive review of this study and additional information provided by the permittee during the permit application process, continuation of the CWA § 316(a) thermal variance is granted contingent upon compliance with conditions specified in Part C.I. of the draft permit. A subsequent monitoring report required under Part C.I. of the draft permit will also be used to re-evaluate the existence/protection of a balanced indigenous community of shellfish, fish and wildlife during post-EPU periods. A brief summary of this study is described on pages 27-33 of fact sheet. Also, please contact DEP for a copy of this study.

Comment: Page 29, Part C, I. - The "June 1" date referenced in the fourth paragraph for the normal start date for the first cooling tower should be changed to "June 15" per prior discussions between PA DEP and Exelon. (2)

Response: This is considered a typographical error and will be corrected at issuance of the permit.

Comment: Page 29, Part C, I. - Exelon requests the inclusion of language within this section that provides the ability to reduce the number of cooling towers operating based on the amount of power operations at the plant. For example, the current permit includes language that "only two towers are required during one unit operation". This statement was included in the current permit based on the fact that during single unit operation there would be insufficient circulating water flow available for operation of three cooling towers. Also, in the event that both nuclear units would require a down power or shutdown, the heated cooling water discharge would decrease considerably or be eliminated. (2)

Response: DEP believes that the seasonal operation of cooling towers based on average intake temperatures is appropriate to assure temperature reduction in July and August of each year. Cooling towers must be operated in compliance with conditions specified in Part C.I of the draft permit to minimize thermal impacts; therefore, DEP has previously determined to remove permit language that allows the permittee to reduce the number of cooling towers operating based on the amount of power operations at the plant. However, in the event that the plant is in low-power or shut-down operations that result in the "off-line" condition for cooling towers, the permittee shall contact DEP to discuss appropriate actions, if necessary, to ensure protection of waters of the Commonwealth.

Comment: Increase cooling during low-flow conditions (i.e., below 36,000 cfs) from October 1 – November 15 to reduce potential impacts to out-migrating juvenile shad. (3)

Response: DEP understands that several studies conducted over the past few years have primarily focused on thermal impacts during warm months. The 316(a) thermal study conducted during the last permit term was also developed in part to study the changes in the thermal plume created by operating up to three cooling towers in which DEP authorized its operation from June 15 to September 15 of each year. Therefore, these studies were not particularly focused on potential impacts on outmigration of juvenile shad during fall and winter months. After consideration of your comment, DEP has determined to consider your comment as a part of the monitoring plan required by Part C.I. of the draft permit. Consequently, the permittee will be asked to obtain information during the upcoming permit term that would focus on outmigration of juvenile shad from October 1 through November 15. This information will be used to evaluate if additional cooling is necessary to prevent potential impacts on outmigration of juvenile shad during the fall season.

Comment: Design and carry out studies to assess the potential effect from elevated water temperatures on American shad. In order to determine how PBAPS's thermal discharge may affect these species, more specific information is needed, including but not limited to how long (distance and time) are upstream and downstream migrants exposed to elevated temperatures (and magnitude) and in relation to seasonal run timing, and how does elevated temperature exposure alter migrant energies, physiology, reproductive status, behavior, survival, for both upstream and downstream migrants, as well as fish passage performance and subsequent fish abundance above Holtwood dam for upstream migrants. These questions should be examined and tested in a scientifically rigorous manner with a control (no thermal discharge baseline) and

treatment conditions (various operational and environmental treatment conditions) over sufficient time periods of study using both laboratory and field approaches, to account for the inherent range of variability in river flow, natural temperature regimes, and shad run timing. (3)

Response: DEP agrees that more information would be necessary to determine how PBAPS's thermal discharge, particularly during post-EPU periods, may affect migratory fishes. Accordingly, the factors you provided in your comment will be considered when developing the monitoring plan as part of the subsequent monitoring report required under Part C.I. of the draft permit.

Comment: Conditions for operation of the third cooling tower correspond to the temperature indicated as severe by the Normandeau thermal study. Figure 5-2 of the study indicates that only a relatively brief time period of approximately July 4 through August 15 for the years 2010 to 2013 in which average daily temperature reached 86 °F. Figure 5-11 indicates that the maximum instantaneous temperature reaches or exceeds 86 °F for almost precisely this same time period. Our agency has dealt with regulation of high temperatures in the Delaware and Lackawaxen Rivers. Under approaches such as those suggested for cooling tower #3, we have found that extreme temperatures usually accompany a heat wave and initiation of tower#3 two days after the onset of high temperatures followed by seven days of operation causes the front end of the extreme temperature period to be missed and potentially unwarranted operation to occur at the end of the seven day period. Therefore, we propose an alternative operation for Cooling Tower#3.

The third cooling tower shall commence operation on the day in which instantaneous intake temperature reaches 86 °F. The tower shall operate continuously for seven days and shall cease operation on the first day, following the seven days, in which the maximum intake water temperature is less than 86 °F. Thereafter, the third tower shall commence and cease operations when the conditions set forth herein reoccur.

We do not recall operationally if a start-up period is required before a cooling tower can be placed in operation. If so, an earlier trigger considering weather forecasts may be prudent. It is difficult to discern from Normandeau study figures if the tower #3 initiation that we have suggested will occur more quickly than tower #2, which uses a starting point of within 48 hours of an 83 °F average daily temperature. The on-off operation of tower #3 during extreme conditions actually targets the time of greatest biological need in our view, and is better served by an instantaneous onset temperature than tower #2, which runs longer term once started. We do not believe the tower #3 operation results in conflict because of its use targeting extreme conditions. (4)

Response: While DEP understands your concern, your proposed alternative would be not reasonably practicable for PBAPS to operate the third cooling tower. As you mentioned, a start-up period is required before the third cooling tower can be placed in operation. Once the cooling tower is filled with water, PBAPS needs to allow the cooling tower to circulate for 24 to 48 hours. For this reason, Part C.I. of the draft permit states that "Average intake temperature listed below are based on the prior two-day rolling average using Unit 2 or Unit 3 circulating water intake temperature instrumentation". Accordingly, PBAPS will monitor 2-day rolling average intake temperature before PBAPS can fully operate the cooling tower.

PART C.II. – COOLING WATER INTAKE STRUCTURE(S)

Comment: Section 316(b) of the Clean Water Act (CWA) requires that the location, design, construction and capacity of cooling water intake structures reflect the best technology available for minimizing adverse environmental impact. Some CWA § 316(b) requirements have been proposed in Part C.II. EPA has finalized standards on CWA § 316(b). Any facility not covered by these national rules will continue to be subject to section 316(b) requirements set by the EPA, state or territorial NPDES Permitting Director on a case-by-case, best professional judgment basis. According to Part B.I.B.1., this permit once is issued may be modified to incorporate any requirements regarding, but not limited to, CWA § 316(b). (1)

Response: DEP has included permit conditions in Part C.II of the draft permit which reflect the final CWA § 316(b) regulation ("final rule"; Docket ID No. EPA-HQ-OW-2008-0667). All 316(b)-related permit conditions

specified in the draft permit are in accordance with new “Director” permitting requirements found in 40 CFR § 125.98 (b). As referenced in this regulation, some of the draft permit requirements were established, per 40 CFR § 125.98(b)(5), on a site-specific basis using DEP’s best professional judgment in accordance with 40 CFR § 125.90(b) and 40 CFR § 401.14. DEP, if necessary, may reopen the permit to modify these conditions to reflect any amended or new 316(b) requirements applicable to PBAPS.

Comment: Consider upgrading PBAPS to a closed cycle system. This mode of operation may help to address the potential impacts of the station cooling water system to aquatic resources by both reducing the loss of fish eggs, larvae, and juveniles to impingement and entrainment and also eliminating or reducing heated effluent discharge into the Susquehanna River until such time as it can be conclusively shown, through the appropriate studies, the permitted discharge is, in fact, not impacting migratory fishery resources. **(3)**

Response: Operating a closed-cycle recirculating system is one of seven alternatives identified in the national impingement mortality BTA standard of the CWA § 316(b) final rule. As PBAPS is subject to this final rule, DEP has included this standard in Part C.II.A. of the draft permit, requiring the permittee to consider a closed cycle system as one of methods for compliance with impingement mortality BTA standard. Additionally, the requirement to provide necessary information is included in Part C.II.B and D of the draft permit to develop site-specific entrainment BTA requirements. This information, using best professional judgment, will be used to evaluate any appropriate technologies, management practices and operating measures that are considered the BTA for impingement and entrainment reductions.

Comment: Monitor the quantity and species of entrained and impinged fish at the water intake structure. Provide an annual report to DEP and USFWS that includes the date/time of year, the number of fish released by species, and the amount of fish mortality by species. Based on the results and information provided, we may be able to provide more informed recommendations regarding potential impacts from entrainment and impingement. **(3)**

Response: As PBAPS’s cooling water intake structure is regulated by the new CWA § 316(b) rule, the permittee will be required to submit information specified in 40 CFR § 122.21(r)(2) through (r)(13) and other relevant information required by DEP. Accordingly, entrainment and impingement data will be submitted as required by conditions specified in Part C.II of the draft permit. In addition, Exelon has already submitted, per Part C.II.C and D of the current NPDES permit, entrainment and impingement mortality characterization studies during the last permit term. Please contact Jinsu Kim to receive copies of these documents.

OTHER COMMENTS

Comment: Permit Effective Date - Due to the expected near term issue date for this permit and the significant amount of new sampling requirements for most outfalls requiring internal procedure revisions, Exelon requests the effective date for the new permit be listed as October 1, 2014 based on an issue date of on or before September 2, 2014. **(2)**

Response: In the event that the permit is issued prior to October 1, 2014, the permit effective date will be October 1, 2014.



**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER
FACILITIES**

NPDES PERMIT NO: PA0009733

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
1848 Lay Road
Delta, PA 17314-9032**

is authorized to discharge from a facility known as **Peach Bottom Atomic Power Station**, located in **Peach Bottom Township, York County**, to **Susquehanna River** in Watershed(s) **7-I** 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 OCTOBER 1, 2014

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON SEPTEMBER 30, 2019

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

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d)(2))

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code 92a.7 (b), (c))

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

DATE PERMIT ISSUED

SEP 22 2014

ISSUED BY

**Maria D. Bebenek, P.E.
Clean Water Program Manager
Southcentral Regional Office**

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

I. A. For Outfall 001, Latitude 39° 44' 54.37", Longitude 76° 15' 20.84", River Mile Index 17.4, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Once-through condenser cooling water, equipment cooling water, emergency service water, treated sewage effluent, water treatment wastewater, stormwater, and other low volume wastes

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Mass Units (lbs/day) ⁽¹⁾			Concentrations (mg/L)			Monitoring Requirements	
	Mass Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum	Minimum Measurement Frequency	Required Sample Type
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/day	Calculation
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Total Residual Chlorine ⁽³⁾	XXX	XXX	XXX	XXX	XXX	0.2	1/day	Grab
Temperature (°F) ^{(4), (5)}	XXX	XXX	XXX	Report	Report	110	Continuous	I-S
Nalco H150M ⁽⁶⁾	XXX	XXX	XXX	XXX	Report	XXX	When Discharging	Grab
Total Nitrogen ⁽⁷⁾	Report Avg Qrtly	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	Calculation
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	1/month	Grab
Total PCBs	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab
Total Nitrogen Intake ^{(7), (8)}	Report Avg Qrtly	XXX	XXX	Report Avg Qrtly	XXX	XXX	1/quarter	Calculation
Total Phosphorus Intake ⁽⁸⁾	Report	XXX	XXX	Report	XXX	XXX	1/month	Grab
Total PCBs Intake ⁽⁸⁾	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab

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

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

I. B. For Outfall 002, Latitude 39° 45' 34.37", Longitude 76° 15' 52.84", River Mile Index N/A, Stream Code 06685
 For Outfall 007, Latitude 39° 45' 39.37", Longitude 76° 15' 54.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Outer intake screen backwash water

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Instant. Maximum	Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/month	Calculation
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
Total Residual Chlorine ⁽³⁾	XXX	XXX	XXX	XXX	XXX	0.2	1/month	Grab
Temperature (°F)	XXX	XXX	XXX	Report	Report	Report	1/day	I-S
Total PCBs	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab

Discharge limited to Raw Intake Screen Backwash Only.
 Debris collected on the intake screens shall be collected and not discharged back to the river. ⁽⁹⁾

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the intake to the screen backwash pumps

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

I. C. For Outfall 003, Latitude 39° 45' 28.38", Longitude 76° 15' 58.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Wastewater from a water treatment settling basin

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Instant. Maximum	Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/month	Calculation
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/month	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	1/quarter	Grab
Total Aluminum	Report	Report	XXX	Report	Report	XXX	1/month	8-Hr Composite

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

at Outfall 003

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

I. D. For Outfall 004, Latitude 39° 45' 30.37", Longitude 76° 16' 0.84", River Mile Index N/A, Stream Code 06685
 For Outfall 006, Latitude 39° 45' 24.37", Longitude 76° 15' 53.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent (Outfall 004): Auxiliary boiler blowdown, Unit 2 yard drain sump water (groundwater), and stormwater
 Type of Effluent (Outfall 006): Overflows from the dredging handling basin

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Minimum ⁽²⁾ Measurement Frequency	Required Sample Type	
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			Instant. Maximum
Flow (MGD)	Report	Report	XXX	XXX	XXX	1/month	Calculation	
Total Suspended Solids	XXX	XXX	XXX	30	100	1/month	Grab	
Oil and Grease	XXX	XXX	XXX	15	20	1/quarter	Grab	

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfalls 004 and 006

PART A EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. E. For Outfall 005, Latitude 39° 45' 26.37", Longitude 76° 15' 59.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Treated sewage effluent

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2015.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Instant. Maximum	Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Annual Average	Daily Maximum	Minimum	Average Monthly	Daily Maximum			
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/day	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	Report	XXX	Report	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	Composite 8-Hr
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/month	Composite 8-Hr
Ammonia-Nitrogen	XXX	XXX	XXX	Report	XXX	Report	2/month	Composite 8-Hr
Total Phosphorus	XXX	XXX	XXX	2.0	XXX	4.0	2/month	Composite 8-Hr
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	Geo Mean	XXX	1,000	2/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	Geo Mean	XXX	10,000	2/month	Grab
Total Nitrogen (lbs/year) ⁽⁷⁾	Report	XXX	XXX	Report	XXX	XXX	1/year	Calculation
Total Phosphorus (lbs/year)	Report	XXX	XXX	Report	XXX	XXX	1/year	Calculation

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

at Outfall 005

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

I. F. For Outfall 005, Latitude 39° 45' 26.37", Longitude 76° 15' 59.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Treated sewage effluent

1. The permittee is authorized to discharge during the period from October 1, 2015 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Annual Average	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report Avg Mo	Report	XXX	XXX	XXX	XXX	1/day	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	XXX	1.6	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	8-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/month	8-Hr Composite
Ammonia-Nitrogen	XXX	XXX	XXX	Report	XXX	Report	2/month	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	2.0	XXX	4.0	2/month	8-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	2/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	2/month	Grab
Total Nitrogen (lbs/year) ⁽⁷⁾	Report	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation
Total Phosphorus (lbs/year)	Report	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation

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

at Outfall 005

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

I. G. For Outfall 008, Latitude 39° 45' 45.37", Longitude 76° 16' 6.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Non-Contact Cooling Water and Stormwater

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾			Concentrations (mg/L)			Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD) ⁽¹⁰⁾	Report	Report	XXX	XXX	XXX	XXX	1/month	Calculation
pH (S.U.) ⁽¹⁰⁾	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
Temperature (°F) ⁽¹⁰⁾	XXX	XXX	XXX	XXX	Report	XXX	1/month	I-S
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total PCBs	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfall 008

PARTIAL EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. H. For Outfall 009, Latitude 39° 45' 46.37", Longitude 76° 16' 10.84", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Wastewater from Outfall 901 (i.e. 009a) and Stormwater

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Instant. Maximum	Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total PCBs	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfall 009b

PART A EFFLUENT LIMITATIONS, MONITORING RECORDKEEPING AND REPORTING REQUIREMENTS

I. I. For Outfall 901, Latitude 39° 45' 46.00", Longitude 76° 16' 12.00", River Mile Index N/A, Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Groundwater in Low Level Radwaste (LLRW) Storage Facility sump

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations				Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)		Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly		
Flow (MGD)	Report	Report	XXX	XXX	1/discharge	Calculation
pH (S.U.)	XXX	XXX	6.0	XXX	1/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	1/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	1/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfall 009a

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

I. J. For Outfalls 010_012 through 018_022, 025, and 030 Latitude See Part C.V.A., Longitude See Part C.V.A., Stream Codes 06685 and 07245 through 033,

Receiving Waters: Susquehanna River and Unnamed Tributary to Susquehanna River (Rock Run Creek)

Type of Effluent: Stormwater

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Instant. Maximum	Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

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

See Part C.V.E.4 of the permit

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

I. K. For Outfalls 019 through 021 and 026 through 029, Latitude See Part C.V.A., Longitude See Part C.V.A., Stream Code 06685

Receiving Waters: Susquehanna River

Type of Effluent: Stormwater

1. The permittee is authorized to discharge during the period from October 1, 2014 through September 30, 2019.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Minimum Measurement Frequency	Required Sample Type	
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			Instant. Maximum
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
Total PCBs ⁽¹¹⁾	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

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

See Part C.V.E.4 of the permit

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

Additional Requirements

The permittee may not discharge:

1. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code 92a.41(c))
2. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code 92a.47(a)(7) and 95.2(2))
3. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code 93.6(a))
4. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. (25 Pa Code 92a.41(c))

Footnotes

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) 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.
- (3) See Part C.III of the permit.
- (4) Effluent temperature monitoring shall be conducted continuously at the end of the discharge channel (at least one measurement every four hours except that monitoring shall only be required once per day if the average temperature on the previous day is less than 47°F). The data shall be averaged for each successive 24-hour period for reporting purposes. Report average daily effluent temperatures on Supplemental DMRs, and the average monthly and maximum daily temperatures recorded during the month on DMRs. If the temperature of 110°F is reached, the permittee shall comply with its procedure to reduce the temperature in the discharge channel to bring the temperature below 110°F. This procedure shall be made available to the Department, upon request.
- (5) The permittee shall maintain all continuous (at least one measurement every four hours except that monitoring shall only be required once per day if the average temperature of the previous day is less than 47°F) temperature measurements for a period of no less than 5 years, and shall provide the data to the Department in electronic format upon request. The temperature sensors shall be designed to achieve a minimum 2.0°F accuracy at all times, and the monitoring system shall be operated, maintained and calibrated pursuant to manufacturer specifications. Calibration records shall be maintained on-site for a period no less than 5 years, and shall be made available to the Department upon request. The accuracy of the monitoring system shall not be used in determining an exceedance of the 110°F limitation as described in Footnote #4 above.
- (6) Monitoring shall be conducted when the product is introduced to circulating and/or service water systems. At least one grab sample shall be collected once per application. See Part C. IV of the permit for the chemical additive requirements.
- (7) Total Nitrogen = Kjeldahl-N plus Nitrate-Nitrite as N.
- (8) Monitoring shall be conducted to identify background concentrations of Total PCBs, Total Nitrogen, and Total Phosphorus. The permittee shall sample the intake and effluent on the same day. For Total Phosphorus and

Total Nitrogen, the permittee shall determine mass loading using the actual flow data for intake and effluent on that day.

- (9) The discharge from Outfalls 002 and 007 is limited to intake screen backwash only. Debris collected on the intake screens shall be collected and managed in accordance with Part C.VI.B.of the permit and not returned to waters of the Commonwealth.
- (10) Monitoring shall be conducted only when discharge of non-contact cooling water occurs. A separate Discharge Monitoring Report (DMR) form will be provided for annual stormwater sampling at Outfall 008.
- (11) Samples for Total PCBS may only be collected at Outfall nos. 019, 020, 021, 026, 027, 028, and 029.

Supplemental Information

The effluent limitations for Outfalls 001, 002, 003, 004, 005, 006, 007, 008 and 901(i.e., 009a) were determined using effluent discharge rates of 2292.0 MGD, 0.528 MGD, 0.32 MGD, 0.054 MGD, 0.05 MGD, 0.0 MGD, 0.528 MGD, 0.32 MGD, 0.021 MGD, respectively.

II. DEFINITIONS

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.

Average refers to the use of an arithmetic mean, unless otherwise specified in this permit. (40 CFR 122.41(l)(4)(iii))

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollutant loading to surface waters of the Commonwealth. The term also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The term includes activities, facilities, measures, planning or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters within this Commonwealth before, during and after earth disturbance activities. (25 Pa. Code 92a.2)

Bypass means the intentional diversion of waste streams from any portion of a treatment facility. (40 CFR 122.41(m)(1)(i))

Calendar Week is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by DEP to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

Clean Water Act means the Federal Water Pollution Control Act, as amended. (33 U.S.C.A. §§1251 to 1387).

Chemical Additive means a chemical product (including products of disassociation and degradation, collectively "products") introduced into a waste stream that is used for cleaning, disinfecting, or maintenance and which may be detected in effluent discharged to waters of the Commonwealth. The term generally excludes chemicals used for neutralization of waste streams, the production of goods, and treatment of wastewater, with the exception of wastewater treatment chemicals containing polyacrylamides.

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 (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; 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. (EPA Form 2C)

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. (EPA Form 2C)

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.

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. (25 Pa. Code 92a.2 and 40 CFR 122.2)

Daily Maximum Discharge Limitation means the highest allowable "daily discharge."

Discharge Monitoring Report (DMR) means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. (25 Pa. Code 92a.2 and 40 CFR 122.2)

Estimated Flow means any method of liquid volume measurement 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.

Geometric Mean means the average of a set of n sample results given by the nth root of their product.

Grab Sample means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. (EPA Form 2C)

Hazardous Substance means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act. (40 CFR 122.2)

Hauled-In Wastes means any waste that is introduced into a treatment facility through any method other than a direct connection to the wastewater collection system. The term includes wastes transported to and disposed of within the treatment facility or other entry points within the collection system.

Immersion Stabilization (i-s) means a calibrated device is immersed in the wastewater until the reading is stabilized.

Instantaneous Maximum Effluent Limitation means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. (25 Pa. Code 92a.2)

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.

Monthly Average Discharge Limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. (25 Pa. Code 92a.2)

Municipal Waste Garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments and from community activities; and sludge not meeting the definition of residual or hazardous waste under this section from a municipal, commercial or institutional water supply treatment plant, waste water treatment plant or air pollution control facility. (25 Pa. Code 271.1)

Non-contact Cooling Water means water used to reduce temperature which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

Residual Waste Garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous. The term does not include coal refuse as defined in the Coal Refuse Disposal Control Act. The term does not include treatment sludges from coal mine drainage treatment plants, disposal of which is being carried on under and in compliance with a valid permit issued under the Clean Streams Law. (25 Pa Code 287.1)

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. (40 CFR 122.41(m)(1)(ii))

Stormwater means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. (25 Pa. Code 92a.2)

Stormwater Associated With Industrial Activity means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant, and as defined at 40 CFR 122.26(b)(14) (i) - (ix) & (xi) and 25 Pa. Code 92a.2.

Total Dissolved Solids means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.

Toxic Pollutant means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. (25 Pa. Code 92a.2)

III. SELF-MONITORING, REPORTING AND RECORDKEEPING

A. Representative Sampling

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity (40 CFR 122.41(j)(1)). Representative sampling includes the collection of samples, where possible, during periods of adverse weather, changes in treatment plant performance and changes in treatment plant loading. If possible, effluent samples must be collected where the effluent is well mixed near the center of the discharge conveyance and at the approximate mid-depth point, where the turbulence is at a maximum and the settlement of solids is minimized. (40 CFR 122.48 and 25 Pa. Code § 92a.61)

2. Records Retention (40 CFR 122.41(j)(2))

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 5 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 3 years from the date of the sample measurement, report or application, unless a longer retention period is required by the permit. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

3. Recording of Results (40 CFR 122.41(j)(3))

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 (40 CFR 122.41(j)(4))

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) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation. Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those approved under 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 Subpart J of 25 Pa. Code Chapter 271), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in this permit.

5. Quality/Assurance/Control

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

- a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA. (40 CFR 122.41(e) 122.41(i)(3))
- 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. (40 CFR 122.41(j)(4))

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. (40 CFR 122.41(e),122.44(j)(1))
2. Discharge Monitoring Reports (DMRs) must be completed in accordance with DEP's published DMR Instructions (3800-FM-BPNPSM0463). DMRs are based on calendar reporting periods unless Part C of this permit requires otherwise. DMR(s) must be received by the agency(ies) specified in paragraph 3 below in accordance with the following schedule:
 - Monthly DMRs must be received within 28 days following the end of each calendar month.

Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.

Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
 - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.
3. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) provided by DEP in this permit (or an approved equivalent), and submit the signed, completed forms as an attachment to the DMR(s). If the permittee elects to use DEP's electronic DMR (eDMR) system, one electronic submission may be made for DMRs and Supplemental DMRs. If paper forms are used, the completed forms shall be mailed to:

Department of Environmental Protection
Clean Water Program
909 Elmerton Avenue
Harrisburg, PA 17110-8200

NPDES Enforcement Branch (3WP42)
Office of Permits & Enforcement
Water Protection Division
U.S. EPA - Region III
1650 Arch Street
Philadelphia, PA 19103-2029
4. If the permittee elects to begin using DEP's eDMR system to submit DMRs required by the permit, the permittee shall, to assure continuity of business operations, continue using the eDMR system to submit all DMRs and Supplemental Reports required by the permit, unless the following steps are completed to discontinue use of eDMR:
 - a. The permittee shall submit written notification to the regional office that issued the permit that it intends to discontinue use of eDMR. The notification shall be signed by a principal executive officer or authorized agent of the permittee.
 - b. The permittee shall continue using eDMR until the permittee receives written notification from DEP's Central Office that the facility has been removed from the eDMR system, and electronic report submissions are no longer expected.
5. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code 92a.22:

For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.

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 principal executive officer or ranking elected official.

If signed by a person other than the above, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. (40 CFR 122.22(b))

6. If the permittee monitors any pollutant at monitoring points as designated by this permit, 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. (40 CFR 122.41(l)(4)(ii))

C. Reporting Requirements

1. **Planned Changes to Physical Facilities** – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section.

Notice is required when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b). (40 CFR 122.41(l)(1)(i))
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. (40 CFR 122.41(l)(1)(iii))
 - d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))
2. **Planned Changes to Waste Stream** – Under the authority of 25 Pa. Code 92a.24(a), the permittee shall provide notice to DEP as soon as possible but no later than 45 days prior to any planned changes in the volume or pollutant concentration of its influent waste stream as a result of indirect discharges or hauled-in wastes, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-BPNPSM0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the facility, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the facility. The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of a new application and receipt of a new or amended permit is required.
 - a. **Introduction of New Pollutants** (25 Pa. Code 92a.24(a))

New pollutants are defined as parameters that meet all of the following criteria:

- (i) Were not detected in the facilities' influent waste stream as reported in the permit application; and
- (ii) Have not been approved to be included in the permittee's influent waste stream by DEP in writing.

The permittee shall provide notification of the introduction of new pollutants in accordance with paragraph 2 above. The permittee may not authorize the introduction of new pollutants until the permittee receives DEP's written approval.

b. Increased Loading of Approved Pollutants (25 Pa. Code 92a.24(a))

Approved pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application; or
- (ii) Have been approved to be included in the permittee's influent waste stream by DEP in writing; or
- (iii) Have an effluent limitation or monitoring requirement in this permit.

The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 20% of the maximum loading reported in the permit application, or a loading previously approved by DEP, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the facility, or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

- (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate), as defined at 25 Pa. Code § 287.1, that are received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-BPNPSM0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report. The information used to develop the Report shall be retained by the permittee for five years from the date of receipt and must be made available to DEP or EPA upon request.

- (1) The dates that residual wastes were received.
- (2) The volume (gallons) of wastes received.
- (3) The license plate number of the vehicle transporting the waste to the treatment facility.
- (4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.
- (5) The name and address of the generator of the residual wastes.
- (6) The type of wastewater.

The transporter of residual waste must maintain these and other records as part of the daily operational record (25 Pa. Code § 299.219). If the transporter is unable to provide this

information or the permittee has not otherwise received the information from the generator, the residual wastes shall not be accepted by the permittee until such time as the permittee receives such information from the transporter or generator.

- (ii) The following conditions apply to the characterization of residual wastes received by the permittee:
 - (1) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.
 - (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the chemical analysis may be a general frac wastewater characterization approved by DEP. Thereafter, the chemical analysis must be waste-specific and be reported on the Form 26R.

b. Receipt of Municipal Waste

- (i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge), as defined at 25 Pa. Code § 271.1, that are received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled In Municipal Wastes" Supplemental Report (3800-FM-BPNPSM0437) as an attachment to the DMR. If no municipal wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report:

- (1) The dates that municipal wastes were received.
 - (2) The volume (gallons) of wastes received.
 - (3) The BOD₅ concentration (mg/l) and load (lbs) for the wastes received.
 - (4) The location(s) where wastes were disposed of within the treatment facility.
- (ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes.

4. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code Sections 91.33 and 92a.41(b).
 - (i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
 - (ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.

- (iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.
- b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:
 - (i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph:
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit; and
 - (3) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement. (40 CFR 122.44(g))
 - (ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. 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.
 - (iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by DEP, the permittee shall submit a written report in accordance with this paragraph. (40 CFR 122.41(l)(6)(iii))

5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-BPNPSM0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

- D. Specific Toxic Pollutant Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Direct Dischargers) - The permittee shall notify DEP as soon as it knows or has reason to believe the following: (40 CFR 122.42(a))
 - 1. That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(1))
 - 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 this permit application.
 - f. Any other notification level established by DEP.
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 this permit, if that discharge will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(2))
- 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 DEP.

PART B

I. MANAGEMENT REQUIREMENTS

A. Compliance Schedules (25 Pa. Code 92a.51 and 40 CFR 122.47(a))

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. (40 CFR 122.47(a)(4))

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 92a.72 and 40 CFR 122.41(f).
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. (40 CFR 122.41(f))
3. In the absence of DEP 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. (40 CFR 122.41(a)(1))

C. Duty to Provide Information

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. (40 CFR 122.41(h))
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. (40 CFR 122.41(h))
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. (40 CFR 122.41(l)(8))

D. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) 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. (40 CFR 122.41(e))

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. (40 CFR 122.41(d))

F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs two, three and four of this section. (40 CFR 122.41(m)(2))
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
 - a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." (40 CFR 122.41(m)(4)(i)(A))
 - 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 which occurred during normal periods of equipment downtime or preventive maintenance. (40 CFR 122.41(m)(4)(i)(B))
 - c. The permittee submitted the necessary notice required in F.4.a. and b. below. (40 CFR 122.41(m)(4)(i)(C))
3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2. above. (40 CFR 122.41(m)(4)(ii))
4. Notice
 - a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. (40 CFR 122.41(m)(3)(i))
 - b. Unanticipated Bypass – The permittee shall submit oral notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with Part A III.C.4.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 §122.41(a)(2).

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

B. Falsifying Information

Any person who does any of the following:

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

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

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

C. Liability

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

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

D. Need to Halt or Reduce Activity Not a Defense

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. (40 CFR 122.41(c))

III. OTHER RESPONSIBILITIES

A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92 and 40 CFR §122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; (40 CFR 122.41(i)(1))
2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; (40 CFR 122.41(i)(2))
3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and (40 CFR 122.41(i)(3))
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. (40 CFR 122.41(i)(4))

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 this 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. (40 CFR 122.61(a))
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 DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section; (40 CFR 122.61(b)(1))
 - b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; (40 CFR 122.61(b)(2))

- c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section; and (40 CFR 122.61(b)(3))
 - d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code 92a.51 (relating to schedules of compliance) and other appropriate DEP regulations. (25 Pa. Code 92a.71)
3. In the event DEP does not approve transfer of this permit, the new owner or operator 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. (40 CFR 122.41(g))

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. (40 CFR 122.41(b))

E. Other Laws

The issuance of this 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.

IV. ANNUAL FEES

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. Annual fee amounts are specified in the following schedule and are due on each anniversary of the effective date of the most recent new or reissued permit. All flows identified in the schedule are annual average design flows. (25 Pa. Code 92a.62)

<u>Minor IW Facility</u> without ELG (Effluent Limitation Guideline)	\$500
<u>Minor IW Facility</u> with ELG	\$1,500
<u>Major IW Facility</u> < 250 MGD (million gallons per day)	\$5,000
<u>Major IW Facility</u> ≥ 250 MGD	\$25,000
<u>IW Stormwater</u> Individual Permit	\$1,000
<u>CAAP</u> Concentrated Aquatic Animal Production Facility)	\$0

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Major IW Facility >=250 MGD**.

Invoices for annual fees will be mailed to permittees approximately three months prior to the due date. In the event that an invoice is not received, the permittee is nonetheless responsible for payment. Throughout a five year permit term, permittees will pay four annual fees followed by a permit renewal application fee in the last year of permit coverage. Permittees may contact DEP at 717-787-6744 with questions related to annual fees. The fees identified above are subject to change in accordance with 25 Pa. Code 92a.62(e).

Payment for annual fees shall be remitted to DEP at the address below by the anniversary date. Checks should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection
Bureau of Point and Non-Point Source Management

Re: Chapter 92a Annual Fee
P.O. Box 8466
Harrisburg, PA 17105-8466

PART C

I. CLEAN WATER ACT SECTION 316(a)ALTERNATE THERMAL LIMITATIONS

Unless an alternative date is approved by the Department in writing, within 60 days from the date of issuance of this permit, the Permittee shall submit a written plan to the Department for biological and thermal monitoring of the impact of the EPU on the fish and macroinvertebrate populations. The plan shall include monitoring protocols, monitoring sites, and a schedule for implementation of the plan and reporting results. The Permittee shall implement the monitoring plan as approved by the Department. In the event that the Department determines that modifications or amendments are necessary to the monitoring plan, or activity required by the monitoring plan, then, unless an alternative time frame is approved by the Department in writing, within 30 days after receipt of written notice, the Permittee shall submit such modifications or amendments to the Department, or begin to perform the additional or modified activities.

The seasonal operation of the plant's three cooling towers as set forth below constitutes a thermal variance under Section 316(a) of the Clean Water Act.

Cooling towers shall be operated for the combined operation of Units 2 and 3 during the period of June 15 through August 31 of each year, according to the sequential order. Average intake temperatures listed below are based on the prior two day rolling average using Unit 2 or Unit 3 circulating water intake temperature instrumentation:

- (1) One tower shall commence operation on June 15 and shall operate continuously through August 31. Should environmental conditions warrant, the Permittee may request that DEP authorize a delay in commencement of such tower operation.
- (2) A second cooling tower shall commence operation within 48 hours of average intake temperatures being equal to or greater than 83°F. Once operation has commenced, the second tower shall operate continuously through August 31. Should environmental conditions warrant, the Permittee may request that DEP authorize the termination of the second tower operation prior to August 31.
- (3) A third cooling tower shall commence operation within 48 hours of average intake temperatures being equal to or greater than 86°F. The tower shall operate continuously for seven days, and shall cease operation on the first day, following the seven days, when the average intake temperature is less than 86°F. Thereafter, the third tower shall commence and cease operations when the conditions set forth herein reoccur.

Cooling tower start up and operation shall be in accordance with station operating procedures. The Permittee shall submit a description of these station operating procedures to the Department within 60 days from the date of issuance of this permit, unless a longer period of time is approved by the Department in writing.

If the required cooling tower is not available for operation, the Permittee shall notify DEP within 24 hours of the off-line condition. Notification shall include but not be limited to the steps taken to return the cooling tower to the online condition. The Permittee shall bring an additional cooling tower on-line within 72 hours unless a longer period of time is agreed to in writing by DEP. The Permittee shall contact DEP to discuss the proper course of action prior to exceeding the 72-hour period if there is no tower available to replace the required cooling tower. If a required cooling tower is not returned to an on-line condition within 72 of coming off-line, the Permittee shall provide a report to DEP identifying the cause and steps taken to return the cooling tower to an on-line condition within 10 days unless a longer period if authorized, in writing, by DEP.

II. COOLING WATER INTAKE STRUCTURE(S)

The purpose of Section 316(b) of the Clean Water Act (CWA) is to establish the best technology available (BTA) for minimizing adverse environmental impacts associated with the use of cooling water intake structures.

As the operator of a facility with an existing cooling water intake structure, the following conditions apply:

- A. The PBAPS cooling water intake structures must meet BTA standards for impingement mortality by employing one of the alternatives in 40 CFR §125.94(c)(1) through (c)(7). Additional measures may be required to protect federal or state threatened and endangered species and fragile species.
- B. The PBAPS cooling water intake structures must meet BTA standards for entrainment which will be established by DEP on a site-specific basis after consideration of relevant factors in 40 CFR §125.98 and information in the subsequent permit application as required in §122.21(r)(9)(10)(11) (12) and (13).
- C. The permittee must notify DEP of external peer reviewers for submissions required in §122.21(r)(10) to (12) and gain DEP approval in advance of peer review.
- D. If DEP requests additional information to make a BTA determination, the permittee shall submit information as soon as practicable.
- E. The permittee must submit applicable information in §122.21(r)(2) through (13) with the subsequent permit application.
- F. The permittee must maintain and retain data and other records for any information developed pursuant to Section 316(b) for a minimum of ten years.
- G. The location, design, construction or capacity of the intake structure(s) may not be altered without prior approval of the DEP.
- H. Nothing in this permit authorizes the take for the purposes of the permittee's compliance with the Endangered Species Act.

III. CHLORINE RESIDUAL REQUIREMENTS

- A. Monitoring shall be conducted daily when chlorine is introduced to circulating water systems. A method detection limit of no greater than 0.02 mg/L shall be utilized. Chlorine may not be discharged from any single generating unit for more than four hours per day from June 1 through September 30 and no more than two hours per day from October 1 through May 31, unless the discharge demonstrates to the Department that discharge for more than two hours is required for macroinvertebrate control. The generating unit consists of the main condenser cooling water or circulating water systems. Simultaneous multi-unit chlorination is permitted.
- B. The permittee shall optimize chlorine dosages used for disinfection or other purposes to minimize the concentration of Total Residual Chlorine (TRC) in the effluent, meet applicable effluent limitations, and reduce the possibility of adversely affecting the receiving waters. Optimization efforts may include an evaluation of wastewater characteristics, mixing characteristics, and contact times, adjustments to process controls, and maintenance of the disinfection facilities. If DEP determines that effluent TRC is causing adverse water quality impacts, DEP may reopen this permit to apply new or more stringent effluent limitations and/or require implementation of control measures or operational practices to eliminate such impacts.

IV. CHEMICAL ADDITIVES

- A. Approved Chemical Additives List
 - 1. The permittee is authorized to use chemical additives that are published on DEP's Approved Chemical Additives List (Approved List) (see www.depweb.state.pa.us/chemicaladditives) subject to paragraphs A.2 and A.3, below.
 - 2. The permittee may not discharge a chemical additive at a concentration that is greater than the water quality-based effluent limitation (WQBEL) for the chemical additive or, if applicable, a technology-based effluent limitation. If effluent limitations are not specified in Part A of this permit for the chemical additive, the permittee is responsible for determining the WQBEL and ensuring the WQBEL is not

exceeded by restricting usage to an amount that will not cause an excursion above in-stream water quality standards.

3. If the permittee decides to use a chemical additive that is on DEP's Approved List and the use would either (1) constitute an increase in the usage rate specified in the NPDES permit application or previous notification to DEP or (2) constitute a new use, not identified in the NPDES permit application or otherwise no previous notification occurred, the permittee shall complete and submit the "Chemical Additives Notification Form" to the DEP regional office that issued the permit. The permittee may proceed to use the chemical additive as reported on the Form upon receipt by the DEP regional office.

B. New Chemical Additives, Not on Approved Chemical Additives List

1. In the event the permittee wishes to use a chemical additive that is not listed on DEP's Approved List, the permittee shall submit the "New Chemical Additives Request Form" (3800-FM-BPNPSM0486) to DEP's Central Office, Bureau of Point and Non-Point Source Management (BPNPSM), Division of Planning and Permitting, Rachel Carson State Office Building, PO Box 8774, Harrisburg, PA 17105-8774, prior to use. A copy shall be submitted to the DEP regional office that issued the permit. The form must be completed in whole in order for BPNPSM to approve the chemical additive, and a Material Safety Data Sheet (MSDS) that meets the minimum requirements of 29 CFR 1910.1200(g) must be attached.
2. Following placement of the chemical additive on the Approved List, the permittee may submit the "Chemical Additive Notification Form" (3800-FM-BPNPSM0487) in accordance with paragraph A.3, above, to notify DEP of the intent to use the approved chemical additive. The permittee may proceed with usage when the new chemical has been identified on DEP's Approved List and following DEP's receipt of the Chemical Additives Notification Form.
3. The permittee shall restrict usage of chemical additives to the maximum usage rates determined and reported to DEP on Chemical Additives Notification Forms.

C. Chemical Additives Usage Reporting Requirements

The "Chemical Additives Usage Form" (3800-FM-BPNPSM0439) shall be used to report the usage of chemical additives and shall be submitted as an attachment to the Discharge Monitoring Report (DMR) at the time the DMR is submitted.

- D. DEP may amend this permit to include WQBELs or otherwise control usage rates of chemical additives if there is evidence that usage is adversely affecting receiving waters, producing Whole Effluent Toxicity test failures, or is causing excursions of in-stream water quality standards.

V. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS

- A. The permittee is authorized to discharge non-polluting stormwater from its site, alone or in combination with other wastewaters, through the following outfalls:

Outfall No.	Area Drained (ft ²)	Latitude	Longitude	Description
010	84,942	39°46'02.37"	76°16'20.85"	parking lots; north side of the property
012	121,532	39°45'57.37"	76°16'16.84"	parking lots; north side of the property
013	160,736	39°45'56.37"	76°16'15.84"	parking lots; north side of the property
014	65,340	39°45'54.37"	76°16'14.84"	parking lots; north side of the property
015	75,794	39°45'50.37"	76°16'12.84"	parking lots; north side of the property
016	184,694	39°45'48.37"	76°16'10.84"	parking lots; north side of the property
017	158,123	39°45'44.37"	76°16'03.84"	parking lots; east side of the property
018	257,004	39°45'43.37"	76°15'58.84"	parking lots; east side of the property Independent Spent Fuel Storage Installation pad (ISFSI); west side of the discharge canal
019	66,647	39°45'13.37"	76°15'47.84"	
020	9,583	39°45'17.37"	76°15'50.84"	impervious area (roadway); west side

021	151,589	39°45'19.38"	76°15'52.84"	of the discharge canal parking lots & roadway; west side of the discharge canal
022	19,166	39°45'22.37"	76°15'55.84"	parking lots; at confluence of Rock Run Creek and Discharge Canal
025	11,631	39°45'20.70"	76°16'03.93"	parking lots & roadway; west side of the property
026	27,138	39°45'23.96"	76°15'58.78"	roofs & roadway; west side of the property
027	121,097	39°45'27.37"	76°16'59.84"	industrial areas; southeast of the plant
028	121,097	39°45'26.37"	76°16'59.84"	industrial areas; southeast of the plant impervious area near Unit 1; north side of the discharge canal
029	51,836	39°45'28.59"	76°15'59.75"	vegetative area; near Rock Run Creek
030	60,548	39°45'21.53"	76°16'00.47"	vegetative area; near Rock Run Creek
031	39,204	39°45'20.09"	76°16'03.71"	vegetative area; near Rock Run Creek
032	21,344	39°45'19.77"	76°16'06.34"	vegetative area; near Rock Run Creek
033	26,572	39°45'19.85"	76°16'06.70"	vegetative area; near Rock Run Creek

Monitoring requirements and effluent limitations for these outfalls are specified in Part A of this permit, if applicable.

B. Preparedness, Prevention and Contingency (PPC) Plan

The permittee must develop and implement a PPC Plan in accordance with 25 Pa. Code § 91.34 following the guidance contained in DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (DEP ID 400-2200-001), its NPDES-specific addendum and the minimum requirements below. For existing facilities, the PPC Plan must be developed prior to permit issuance. For new facilities, the PPC Plan must be submitted to DEP no later than prior to startup of facility operation.

1. The PPC Plan must identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the facility.
2. The PPC Plan must describe preventative measures and best management practices (BMPs) that will be implemented to reduce or eliminate pollutants from coming into contact with stormwater resulting from routine site activities and spills.
3. The PPC Plan must address actions that will be taken in response to on-site spills or other pollution incidents.
4. The PPC Plan must identify areas which, due to topography or other factors, have a high potential for soil erosion, and identify measures to limit erosion. Where necessary, erosion and sediment control measures must be developed and implemented in accordance with 25 Pa. Code Chapter 102 and DEP's "Erosion and Sediment Pollution Control Manual" (DEP ID 363-2134-008).
5. The PPC Plan must address security measures to prevent accidental or intentional entry which could result in an unintentional discharge of pollutants.
6. The PPC Plan must include a plan for training employees and contractors on pollution prevention, BMPs, and emergency response measures.
7. If the facility is subject to SARA Title III, Section 313, the PPC Plan must identify releases of "Water Priority Chemicals" within the previous three years. Water Priority Chemicals are those identified in EPA's "Guidance for the Determination of Appropriate Methods for the Detection of Section 313 Water Priority Chemicals" (EPA 833-B-94-001, April 1994). The Plan must include an evaluation of all activities that may result in the stormwater discharge of Water Priority Chemicals.
8. Spill Prevention Control and Countermeasure (SPCC) plans may be used to meet the requirements of this section if the minimum requirements are addressed.

9. The PPC Plan shall be evaluated and if necessary updated on an annual basis, at a minimum, and when one or more of the following occur:
 - a. Applicable DEP or federal regulations are revised, or this permit is revised;
 - b. The Plan fails in an emergency;
 - c. There is a change in design, industrial process, operation, maintenance, or other circumstances, in a manner that materially increases the potential for fires, explosions or releases of toxic or hazardous constituents; or which changes the response necessary in an emergency;
 - d. The list of emergency coordinators or equipment changes; or
 - e. When notified in writing by DEP.

All updates must be kept on-site and be made available to DEP upon request.

C. Minimum Required BMPs

In addition to BMPs identified in the PPC Plan, the permittee shall implement the following minimum BMPs relating to stormwater pollution prevention:

1. If applicable, post-construction stormwater BMPs that are required under 25 Pa. Code Chapter 102 must be maintained.
2. For industrial facilities, the BMPs in the applicable Appendix to the NPDES PAG-03 General Permit for Discharges of Stormwater Associated with Industrial Activities that is currently in effect.
3. For POTWs, all of the following:
 - a. Manage sludge in accordance with all applicable permit requirements.
 - b. Store chemicals in secure and covered areas on impervious surfaces away from storm drains.
 - c. For new facilities and upgrades, design wastewater treatment facilities to avoid, to the maximum extent practicable, stormwater commingling with sanitary wastewater, sewage sludge, and biosolids.
 - d. Efficiently use herbicides for weed control. Where practicable, use the least toxic herbicide that will achieve pest management objectives. Do not apply during windy conditions.
 - e. Do not wash parts or equipment over impervious surfaces that wash into storm drains.
 - f. Implement infiltration techniques, including infiltration basins, trenches, dry wells, porous pavement, etc., wherever practicable.

D. Annual Inspection and Compliance Evaluation

1. The permittee shall conduct an annual inspection of each outfall identified in paragraph A and record the results on the "Annual Inspection Form for NPDES Permits for Discharges of Stormwater Associated with Industrial Activities" (3800-PM-WSFR0083v). The permittee shall submit a copy of the completed and signed Annual Inspection Form to DEP at the address provided in Part A III.B.3 of this permit by January 28 of each year.
2. 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. BMPs in the PPC Plan and required by this permit shall be evaluated to determine whether they are adequate and

properly implemented in accordance with the terms of this permit or whether additional control measures are needed.

E. Stormwater Sampling Requirements

If stormwater sampling is required in Part A of this permit, the following requirements apply:

1. The permittee shall record stormwater sampling event information on the "Additional Information for the Reporting of Stormwater Discharge Monitoring" form (3800-PM-WSFR0083t) and submit the form as an attachment to the DMR.
2. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding storm did not yield a measurable discharge, or if the permittee is able to document that a less than 72-hour interval is representative for local storm events during the sample period.
3. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is not possible, a grab sample can be taken during the first hour of the discharge, in which case the discharger shall provide an explanation of why a grab sample during the first 30 minutes was not possible.
4. When a facility has two or more outfalls that, based on a consideration of features and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may test the effluent of one of such outfalls and report that the quantitative data also applies to the substantially identical outfalls. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (e.g., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)) shall be provided. The permittee shall provide written justification why the outfalls which were not tested are substantially identical to the outfall which was tested.

VI. OTHER REQUIREMENTS

- A. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater treatment.

- C. The terms and conditions of Water Quality Management (WQM) permits that may have been issued to the permittee relating to discharge requirements are superseded by this NPDES permit unless otherwise stated herein.
- D. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid as determined by the most sensitive EPA approved test method.

- E. There shall be no net addition of pollutants to non-contact cooling water over intake values except for heat and water conditioning additives for which complete information was submitted in the application or is required to be submitted as a condition of this permit.
- F. If the applicable standard or effluent guideline limitation relating to the application for Best Available Technology (BAT) Economically Achievable or to Best Conventional Technology (BCT) is developed by DEP or EPA for this type of industry, and if such standard or limitation is more stringent than the corresponding limitations of this permit (or if it controls pollutants not covered by this permit), DEP may modify or revoke and reissue the permit to conform with that standard or limitation.
- G. Waste borne releases of radioactive material to unrestricted areas shall conform to criteria set forth in Title 10 Code of Federal Regulations part 50 Appendix I-Numerical Guides for Design Objectives And Limiting Conditions For Operation To Meet The Criterion 'As Low As Is Reasonably Achievable' For Radioactive Material In Light-Water-Cooled Nuclear Reactor Effluents, as implemented through the Environmental Technical Specifications for the Facility. The facility operator shall provide the Department the following information at the Peach Bottom Atomic Power Station:
1. Copies of reports specifying the quantities of radioactive materials released to unrestricted areas in liquid/gaseous effluents.
 2. 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 operations.

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

Pennsylvania Department of Environmental Protection
Bureau of Radiation Protection
P.O. Box 8469
Harrisburg, PA 17105-8469

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME: Exelon Generation Company LLC
 ADDRESS: 1848 Lay Road
 Delta, PA 17314-9032
 FACILITY: Peach Bottom Atomic Power Station
 LOCATION: Peach Bottom Township
 YORK COUNTY
 WATERSHED: 7-1

PA0009733
 PERMIT NUMBER

001
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS				
Flow	MEASUREMENT	Report Avg Mo	*****	*****	*****	*****			
	PERMIT REQUIREMENT	Report Daily Max	*****	*****	*****	MGD		1/day	Calculation
pH	MEASUREMENT	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	6.0 Min	*****	S.U.		1/day	Grab
Total Residual Chlorine	MEASUREMENT	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	0.2 IMAX	*****	mg/L		1/day	Grab
Temperature	MEASUREMENT	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	Report Avg Mo	*****	Report Daily Max		Continuous	I-S
Nalco H150M	MEASUREMENT	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	Report Daily Max		When Discharging	Grab
Total Phosphorus	MEASUREMENT	Report Avg Mo	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	lbs/day		1/month	Grab
Total Phosphorus Intake	MEASUREMENT	Report Avg Mo	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	lbs/day		1/month	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE			
TYPED OR PRINTED				AREA CODE		NUMBER		YEAR MO DAY	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 causing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
York County
 WATERSHED 7-1

PA0009733
 PERMIT NUMBER

001
 OUTFALL NUMBER

Reporting Frequency: Quarterly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE				
Total Nitrogen	SAMPLE MEASUREMENT PERMIT REQUIREMENT	Report Avg Qrtly	*****	*****	*****	*****	mg/L		1/quarter	Calculation
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	Report Avg Qrtly	*****	*****	*****	*****	mg/L		1/quarter	Calculation
Total PCBs	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	mg/L		1/quarter	Grab
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	mg/L		1/quarter	Grab
Total PCBs Intake	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	mg/L		1/quarter	Grab
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	mg/L		1/quarter	Grab
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE			DATE		
TYPED OR PRINTED										
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

002
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE				
Flow	Report Avg Mo	Report Daily Max	MGD	*****	*****	*****	*****		1/month	Calculation
	*****	*****	*****	*****	*****	*****	*****			
pH	*****	*****	*****	6.0 Min	9.0 IMAX	S.U.			1/month	Grab
	*****	*****	*****	*****	*****	*****				
Total Residual Chlorine	*****	*****	*****	*****	0.2 IMAX	mg/L			1/month	Grab
	*****	*****	*****	*****	*****	*****				
Temperature	*****	*****	*****	*****	Report Avg Mo	Report Daily Max	°F		1/day	I-S
	*****	*****	*****	*****	*****	*****				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE			
TYPED OR PRINTED										
COMMENTS (Report all violations on the "Non-Compliance Reporting Form") I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C. S. § 4904 (relating to unsworn falsification).										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS
Exelon Generation Company LLC
1848 Lay Road
Delta, PA 17314-9032
 FACILITY
Peach Bottom Atomic Power Station
 LOCATION
Peach Bottom Township
York County
 WATERSHED
7-I

PA0009733
 PERMIT NUMBER

002
 OUTFALL NUMBER

Reporting Frequency: Quarterly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY

___ Check Here if No Discharge
 NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	VALUE	UNITS	VALUE	VALUE	VALUE						
Total PCBs	*****	*****	*****	*****	*****	mg/L		1/quarter	Grab.		
	*****	*****	*****	*****	*****	Report IMAX					
SAMPLE MEASUREMENT PERMIT REQUIREMENT											
SAMPLE MEASUREMENT PERMIT REQUIREMENT											
SAMPLE MEASUREMENT PERMIT REQUIREMENT											
SAMPLE MEASUREMENT PERMIT REQUIREMENT											
SAMPLE MEASUREMENT PERMIT REQUIREMENT											
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SAMPLE MEASUREMENT PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE			
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							DATE				

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry and the best of my knowledge and belief, the information submitted by the above-named reporting person or company is 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
 Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
 YORK COUNTY
 WATERSHED 7-I

PA0009733
 PERMIT NUMBER

003
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

Check Here if No Discharge

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MONITORING PERIOD			
YEAR	MO	DAY	TO
	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
Flow	SAMPLE MEASUREMENT		*****	*****				
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	*****	MGD		1/month	Calculation
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	30 Avg Mo	100 Daily Max		1/month	Grab
Total Aluminum	SAMPLE MEASUREMENT		*****	*****				
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	*****	Report Avg Mo	Report Daily Max	1/month	8-Hr Composite
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE		DATE	
TYPED OR PRINTED					AREA CODE	NUMBER	YEAR	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME: Exelon Generation Company LLC
ADDRESS: 1848 Lay Road
Delta, PA 17314-9032
FACILITY: Peach Bottom Atomic Power Station
LOCATION: Peach Bottom Township
York County
WATERSHED: 7-1

PA0009733
PERMIT NUMBER

003
OUTFALL NUMBER

Reporting Frequency: Quarterly
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

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PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
Oil and Grease	*****	*****	*****	*****	mg/L		1/quarter	Grab
	*****	*****	15 Avg Mo	20 Daily Max				
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
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PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
<p>I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure the reliability of the data and information reported hereon. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).</p>								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE		DATE	
TYPED OR PRINTED					AREA CODE		MO DAY	
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")					NUMBER		YEAR	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					NUMBER		YEAR	



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
York County
 WATERSHED 7-1

PA0009733
 PERMIT NUMBER

004
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	VALUE				
Flow	SAMPLE MEASUREMENT		*****	*****	*****	*****				
	PERMIT REQUIREMENT	Report Avg Mo		Report Daily Max		*****		1/month	Calculation	
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	30 Avg Mo	100 Daily Max	mg/L		1/month	Grab	
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
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SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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, and the data and calculations included therein are the result of testing and monitoring for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		DATE		
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COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
York County
 WATERSHED 7-I and 7-K

PA0009733
 PERMIT NUMBER

004
 OUTFALL NUMBER

Reporting Frequency: Quarterly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
	VALUE	UNITS	VALUE	VALUE								
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****								
	PERMIT REQUIREMENT	*****	*****	15 Avg Mo	20 Daily Max		1/quarter	Grab				
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
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PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel prepare and review the information reported here. Based on the best of my knowledge and belief, the information submitted is 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE			DATE			
TYPED OR PRINTED						AREA CODE			NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")												



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-1 and 7-K

PA0009733
PERMIT NUMBER

005
OUTFALL NUMBER

INTERIM

Reporting Frequency: Monthly
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2015
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE																												
		VALUE	UNITS	VALUE	VALUE	VALUE																																
Flow	Report Avg Mo	Report Daily Max	MGD	*****	*****	*****	*****																															
	*****	*****	*****	*****	*****	*****	*****		1/day	Measured																												
pH	*****	*****	*****	6.0 Min	9.0 IMAX	S.U.			1/day	Grab																												
	*****	*****	*****	5.0 Min	*****	mg/L			1/day	Grab																												
Dissolved Oxygen	*****	*****	*****	*****	*****	mg/L			1/day	Grab																												
	*****	*****	*****	*****	Report Avg Mo	mg/L			1/day	Grab																												
Total Residual Chlorine	*****	*****	*****	*****	*****	mg/L			1/day	Grab																												
	*****	*****	*****	*****	Report Avg Mo	mg/L			1/day	Grab																												
CBOD5	*****	*****	*****	*****	25 Avg Mo	mg/L			2/month	8-Hr Composite																												
	*****	*****	*****	*****	30 Avg Mo	mg/L			2/month	8-Hr Composite																												
Total Suspended Solids	*****	*****	*****	*****	*****	mg/L			2/month	8-Hr Composite																												
	*****	*****	*****	*****	Report Avg Mo	mg/L			2/month	8-Hr Composite																												
Ammonia-Nitrogen	*****	*****	*****	*****	*****	mg/L			2/month	8-Hr Composite																												
<table border="1"> <tr> <td colspan="7">NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</td> <td colspan="2">TELEPHONE</td> <td colspan="2">DATE</td> </tr> <tr> <td colspan="7">SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</td> <td colspan="2">AREA CODE</td> <td colspan="2">NUMBER</td> <td colspan="2">YEAR</td> <td colspan="2">MO</td> <td colspan="2">DAY</td> </tr> </table>											NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE		DATE		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE		NUMBER		YEAR		MO		DAY	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE		DATE																													
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE		NUMBER		YEAR		MO		DAY																							
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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

005
OUTFALL NUMBER

INTERIM

Reporting Frequency: Monthly
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2015
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019
___ Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
Total Phosphorus	SAMPLE MEASUREMENT	*****	*****	*****	mg/L		2/month	8-Hr Composite
	PERMIT REQUIREMENT	*****	2.0 Avg Mo	*****				
Fecal Coliform May 1 - Sep 30	SAMPLE MEASUREMENT	*****	*****	*****	CFU/100 ml		2/month	Grab
	PERMIT REQUIREMENT	*****	200 Geo Mean	1,000 IMAX				
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT	*****	*****	*****	CFU/100 ml		2/month	Grab
	PERMIT REQUIREMENT	*****	2,000 Geo Mean	10,000 IMAX				
SAMPLE MEASUREMENT	*****							
PERMIT REQUIREMENT	*****							
SAMPLE MEASUREMENT	*****							
PERMIT REQUIREMENT	*****							
SAMPLE MEASUREMENT	*****							
PERMIT REQUIREMENT	*****							
SAMPLE MEASUREMENT	*****							
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SAMPLE MEASUREMENT	*****							
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I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE		DATE	
TYPED OR PRINTED					AREA CODE	NUMBER	YEAR	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

005
OUTFALL NUMBER

FINAL

Reporting Frequency: Monthly
DMR Effective From: October 1, 2015
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019
 Check Here if No Discharge

MONITORING PERIOD			
YEAR	MO	DAY	TO

NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	Report Avg Mo	Report Daily Max	VALUE	VALUE				
Flow	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	Report Avg Mo	*****	*****	*****	*****	*****		1/day	Measured
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	6.0 Min	*****	9.0 IMAX	S.U.		1/day	Grab
Dissolved Oxygen	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	5.0 Min	*****	*****	mg/L		1/day	Grab
Total Residual Chlorine	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	0.5 Avg Mo	*****	1.6 IMAX	mg/L		1/day	Grab
CBOD5	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	25 Avg Mo	*****	*****	mg/L		2/month	8-Hr Composite
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	30 Avg Mo	*****	*****	mg/L		2/month	8-Hr Composite
Ammonia-Nitrogen	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	Report Avg Mo	*****	*****	mg/L		2/month	8-Hr Composite
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE			DATE		
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COMMONWEALTH OF PENNSYLVANIA
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 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
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PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
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York County
 WATERSHED 7-I and 7-K

PA0009733
 PERMIT NUMBER

005
 OUTFALL NUMBER

FINAL

Reporting Frequency: Monthly
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 Permit Expires: September 30, 2019
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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
Total Phosphorus	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	2.0 Avg Mo	*****	mg/L	2/month	8-Hr Composite	
Fecal Coliform May 1 - Sep 30	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	200 Geo Mean	*****	CFU/100 ml	2/month	Grab	
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	2,000 Geo Mean	*****	CFU/100 ml	2/month	Grab	
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
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SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
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COMMENTS (Report all violations on the "Non-Compliance Reporting Form")				AREA CODE		NUMBER YEAR MO DAY		

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

005
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Reporting Frequency: Annually
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MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	VALUE					
Total Nitrogen	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	Report Annl Avg	*****	Report Annl Avg	mg/L		1/year	Calculation	
Total Phosphorus	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	Report Annl Avg	*****	Report Annl Avg	mg/L		1/year	Calculation	
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
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SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry and the best of my knowledge and belief, true and accurate information has been provided and no untrue or misleading information has been submitted. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE		DATE		
TYPED OR PRINTED					AREA CODE	NUMBER	YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")									



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
 Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
 York County
 WATERSHED 7-1

PA0009733
 PERMIT NUMBER

006
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO
	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
Flow	SAMPLE MEASUREMENT		*****	*****				
	PERMIT REQUIREMENT	Report Avg Mo	*****	*****	MGD		1/month	Calculation
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	100				
	PERMIT REQUIREMENT	*****	*****	30 Avg Mo	mg/L		1/month	Grab
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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, correct and complete. I understand that anyone who furnishes false or misleading information on this report or who omits material or information requested on the report may be subject to criminal sanctions (including fines and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification)).								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER						TELEPHONE		DATE
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
 YORK COUNTY York County
 WATERSHED 7-1

PA0009733
 PERMIT NUMBER

006
 OUTFALL NUMBER

Reporting Frequency: Quarterly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
			To		

PARAMETER	QUANTITY OR LOADING		UNITS		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	UNITS					
Oil and Grease	*****	*****	*****	*****	*****	*****	*****					
	*****	*****	*****	*****	15 Avg Mo	20 Daily Max	mg/L	1/quarter	Grab			
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
SAMPLE MEASUREMENT												
PERMIT REQUIREMENT												
I certify under penalty of law that this document was prepared under my direct supervision and that I am a duly licensed professional engineer or geologist in the State of Pennsylvania. I am 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER								TELEPHONE		DATE		
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT												

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
 ADDRESS 1848 Lay Road
Delta, PA 17314-9032
 FACILITY Peach Bottom Atomic Power Station
 LOCATION Peach Bottom Township
York County
 WATERSHED 7-I

PA0009733
 PERMIT NUMBER

008
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

___ Check Here if No Discharge

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MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
Flow	SAMPLE MEASUREMENT		*****	*****				
	PERMIT REQUIREMENT	Report Avg Mo	*****	*****	MGD		1/month	Calculation
pH	SAMPLE MEASUREMENT	*****	6.0	9.0				
	PERMIT REQUIREMENT	*****	Min	IMAX	S.U.		1/month	Grab
Temperature	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	%		1/month	I-S
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
SAMPLE MEASUREMENT								
PERMIT REQUIREMENT								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED								

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 or knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn testimony).

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

008
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
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Permit Expires: September 30, 2019
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___ Check Here if No Discharge

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

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PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED				AREA CODE		NUMBER		
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")				YEAR		MO		
				DAY				



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-1

PA0009733	009
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
			TO		

Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE																			
	VALUE	VALUE	VALUE	VALUE	VALUE																							
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab																				
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****	*****																							
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab																				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	<table border="1"> <tr> <td colspan="3">SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</td> <td colspan="3">TELEPHONE</td> <td colspan="3">DATE</td> </tr> <tr> <td>AREA CODE</td> <td>NUMBER</td> <td>YEAR</td> <td>MO</td> <td>DAY</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>									SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE			DATE			AREA CODE	NUMBER	YEAR	MO	DAY					
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AREA CODE	NUMBER	YEAR	MO	DAY																								
TYPED OR PRINTED																												

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-1

PA0009733	901
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: October 1, 2014

DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019

Permit Application Due: April 3, 2019
___ Check Here if No Discharge

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
			TO		

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
Flow	SAMPLE MEASUREMENT	Report Avg Mo	*****	*****	*****			
	PERMIT REQUIREMENT	Report Daily Max	*****	*****	*****		1/discharge	Calculation
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	6.0 Min	S.U.		1/discharge	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	30 Avg Mo	mg/L			
	PERMIT REQUIREMENT	*****	*****	100 Daily Max			1/discharge	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	15 Avg Mo	mg/L			
	PERMIT REQUIREMENT	*****	*****	20 Daily Max			1/discharge	Grab
<p>I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).</p>								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER						TELEPHONE		DATE
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

010
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019
___ Check Here if No Discharge

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED				AREA CODE		NUMBER		
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")				YEAR		MO		
				DAY				

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system and those persons' ready response to my inquiry, the information and data submitted herein are true and correct. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

012
OUTFALL NUMBER

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MONITORING PERIOD					
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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
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COMMONWEALTH OF PENNSYLVANIA
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PERMITTEE NAME/ADDRESS

NAME: Exelon Generation Company LLC
ADDRESS: 1848 Lay Road
Delta, PA 17314-9032
FACILITY: Peach Bottom Atomic Power Station
LOCATION: Peach Bottom Township
York County
WATERSHED: 7-I

PA0009733
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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	VALUE					
pH	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab	
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE		
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COMMONWEALTH OF PENNSYLVANIA
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York County

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PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
	VALUE	UNITS	VALUE	VALUE									
pH	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	S. U.		1/year	Grab					
Total Suspended Solids	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab					
Oil and Grease	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab					
Total Copper	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab					
Total Iron	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab					
Total Nickel	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab					
Total Zinc	*****	*****	*****	*****									
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE							
TYPED OR PRINTED				AREA CODE		NUMBER		YEAR		MO		DAY	

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

WATERSHED York County

7-1

PA0009733	015
PERMIT NUMBER	OUTFALL NUMBER

YEAR	MO	DAY
YEAR	MO	DAY

MONITORING PERIOD		
YEAR	MO	DAY
TO	YEAR	MO
	DAY	

Reporting Frequency: Annually

DMR Effective From: October 1, 2014

DMR Effective To: September 30, 2019

Permit Expires: September 30, 2019

Permit Application Due: April 3, 2019

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED				AREA CODE		NUMBER		
				MO		DAY		
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")								



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-J and 7-K

PA0009733
PERMIT NUMBER

016
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		UNITS		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	S.U.	1/year	Grab	
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	mg/L	1/year	Grab	
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	mg/L	1/year	Grab	
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	mg/L	1/year	Grab	
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	mg/L	1/year	Grab	
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	mg/L	1/year	Grab	
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Daily Max	mg/L	1/year	Grab	

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

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 understand that providing false information for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
WATERSHED York County
7-1

PA0009733
PERMIT NUMBER

017
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019
___ Check Here if No Discharge

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	*****	*****	*****	*****				
	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED								
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")								PAGE 1 OF 1

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-I and 7-K

PA0009733	018
PERMIT NUMBER	OUTFALL NUMBER

018
OUTFALL NUMBER

Reporting Frequency: Annually

DMR Effective From: October 1, 2014

DMR Effective To: September 30, 2019

Permit Expires: September 30, 2019

Permit Application Due: April 3, 2019

___ Check Here if No Discharge

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
			TO		

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR
								MO
								DAY

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 is true, correct, 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

019
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S. U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED								

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-1

PA0009733	
PERMIT NUMBER	

020	
OUTFALL NUMBER	

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Reporting Frequency: Annually
DMR Effective From: October 1, 2014

DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER						TELEPHONE		DATE	
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE		NUMBER	
								YEAR	
								MO	
								DAY	

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-I

PA0009733
PERMIT NUMBER

021
OUTFALL NUMBER

Reporting Frequency: Annually

DMR Effective From: October 1, 2014

DMR Effective To: September 30, 2019

Permit Expires: September 30, 2019

Permit Application Due: April 3, 2019

___ Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO
YEAR	MO	DAY	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	VALUE	VALUE	VALUE					
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	S.U.		1/year	Grab		
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).										
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

022
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

___ Check Here if No Discharge

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MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 understand that providing false or misleading information for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
TYPED OR PRINTED					AREA CODE	NUMBER	YEAR	MO DAY

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME: Exelon Generation Company LLC
ADDRESS: 1848 Lay Road
Delta, PA 17314-9032
FACILITY: Peach Bottom Atomic Power Station
LOCATION: Peach Bottom Township
York County
WATERSHED: 7-I

PA0009733
PERMIT NUMBER

025
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	VALUE	VALUE	VALUE	VALUE	VALUE						
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	S.U.		1/year	Grab		
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab		
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab		
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab		
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab		
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab		
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****						
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	*****	mg/L		1/year	Grab		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 understand that any false, inaccurate, or misleading information submitted may result in the suspension or revocation of this permit and may result in the imposition of fines and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						TELEPHONE		DATE		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")											



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-1

PA0009733	026
PERMIT NUMBER	OUTFALL NUMBER

026
OUTFALL NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
			TO		

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	VALUE					
pH	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab	
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE		DATE		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER		
					YEAR		MO		
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")								PAGE 1 OF 1	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person(s) who prepared the information and the information submitted, I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

WATERSHED York County

7-1

PA0009733	027
PERMIT NUMBER	OUTFALL NUMBER

027
OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab	
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).								
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")	TELEPHONE NUMBER AREA CODE YEAR MO DAY								



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-1

PA0009733
PERMIT NUMBER

028
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

MONITORING PERIOD
YEAR MO DAY TO YEAR MO DAY

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	VALUE	VALUE	VALUE					
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	S.U.		1/year	Grab		
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L		1/year	Grab		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted, based on my inquiry of the persons providing the information, and that I am a duly sworn and qualified person in the State of Pennsylvania, to the best of my knowledge and belief, the information submitted is true, correct, 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).										
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
								TELEPHONE	DATE		
								AREA CODE	NUMBER	YEAR	MO DAY

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-I

PA0009733
PERMIT NUMBER

029
OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Reporting Frequency: Annually
 DMR Effective From: October 1, 2014
 DMR Effective To: September 30, 2019
 Permit Expires: September 30, 2019
 Permit Application Due: April 3, 2019

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS				
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	S.U.	1/year		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
Total PCBs	SAMPLE MEASUREMENT	*****	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	*****	Report Daily Max	mg/L	1/year		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. This system has been approved for use by the Department of Environmental Protection. By signing this report, I am certifying that I am a duly licensed professional engineer 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).									
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")	TELEPHONE NUMBER AREA CODE YEAR MO DAY									



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
YORK COUNTY York County
WATERSHED 7-1

PA0009733
PERMIT NUMBER

030
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
DMR Effective To: September 30, 2019
Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019
___ Check Here if No Discharge

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS				
pH	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****		*****					
	PERMIT REQUIREMENT	*****		*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE			
TYPED OR PRINTED									

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC

ADDRESS 1848 Lay Road

Delta, PA 17314-9032

FACILITY Peach Bottom Atomic Power Station

LOCATION Peach Bottom Township

York County

WATERSHED 7-1

PA0009733	031
PERMIT NUMBER	OUTFALL NUMBER

031
OUTFALL NUMBER

MONITORING PERIOD			
YEAR	MO	DAY	TO
YEAR	MO	DAY	DAY

Reporting Frequency: Annually

DMR Effective From: October 1, 2014

DMR Effective To: September 30, 2019

Permit Expires: September 30, 2019

Permit Application Due: April 3, 2019

___ Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	VALUE					
pH	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab	
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****					
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure the reliability and accuracy of the information reported hereon. I am a duly sworn and authorized person in the State of Pennsylvania, Department of Environmental Protection. Based on the information and records reviewed and on the best of my knowledge and belief, 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).				TELEPHONE		DATE		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")									



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Company LLC
ADDRESS 1848 Lay Road
Delta, PA 17314-9032
FACILITY Peach Bottom Atomic Power Station
LOCATION Peach Bottom Township
York County
WATERSHED 7-I

PA0009733
PERMIT NUMBER

032
OUTFALL NUMBER

Reporting Frequency: Annually
DMR Effective From: October 1, 2014
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Permit Expires: September 30, 2019
Permit Application Due: April 3, 2019

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MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab

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

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME: Exelon Generation Company LLC
ADDRESS: 1848 Lay Road
Delta, PA 17314-9032
FACILITY: Peach Bottom Atomic Power Station
LOCATION: Peach Bottom Township
York County
WATERSHED: 7-1

PA0009733
PERMIT NUMBER

033
OUTFALL NUMBER

Reporting Frequency: Annually
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MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE				
pH	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Copper	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Iron	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Nickel	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
Total Zinc	SAMPLE MEASUREMENT	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	Report Daily Max	mg/L		1/year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED				AREA CODE		NUMBER		
				YEAR		MO		
				DAY				

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



INSTRUCTIONS FOR COMPLETING DISCHARGE MONITORING REPORTS (DMRs)

General

One or more Discharge Monitoring Reports (DMRs) are attached to your permit for reporting the results of self-monitoring activities as required by your permit. You should make copies of the DMRs for your ongoing use, unless you elect to participate in the Department of Environmental Protection's (DEP's) electronic DMR (eDMR) program (see www.dep.state.pa.us/edmr).

- Reporting frequencies will vary depending on the monitoring frequencies listed in your permit, and are generally monthly, quarterly semi-annually and annually.
- Your reports must be received by DEP on the 28th day of the month following the end of the reporting period, unless otherwise specified in Part C of your permit.
- Your permit may require submission of DMRs to other agencies, including the U.S. Environmental Protection Agency (EPA).
- If you receive DMRs in the mail from EPA, please discontinue use of DMR Form No. 3800-FM-BPNPSM0462 and begin using EPA's DMRs.
- DMRs will generally include pre-populated information for permittee name and address, facility location, permit number, outfall number, permit expiration date, parameter names, and permit requirements. If you identify any errors on a DMR issued by DEP, please contact the DEP regional office that issued your permit. If you identify any errors on a DMR issued by EPA, please contact DEP's Central Office at 717-787-6744. **DO NOT make changes to DMRs issued to you.**
- You may use computer-generated replicas of Form No. 3800-FM-BPNPSM0462 or of EPA's DMR if you receive prior approval from DEP and EPA. **DEP reserves the right to instruct you to discontinue the submission of computer-generated DMRs if the permit requirements you entered on the form are inaccurate.**

Instructions

1. Enter statistical results into each blank field below the "VALUE" column headers. Results must be reported in the same units shown on the DMR.
2. Sum the total number of excursions or exceedances of permit limits across the row for each parameter and enter the value into the "NO. EX" field. For example, if the permit contains limits of 6.0 S.U. (Minimum) and 9.0 S.U. (Maximum) for pH, and the Minimum and Maximum results are 5.9 S.U. and 9.1 S.U., respectively, enter "2" into the "NO. EX" field.
3. Report the actual sampling frequency and sample type utilized during the reporting period in the fields corresponding to "Frequency of Analysis" and "Sample Type", respectively.
4. Type the name of the principal executive officer (or an authorized agent designated by a principal executive officer) who is taking responsibility for the report, sign the report (should be in ink), enter the telephone number of the responsible individual, and record the date that the report was signed. Mail only original, signed copies of DMRs.
5. In the Comments section at the bottom of the DMR, you may write a brief summary of violations in this section; however, DEP requests that all violations during the monitoring period be reported in more detail on DEP's **Non-Compliance Reporting Form** (3800-FM-BPNPSM0440) and be submitted as an attachment to the DMR. Other uses of the Comments Section include explanations of attachments to the DMR, explanations for the unavailability of data, and brief summaries of issues that have affected operations or effluent quality during the monitoring period. Always consider attaching a letter or separate document to explain your situation in more detail.

No Discharge or No Data Available

If there was no discharge at all from an outfall during the monitoring period, check the “No Discharge” box on the top of the DMR. Complete the information above and below the table and mail the DMR to the appropriate agencies. Be sure to sign and date the DMR.

If there was no discharge of a specific parameter (e.g., if a chlorine limit is in the permit but chlorine was not used for disinfection during the entire reporting period), or if data are not available for a specific parameter for the entire reporting period, do not leave the DMR blank. Instead, report one of the following No Data Indicator (NODI) codes that apply to your situation in the appropriate value field, and **provide an explanation as an attachment to the DMR:**

- A** Use if you are exempted from monitoring the parameter because of a General Permit condition.
- E** Use if all samples or results are not available for the reporting period due to equipment failure or because sample collection was overlooked or samples could not be collected for the parameter.
- GG** Use if your permit requires sample collection and analysis only under certain conditions and those conditions were not met during the reporting period (e.g., report chlorine results only when chlorination system is used).
- FF** Other: use if there is any reason for the absence of data that is not covered by those above.

If you have at least one result for a parameter, the value should be reported and not a NODI code.

Calculations

The following explains how to calculate statistical values that are commonly required by permits:

Monthly Average – For Loading (lbs/day), sum the total of daily loadings and divide by the number of samples during the month. To calculate the daily loading, multiply the daily concentration (mg/l) by the flow (MGD) on the date of sampling and a conversion factor of 8.34. For Concentration, sum the total of daily concentrations and divide by the number of samples.

Weekly Average – For Loading (lbs/day), sum the total of average daily loadings during each week of the reporting period (beginning on a Sunday and ending on a Saturday) and divide by the number of samples during the week. For Concentration, sum the total of daily concentrations each week and divide by the number of samples. Report the maximum weekly average on the DMR.

Maximum Daily (“Daily Max”) – Report the maximum concentration or load measured during a 24-hour period during the reporting period; if multiple measurements are taken daily, include all data in the analysis.

Instantaneous Maximum (“IMAX”) – Report the maximum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

Instantaneous Minimum (“Minimum”) – Report the minimum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

Total Monthly Load (lbs) – Sum the total of average daily loadings, divide by the number of samples during the month, and multiply by the number of days in the month.

Geometric Mean – Report the average of a set of n sample results given by the n th root of their product. If any result is zero (0), substitute 1 for the calculation. For example, five samples were analyzed with the following results: 20, 300, 400, 500, and 0. The calculation of geometric mean is as follows (note that you will need to use the power function on a calculator):

$$\sqrt[5]{20 \cdot 300 \cdot 400 \cdot 500 \cdot 1} = \sqrt[5]{1,200,000,000} = (1,200,000,000)^{1/5} = 65$$

Non-Detect Data**Conventional and Toxic Parameters**

For calculating average values of data sets in which there are some "detections" (results at or above the laboratory reporting limit) and some "non-detect" data (results reported below the laboratory reporting limit), use the reporting limit for non-detect data. In other words, ignore the less than (<) symbol for statistical calculations and include the < symbol with the statistical result if there is at least one non-detect result in the data set. For example, four samples were analyzed with the following results: < 1.0, 2.0, < 1.0, and 1.0. The average statistical result is < 1.3.

Where the permit includes an effluent limitation for a parameter that is less than the most sensitive detection limit available, and the laboratory reports a value at or below the lowest level specified by the permit, you may use zero (0) in the calculation in lieu of the reporting limit, if the parameter is identified in 25 Pa. Code Chapter 16, Appendix A, Tables 2A and 2B. In general, parameters with limitations that are less than the most sensitive detection limit will be identified in Part C of the permit, if applicable.

Bacteria Parameters

Report all "non-detect" (e.g., < 2) and "too numerous to count" (TNTC) (e.g., > 2,000) results on DMR supplemental forms as reported by the laboratory. Do not report "TNTC" on supplemental forms, but instead report a value qualified with the ">" symbol. Where a data set includes one or more "non-detect" and/or TNTC results, calculate the geometric mean by ignoring qualifying symbols, but report the value with the symbol. If a data set includes both ">" and "<" qualifiers, the ">" qualifier takes precedence for reporting. For all "non-detect" values, specify in the Comments section of the DMR the maximum volume filtered at the laboratory.

Example 1 – For results are determined, < 2, 10, 20, and 30. The geometric mean should be reported as $< (2 \cdot 10 \cdot 20 \cdot 30)^{0.25} = < 10$. Specify the maximum volume filtered for the < 2 result in the DMR Comments.

Example 2 – Three results are determined, < 2, 1,000, and > 2,000. The geometric mean should be reported as $> (2 \cdot 1,000 \cdot 2,000)^{0.333} = > 158$.

Rounding and Precision

Statistical values reported on the DMR should be rounded to the same number of decimal places as the limit for the parameter as set forth in the permit. If the permit does not contain a limit but requests monitoring only, statistical values for concentration results should be rounded to the maximum number of decimal places in the data set as reported by the laboratory or the instrument used for analysis. If mass loads must be reported and there is no limit, round statistical values to the nearest whole number, unless the calculated number is less than one, in which case the value should be rounded to one significant figure (e.g., 0.1, 0.05, etc.). If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up, otherwise round down.

The documents "Discharge Monitoring Reports Overview and Summary" (3800-BK-DEP3047) and "Management of Non-Detect Results for Discharge Monitoring Reports" (3800-FS-DEP4262) contain more information and are incorporated by reference. These documents are available on DEP's website.



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station
Municipality: Peach Bottom Township County: York
Watershed: 7-I and 7-K
Laboratories: _____

Month: _____ Year: _____
NPDES Permit No.: PA0009733 Outfall No.: 001
Renewal application due 180 days prior to expiration
This permit will expire on September 30, 2019

Day	Flow		pH		TRC		Temperature		Total Phosphorus		Total Nitrogen		Total PCBs	
	Q	MGD	Q	S.U.	Q	mg/L	Q	°F	Q	mg/L	Q	mg/L	Q	mg/L
1														
2														
3														
4														
5														
6														
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I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____
Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station
 Municipality: Peach Bottom Township County: York
 Watershed: 7-J and 7-K
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0009733 Outfall No.: 002
 Renewal application due 180 days prior to expiration
 This permit will expire on September 30, 2019

Day	Flow		pH		TRC		Temperature		Total PCBs					
	Q	MGD	Q	S.U.	Q	mg/L	Q	°F	Q	mg/L	Q		Q	
1														
2														
3														
4														
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station
 Municipality: Peach Bottom Township County: York
 Watershed: 7-I and 7-K
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0009733 Outfall No.: 003
 Renewal application due 180 days prior to expiration
 This permit will expire on September 30, 2019

Day	Flow		TSS		Oil and Grease		Total Aluminum		Effluent Parameters	
	Q	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q	Q
1										
2										
3										
4										
5										
6										
7										
8										
9										
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name: Peach Bottom Atomic Power Station
Municipality: Peach Bottom Township County: York
Watershed: 7-I and 7-K
Laboratories: _____

Month: _____ Year: _____
NPDES Permit No.: PA0009733 Outfall No.: 00_4
Renewal application due 180 days prior to expiration
This permit will expire on September 30, 2019

Day	Flow		TSS		Oil and Grease		Effluent Parameters	
	Q	MGD	Q	mg/L	Q	mg/L	Q	Q
1								
2								
3								
4								
5								
6								
7								
8								
9								
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Prepared By: _____ Signature: _____
Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station Month: _____ Year: _____
 Municipality: Peach Bottom Township County: York NPDES Permit No.: PA0009733 Outfall No.: 00_5
 Watershed: 7-I and 7-K Renewal application due 180 days prior to expiration
 Laboratories: _____ This permit will expire on September 30, 2019

Day	Flow		pH		DO		TRC		CBOD5		TSS		Fecal Coliform		Ammonia		Total Phosphorous		
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q	mg/L	Q	mg/L	
1																			
2																			
3																			
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station
 Municipality: Peach Bottom Township
 Watershed: 7-L and 7-K
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0009733 Outfall No.: 006
 Renewal application due **180 days** prior to expiration
 This permit will expire on September 30, 2019

Day	Flow		TSS		Oil and Grease		Effluent Parameters	
	Q	MGD	Q	mg/L	Q	mg/L	Q	Q
1								
2								
3								
4								
5								
6								
7								
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9								
10								
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station
Municipality: Peach Bottom Township County: York
Watershed: 7-I and 7-K
Laboratories: _____

Month: _____ Year: _____
NPDES Permit No.: PA0009733 Outfall No.: 008
Renewal application due **180 days** prior to expiration
This permit will expire on September 30, 2019

Day	Flow		pH		Temperature		Effluent Parameters	
	Q	MGD	Q	S.U.	Q	°F	Q	Q
1								
2								
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Prepared By: _____ Signature: _____
Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Peach Bottom Atomic Power Station
 Municipality: Peach Bottom Township County: York
 Watershed: 7-I and 7-K
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0009733 Outfall No.: 901
 Renewal application due **180 days** prior to expiration
 This permit will expire on September 30, 2019

Day	Flow		pH		TSS		Oil and Grease		Effluent Parameters		
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	Q	
1											Q
2											
3											
4											
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



SUPPLEMENTAL REPORT – CHEMICAL ADDITIVES USAGE

Facility Name: Peach Bottom Atomic Power Station Month: _____ Year: _____
 Municipality: Peach Bottom Township County: York NPDES Permit No.: PA0009733 Outfall No.: 001
 Watershed: 7-I and 7-K Renewal application due **180 days** prior to expiration
 This permit will expire on September 30, 2019

Day	3D TRASAR 3DT124		3D TRASAR 3DT199		Corrosion Inhibitor (Sodium Nitrite)		Chemical Names		lbs		gallons		lbs		gallons		
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	
1																	
2																	
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30																	
31																	
Average																	
Maximum																	

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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



SUPPLEMENTAL REPORT – CHEMICAL ADDITIVES USAGE

Facility Name: Peach Bottom Atomic Power Station County: York Month: _____ Year: _____
 Municipality: Peach Bottom Township NPDES Permit No.: PA0009733 Outfall No.: 003
 Watershed: 7-I and 7-K Renewal application due **180 days** prior to expiration
 This permit will expire on September 30, 2019

Day	Citric Acid		Glycerin		Hypersperse MDC150		Klaraid IC1172P		Sodium Hydroxide, 33%		Hydrogen Peroxide, 50%		lbs		gallons	
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1																
2																
3																
4																
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



SUPPLEMENTAL REPORT – CHEMICAL ADDITIVES USAGE

Facility Name: Peach Bottom Atomic Power Station County: York Month: _____ Year: _____
 Municipality: Peach Bottom Township NPDES Permit No.: PA0009733 Outfall No.: 004
 Watershed: 7-I and 7-K Renewal application due 180 days prior to expiration
 This permit will expire on September 30, 2019

Day	Disodium Phosphate		Trisodium Phosphate		Sodium Sulfite		Chemical Names		lbs		gallons		lbs		gallons	
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1																
2																
3																
4																
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



SUPPLEMENTAL REPORT – CHEMICAL ADDITIVES USAGE

Facility Name: Peach Bottom Atomic Power Station County: York Month: _____ Year: _____
 Municipality: Peach Bottom Township NPDES Permit No.: PA0_00_733 Outfall No.: Closed-Loop
 Watershed: 7-J and 7-K Renewal application due 180 days prior to expiration
 This permit will expire on September 30, 2019

Day	Spectrus NX1105 (Glutaraldehyde)		AZ 8100 (Benzotriazole)		Chemical Names							
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1												
2												
3												
4												
5												
6												
7												
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Prepared By: _____ Signature: _____

Title: _____ Date: _____



NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). **Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.** If you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information.

Facility Name: Peach Bottom Atomic Power Station Month: _____ Year: _____
 Municipality: Peach Bottom Township County: York Permit No.: PA0009733

Violations of Permit Effluent Limitations*

Date	Parameter	Permit Limit	Units	Statistical Code	Result	Units	Cause of Violation	Corrective Action Taken

Sanitary Sewer Overflows and Other Unauthorized Discharges*

Event Date	Substance Discharged	Location	Volume (gals)	Duration (hrs)	Receiving Waters	Impact on Waters	Cause of Discharge	Date DEP Notified

Other Permit Violations*

- Sample collection less frequent than required Explain _____
- Sample type not in compliance with permit Explain _____
- Violation of permit schedule Explain _____
- Other Explain _____
- Other Explain _____

*** If the space provided is not sufficient to record all information, please attach additional sheets.**

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____ Signature: _____
 Title: _____ Date: _____



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: Exelon Generation Company LLC

Address: 1848 Lay Road
Delta, PA 17314-9032

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day			
PA0009733			TO	

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER ²

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 possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer _____ Phone: _____ Signature of Principal Executive Officer or Authorized Agent _____

_____ Date: _____

¹ Submit this form with the first Discharge Monitoring Report (DMR) or Annual Report, where sample results are submitted to the Department for compliance purposes. You do not need to send this form to the Department again UNLESS there has been a change to the lab(s), parameter(s) or method(s) of analysis.

² For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.



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

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

1. Date of Inspection _____ 3. NPDES Permit # <u>PA0009733</u>	2. Facility Owner/Operator Name and Address: <u>Exelon Generation Company LLC</u> <u>1848 Lay Road</u> <u>Delta, PA 17314-9032</u> Tel: <u>(610) 765-5514</u> Fax: <u>(610) 765-5561</u>
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4. Facility Address and Location
 Street 1848 Lay Road, Delta, PA 17314
 Municipality Peach Bottom Township County York

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.

7. 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 x I x 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)

VISUAL 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: _____

22. 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 STORM WATER DISCHARGE MONITORING**

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

A. PERMITTEE'S NAME		OUTFALL/DISCHARGE NO.	
Exelon Generation Company LLC			
FACILITY/LOCATION			
Peach Bottom Atomic Power Station, Peach Bottom Township, York County			
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 measurable (greater than 0.1 inch) 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 climactic 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 separate sheet the drainage area and volume of runoff under item B. above for each outfall.			

INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

DAILY EFFLUENT MONITORING REPORT

Use this form to report daily monitoring results for the parameters that must be monitored in effluent for compliance with the permit. Results for influent parameters are normally reported on Form 3800-FM-BPNPSM0436.

1. Enter Facility Name, Municipality, County, Watershed No., Laboratories, Month, Year, NPDES Permit No., Outfall No., and Permit Expiration Date (it is noted that this information may be pre-populated if you have received this form with your permit). For Laboratories, list the names of all laboratories where samples were analyzed during the month, including on-site analysis.
2. In the column headers, below "Effluent Parameters," enter the names of parameters in the permit. Since limited space is provided, abbreviation may be necessary. If there are more parameters for an outfall than columns provided on the form, attach an additional sheet.
3. Below parameter names, and to the right of "Q" (Qualifier) column headers, enter the units associated each parameter (it is noted that this information may be pre-populated if you have received this form with your permit).
4. Enter monitoring results for parameters in the rows corresponding to the day of the month in which samples were collected. Enter results exactly as reported by the laboratory, or if measured with on-site equipment, to the level of precision recommended by the equipment manufacturer. Enter data qualifiers such as "<," ">," "J," and others in the "Q" column.
5. Calculate and report average values at the bottom of the table in accordance with the DMR Instructions (3800-FM-BPNPSM0463) and DEP guidance (3800-BK-DEP3047). Note – for bacteria, calculate and report the geometric mean value.
6. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

CHEMICAL ADDITIVES USAGE

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., Outfall No. and Permit Expiration Date. A separate sheet is required for each outfall that receives chemical additives.
2. In the spaces below the Chemical Names header in the table, enter the chemical additives used at the facility. If more than eight additives are used per Outfall, add more sheets.
3. Enter the daily usage rates for each chemical. Enter additives introduced in liquid form in the "gallons" column and additives in solid form (or if you have calculated the mass equivalent of liquid additives) under the "lbs" column.
4. Calculate the average and maximum usage rates for each chemical at the bottom of the table.
5. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). If you are reporting other non-compliance events, and the deadline for a written report (e.g., 5 days) does not coincide with your submission of the DMR, this form should be submitted separately to the Department by the reporting deadline set forth in the permit.

INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

If you are unsure of whether an incident constitutes non-compliance that may endanger health or the environment, it is recommended that you notify the Department verbally as soon as possible after you become aware of the incident. Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.

Instructions:

1. Enter the name of the facility, the municipality and county where it is located, the month and year when violations occurred, and the NPDES or WQM permit number for the facility.
2. If there were violations of permit effluent limitations during the month, check the box next to "Violations of Permit Effluent Limitations." (Note – if using the electronic version of this form, check the boxes first, and then select Tools – Unprotect Document to enter additional information). Enter the date of the violation (if a violation of a minimum or maximum limit, the date of sample collection, or if a violation of an average limit, the end of the monitoring period), the parameter name, the permit limit and units, the statistical code (e.g., "MIN", "MAX", "MO AVG", etc.), the measured result and units, the cause of the violation and the corrective action taken. **If there are more than two violations during the monitoring period and/or if the space provided is insufficient to explain the cause or corrective action, please attach additional pages.**
3. If there are Sanitary Sewer Overflow (SSO) discharges or other unauthorized discharges from the facility (e.g., spills, leaks, etc.) that enter or have the potential to enter waters of the Commonwealth, including groundwater, notify DEP by phone as soon as possible, and document the discharge on this form by checking the box next to "Sanitary Sewer Overflows and Other Unauthorized Discharges." Record the event (discharge) date, the substance discharged (e.g., sewage, on-site chemicals, etc.), the location where the discharge occurred (e.g., manhole number, pump station name, equipment description, etc.), the volume discharged (gallons), the approximate duration of the discharge (hours), the receiving waters (name of stream or groundwater), the impact on the receiving waters, if observed (e.g., solids deposition, foam, fish kill, etc.), the cause of the discharge, and the date on which the Department was verbally notified. **If there are more than two discharge events during the monitoring period and/or if the space provided is insufficient to explain the discharge, please attach additional pages.**
4. If there are other violations of the permit, check the box next to "Other Permit Violations," and check the appropriate box that describes the violation type. If not identified on the form, check the box next to "Other" and provide a written explanation. **If the space provided is insufficient to explain the violation, please attach additional pages.**
5. Type your name and title and sign and date the form after reading the certification statement.

If you have questions about completing this form, contact the Clean Water Program Operations Section of the Department in your region:

Southeast Region – (484) 250-5970
Northeast Region – (570) 826-2553
Southcentral Region – (717) 705-4707

Northcentral Region – (570) 327-0532
Southwest Region – (412) 442-4060
Northwest Region – (814) 332-6942

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

Who May Use This Form

This form is to be used by all PAG-03 permit holders to comply with the (1) annual inspection requirement in Section A.2.b.(1) concerning Appendix J facilities, and (2) Comprehensive Site Compliance Evaluation and Record Keeping requirement in Section C.3.c. of the General Permit. This form may also be used for facilities with individual NPDES permits.

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.

Permittees required to comply with Appendix J of the General Permit are eligible to conduct an Annual Inspection in lieu of monitoring. 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 discharge(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 General Permit or whether additional control measures are necessary. Any deficiencies found during the inspection are to be corrected promptly in accordance with Part C.3.c.(2) of the General Permit.

Permittees that need to comply with requirements other than Appendix J of the General Permit must use this form to comply with Comprehensive Site Evaluation and Recordkeeping requirement of the General Permit.

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.

Appendix B
SRBC Docket

Peach Bottom Atomic Power Station Environmental Report – Operating License Renewal Stage

Susquehanna River Basin Commission

a water management agency serving the Susquehanna River Watershed



July 14, 2011

Mr. Robert Reiner
Manager – Site Chemistry Environmental & Radwaste
Exelon Generation Company, LLC
Mail Code PS-2
1848 Lay Road
Delta, PA 17314

Re: Exelon Generation Company, L.L.C. – Peach Bottom Atomic Power Station;
Commission Docket No. 20061209-1

Dear Mr. Reiner:

This letter is to inform you that on June 23, 2011, the Susquehanna River Basin Commission (Commission) acted to approve the docket referenced above, a copy of which is enclosed for your records.

This approval requires compliance with the Commission's monitoring and reporting requirements, Commission Regulation 18 CFR §806.30. Quarterly reports and the appropriate payment, if applicable, should be submitted "on-line" using the Internet within 30 days after the close of the preceding quarter. **Please note that the project will be receiving an e-mail from Todd Hitz directly regarding a summary of your approval(s) and general reporting requirements and instructions.**

Please be advised that, under Commission Regulation 18 CFR §808.11, the approval granted by the Commission is contingent upon compliance with all provisions of the Susquehanna River Basin Compact (Compact), as well as the Commission's rules, regulations, order, approvals, conditions of approval, and any other requirements of the Commission. It is your obligation to fulfill all conditions of this approval within the specified time limits and provide written notification to the Commission, as appropriate, and comply with all conditions set forth therein. Failure to meet any term or condition within the specified time may subject you to enforcement action and imposition of civil penalties pursuant to Commission Regulation 18 CFR Section 808, Subpart B, §808.15(f), and Section 15.17 of the Compact. Penalties range from \$50 to \$1,000 a day, per condition (which includes exceeding approved quantities), with every day being a separate offense.

Pursuant to Commission Regulation 18 CFR §808.2 relating to administrative appeals, you may file a written appeal requesting a hearing if you are aggrieved by this action of the Commission, which shall be filed within thirty (30) days of receipt of this notice.

If you have any questions regarding the above, please contact me at (717) 238-0423, extension 221. In addition, if the amount of your water use or your water source should change in the future, you are required to reapply to the Commission for approval. Please notify the Commission prior to any modifications in your project to remain in compliance.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Andrew D. Dehoff". The signature is written in a cursive style with a large, stylized initial "A".

Andrew D. Dehoff, P.E.
Manager, Project Review

Enclosure



SUSQUEHANNA RIVER BASIN COMMISSION

1721 North Front Street • Harrisburg, Pennsylvania 17102-2391

(717) 238-0423 Phone • (717) 238-2436 Fax

www.srbc.net

Docket No. 20061209-1

Approval Date: December 5, 2006

Modification Date: June 23, 2011

EXELON GENERATION COMPANY, LLC PEACH BOTTOM ATOMIC POWER STATION

Consumptive Water Use (Peak Day) of up to 49,000 mgd, and
Surface Water Withdrawal of up to 2,363.620 mgd from the Susquehanna River,
for Electric Power Generation

Section 1. Approval

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission determines that no adverse impacts to area surface water or groundwater withdrawals are anticipated by the operation of this project, and that the project is physically feasible, does not conflict with or adversely affect the Commission's Comprehensive Plan, and does not adversely influence the present or future use and development of the water resources of the basin. Accordingly, the application of the project sponsor requesting a modification for an increased consumptive use of water in support of the project identified in Section 2, from the source identified in Section 3, is hereby approved by the Commission in accordance with the conditions set forth below.

Commission staff has coordinated with the Pennsylvania Department of Environmental Protection (PADEP) during review of this project.

Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
Project Sponsor:	Exelon Generation Company, LLC
Approval Types:	Consumptive Water Use
Water Use Type:	Electric Power Generation
Municipality:	Drumore Township; Peach Bottom Township
County:	Lancaster County; York County
State:	Pennsylvania

Section 3. Source Information

Source Information	
Approved Source:	Susquehanna River
Subbasin:	Lower Susquehanna
Watershed Boundary Dataset (WBD):	0205030617 (Susquehanna River)
Withdrawal Location (degrees):	Lat: 39.76056 N Long: -76.26556 W
Water Use Designation:	Warm Water Fishery (WWF)
Flow Statistics (cfs):	Q7-10 = 2,812; Average Daily Flow = 38,671
Special Flow Protection Required:	No
Cfs – cubic feet per second	

The surface water withdrawal was in use prior to November 11, 1995, and did not previously require Commission approval. However, the application for increased surface water withdrawal in 2006 subjected the existing withdrawal to review and approval under Commission Regulation 18 CFR §806.4(a)(2)(iv).

Section 4. Approved Consumptive Water Use Quantities and Limitations

The consumptive water use approved hereunder is subject to the quantitative limits and restrictions set forth in the table below.

Approved Consumptive Water Use Quantities and Limitations	
Sources for Project Consumptive Water Use:	Conowingo Reservoir; Susquehanna River
Peak Day Consumptive Water Use Amount (mgd):	49.000 (Not to Exceed)
Project Consumptive Water Uses:	<ol style="list-style-type: none"> 1. Cooling Tower Evaporation 2. Drift Losses 3. Instream Evaporation

The consumptive water use is also subject to all other conditions set forth in this docket approval.

Section 5. Existing Approved Withdrawals

The Commission originally approved the project on December 5, 2006, as Commission Docket No. 20061209 for the surface water withdrawal (peak day) of 2,363.620 mgd from the Susquehanna River and the consumptive water use (peak day) of 32.490 mgd.

A summary of major conditions applicable to the existing approved withdrawal is listed in the table below.

Existing Approved Surface Water Withdrawal			
Source	Peak Day Withdrawal (mgd)	Commission Docket No.	Docket Expiration Date
Susquehanna River	2,363.620	20061209	7/3/2034

As specified in Condition 16 in Section 7, all conditions of the docket referenced above are superseded by this approval. The approved surface water withdrawal from the source identified in Section 3 shall henceforth be subject to all conditions contained herein.

Section 6. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, including metering and reporting requirements contained in Commission Regulation 18 CFR §806.30.

2. The project sponsor has submitted a metering plan to the Commission for review and approval by Commission staff that accounts for all surface water withdrawal and consumptive water use at the Peach Bottom Atomic Power Station facility. Following approval, the project sponsor shall execute the plan and complete implementation in accordance with the approved schedule. The project sponsor shall notify the Commission, in writing, when the monitoring plan has been fully implemented.

3. The project sponsor or any other person shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under Commission Regulation 18 CFR §808.12.

4. The project sponsor shall keep daily records of the project's withdrawal and shall report the data to the Commission quarterly, and as otherwise required. The daily quantity of withdrawal shall be calculated in accordance with Condition 2 above. Quarterly monitoring reports shall be submitted on-line and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and, if appropriate, approved by Commission staff prior to implementing or modifying existing equipment or procedures.

5. The project sponsor shall keep daily records of the project's consumptive water use and shall report the data to the Commission quarterly, and as otherwise required. The daily quantity of water consumptively used shall be calculated in accordance with Condition 2 above. Quarterly monitoring reports shall be submitted on-line and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure requested by the project sponsor shall be submitted for review and, if appropriate, approved by Commission staff.

6. The project's consumptive water use is subject to water mitigation requirements, as per Commission Regulation 18 CFR §806.22(b). To satisfy the Commission's current

compensation requirements for consumptive water use, the project sponsor has proposed to mitigate the project's consumptive water use through releases from Conowingo Reservoir. Until such time as Commission staff approves the proposed mitigation, the project sponsor shall adhere to the compliance method first approved in Resolution No. 93-04, effective until September 16, 2011. If the parties cannot reach agreement on the revised plan before that date, the project sponsor shall make quarterly payments to the Commission at the rate specified in the effective Regulatory Program Fee Schedule, as modified from time to time by the Commission, until agreement is reached, unless an extension is requested by the project sponsor and approved by the Commission.

7. The project sponsor shall comply with the water conservation requirements specified in Commission Regulation 18 CFR §806.25(b).

8. To satisfy the Commission's registration requirement, the project sponsor shall register with the PADEP all surface water and groundwater sources described in this docket in accordance with 25 PA Code §110.201, Pennsylvania Water Resources Planning Act, Act 220 of 2002.

9. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project is subject to enforcement actions pursuant to Commission Regulation 18 CFR §808.

10. Commission approval shall not be construed to exempt the project sponsor from obtaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission reserves the right to modify, suspend, or revoke this action if the project sponsor fails to obtain or maintain such approvals.

11. The Commission reserves the right to reopen any project docket or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to Commission Regulation 18 CFR §806.32.

12. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

13. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

14. Should the project's approved withdrawals or consumptive uses be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval at that time.

15. This modified approval is effective until July 3, 2034, the term of the prior docket approval. As specified in Commission Regulation 18 CFR §806.31(e), the project sponsor shall submit an application by January 3, 2034, and obtain Commission approval prior to continuing operation beyond July 3, 2034.

Section 7. Special Conditions

16. The Commission previously approved the surface water withdrawal and consumptive water use at the facility in Commission Docket No. 20061209. All conditions and approvals of Commission Docket No. 20061209 are hereby superseded and rescinded.

CERTIFICATION: I, Stephanie L. Richardson, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on June 23, 2011.

Dated: June 24, 2011


Stephanie L. Richardson