

CCEC Section 401 CWA Crosswalk

GENERAL INFORMATION FORM (GIF)				
Section	Internal Notes on Completing the Form	CEG Input	Enclosure	Document
Land Use Information		Section not applicable to project	N/A	
Coordination Information	CCEC ER Section 2.2, Summary of Restart Activities, includes a description of earth disturbance, which is planned to occur on previously disturbed land. ER Section 4.6, Air Quality, provides a description of anticipated air emissions from restart activities and resumption of power operations. ER Section 4.8, Waste Management, provides a description of waste expected to be generated from restart activities and resumption of power operations.	No major demolition activities are anticipated, and no new construction on undeveloped land is planned. Any new construction, if needed, is expected to be on previously disturbed land and is expected to follow existing site procedures and environmental screening processes.	A	CCEC ER Sections 2.2, Summary of Restart Activities, 4.6, Air Quality, and 4.8, Waste Management
			B	SRBC docket renewal with modification application Section 1.4 PDF page 2 includes existing and requested surface water withdrawal quantities

ENVIRONMENTAL ASSESSMENT (EA) FORM					
Module	Section	Enclosure	Document	Page #	Notes
S1: Project Summary	S1. A, project description	A	CCEC ER Section 1.0, Introduction	Page 9	ER Section 1.0 provides an overall description of the project
	S1. B, project purpose, need, water dependency, and summarize the resources present and impacts	A	Project purpose and need: CCEC ER Section 1.2, Purpose of and Need for Proposed Action Resources present and impacts: CCEC ER Chapters 3, Affected Environment, and 4, Environmental Impacts	Page 9 Pages 29-105	ER Section 1.2 provides a description of the project purpose and need. ER Chapter 3 provides a description of resources and Chapter 4 provides an impact analysis of restart.
		B	Water dependency: SRBC docket modification with renewal application Section	PDF page 4 and page 50	SRBC Section 2.1 of the application describes the purpose and need to withdraw water.

ENVIRONMENTAL ASSESSMENT (EA) FORM					
Module	Section	Enclosure	Document	Page #	Notes
			2.1, Project Facility Description		
		M	Summary table of the proposed project permanent and temporary direct and indirect impacts from Module S3.A associated with the application	NA	<p>There are no anticipated indirect or direct impacts to the Susquehanna River associated with North Bridge maintenance work. Work will occur from the existing deck and piers. No disturbance is proposed within the waterway or ground below the bridge.</p> <p>There are no anticipated indirect or direct impacts to the Susquehanna River associated with dredging activities in the intake screen structure. Dredged material will be placed on the east side of Three Mile Island not in the river. If, in the future, CEG determines that dredging is necessary within the Susquehanna River, CEG expects to submit a USACE permit application.</p>
S2: Resource Identification and Characterization	S2. A, standard resource identification information, location map, etc., and answer questions related to national/state parks, landmarks, prime farmland, public water supply, etc.	A	CCEC ER Figure 2.1-1, Section 3.1, Land Use	Pages 16 and 29	CCEC ER Figure 2.1-1, CCEC Vicinity, and Section 3.1 Land Use, confirm there are no national parks, landmarks, wildlife refuges, state game lands, scenic rivers, etc. within or adjacent to the site.
		B	SRBC docket modification with renewal application Section 4.1, Environmental Resource Information, and Section 4.2, Wetland Information	PDF page 8	SRBC application Section 4.1 includes a description of onsite resources, and Section 4.2 includes a description of wetlands.
		C	NPDES permit renewal application resubmittal, topographic map	PDF page 88	The NPDES application topo map includes the names and boundaries of regulated waters.

ENVIRONMENTAL ASSESSMENT (EA) FORM					
Module	Section	Enclosure	Document	Page #	Notes
		D	A.(v), Prime Farmland: USDA NRC Web Soil Survey map	NA	The USDA soil survey report identifies prime farmland on the operational area of the site.
		E	Letter to Exelon dated October 5, 2018, regarding potentially jurisdictional environment features within a 5-acre area	NA	The letter describes an environmental field review that was conducted in 2018 for a 5-acre area for an independent spent fuel storage installation (ISFSI). Environmental features, such as streams and wetlands, were not observed that could be considered jurisdictional under the PA DEP or the EPA.
	S2. B, aquatic resources present on the project site	F	NRC 2024 Environmental Assessment for Specific Decommissioning Activities at Three Mile Island, Unit 2 in Dauphin County, Pennsylvania (EASDA) Section 3.2.2, Aquatic Resources	3-11 to 3-12	EASDA Section 3.2.2 includes a description of aquatic resources for CCEC and the 6-mile vicinity of the site.
		A	CCEC ER Sections 3.2.2 Surface Water and 3.3.2, Aquatic Ecology	Pages 43-44	ER Sections 3.2.2 and 3.3.2 conclude that the aquatic resources information provided in the EAS DA remains valid.
		C	NPDES permit renewal application submittal, Module 5	PDF pages 18 and 73	The NPDES permit renewal application provides the designated use class (Title 25 PA Code Chapter 93) and a description of the physical configuration of all source water bodies at CCEC.
S2: Resource Identification and Characterization	S2. C, habitat for state and federal T&E species along with PNDI search.	A	CCEC ER Section 3.3.3, Special Status Species and Habitats	Pages 44-53	ER Section 3.3.3 includes a description of federal and state T&E species.

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Module	Section	Enclosure	Document	Page #	Notes
		B	SRBC docket modification with renewal application Section 4.3, RTE Species Inventory	PDF page 9 and PDF pages 160-200	SRBC application Section 4.3 indicates a PNDI search was completed on July 25, 2025, and that there are no known or anticipated impacts associated with proposed withdrawals
	S2. D, characterize the aquatic resources present on the project site that are proposed to be directly or indirectly affected	A	CCEC ER Section 3.2.2	Pages 34-38	The ER and SRBC docket application characterize the aquatic resources at CCEC
		B	SRBC docket modification with renewal application Section 5.6.3	PDF page 11 and PDF page 239	
S3: Identification and Description of Potential Project Impacts	S3. A, summary table of the proposed temporary and permanent direct and indirect impacts for each effected resource category	A	CCEC ER Section 4.3.2, Aquatic Ecology	Pages 84-86	ER Section 4.2.3 discusses the aquatic resource impacts for restart activities and resumption of power operations.
		B	SRBC docket renewal with modification application Section 5.1	PDF page 9 and PDF page 201	SRBC application Section 5.1 discusses the anticipated impacts of the project.
		G	SEIS Section 4.4, Surface Water	4-3 to 4-5	Section 4.4 of the SEIS discusses the environmental impact of operation on surface waters, which was considered SMALL.
		H	North Bridge Maintenance Notification	NA	The notification includes the scope of work, the Erosion & Sediment Control Plan, PNDI, PA DEP Permit No. GP-11-22-12-116, and communications with the PA DEP regarding authorizations. Measures are in place to prevent impacts to the Susquehanna River.
		M	Summary table of the proposed project permanent and temporary direct and indirect impacts from Module S3.A associated with the application	NA	There are no anticipated indirect or direct impacts to the Susquehanna River associated with North Bridge maintenance work. Work will occur from the existing deck and piers. No

ENVIRONMENTAL ASSESSMENT (EA) FORM

Module	Section	Enclosure	Document	Page #	Notes
					<p>disturbance is proposed within the waterway or ground below the bridge.</p> <p>There are no anticipated indirect or direct impacts to the Susquehanna River associated with dredging activities in the intake screen structure. Dredged material will be placed on the east side of Three Mile Island not in the river. If, in the future, CEG determines that dredging is necessary within the Susquehanna River, CEG expects to submit a USACE permit application.</p>
<p>S3: Identification and Description of Potential Project Impacts</p>	<p>S3. B, potential impacts to resource(s) in S32.A</p>	<p>A</p>	<p>CCEC ER Section 3.1 Land Use and Section 4.1 Land Use and Visual Impacts</p>	<p>Pages 30 and 77</p>	<p>ER Sections 3.1 and 4.1 describe current onsite land use conditions and proposed projects associated with the resumption of power operations. Projects associated with the preparation of CCEC for power operations are anticipated to occur in previously disturbed areas of the site, and no projects are expected to change existing land uses.</p>
	<p>S3. C, table(s) of all proposed water obstruction(s), encroachment activities and dams</p>	<p>A</p>	<p>CCEC ER Sections 4.2.2.2, 4.3.2.2, and 5.0</p>	<p>Pages 82, 84, and 110</p>	<p>CCEC plans to perform maintenance dredging around the intake structure during the resumption of power operations. ER Sections 4.2.2.2, 4.3.2.2, and 5.0 describe the anticipated impacts of dredging.</p>
		<p>N</p>	<p>PA DEP Maintenance Dredging Permit</p>	<p>Page 2</p>	<p>Routine maintenance dredging operations occur inside the intake structure and directly in front of the intake structure. Suction dredging is performed by underwater divers and has minimal impact on the river outside of the intake structure.</p>
<p>H</p>	<p>North Bridge Maintenance Notification</p>	<p>NA</p>	<p>The notification includes the scope of work, the Erosion & Sediment Control Plan, PNDI, PA DEP Permit No. GP-</p>		

ENVIRONMENTAL ASSESSMENT (EA) FORM

Module	Section	Enclosure	Document	Page #	Notes
					11-22-12-116, and communications with the PA DEP regarding authorizations. Measures are in place to prevent impacts to the Susquehanna River.
		M	Summary table of the proposed project permanent and temporary direct and indirect impacts from Module S3.A associated with the application	NA	<p>There are no anticipated indirect or direct impacts to the Susquehanna River associated with North Bridge maintenance work. Work will occur from the existing deck and piers. No disturbance is proposed within the waterway or ground below the bridge.</p> <p>There are no anticipated indirect or direct impacts to the Susquehanna River associated with dredging activities in the intake screen structure. Dredged material will be placed on the east side of Three Mile Island not in the river. If, in the future, CEG determines that dredging is necessary within the Susquehanna River, CEG expects to submit a USACE permit application.</p>
	S3. D, discussion of how the proposed sub- facilities individually and in combination directly and/or indirectly impact the identified resource(s)	A	CCEC ER Chapter 4, Environmental Impacts	Pages 78-105	ER Chapter 4 addresses impacts to environmental resources from restart activities and resumption of power operations
	S3. E, Antidegradation Analysis	N/A	N/A	N/A	As indicated in the NPDES application, page 26, an antidegradation analysis is not applicable because the applicant is not proposing a new or increased discharge to High Quality (HQ) or Exceptional Value (EV) waters.

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Module	Section	Enclosure	Document	Page #	Notes
	S3. F, Alternatives Analysis	A	CCEC ER Section 1.3, Alternatives	Page 10	ER Section 1.3 describes a no-action alternative, which results in CCEC remaining in decommissioning.
		B	SRBC docket renewal with modification application Section 5.3, Alternatives Analysis	PDF page 10 and PDF pages 203-220	SRBC application Section 5.3 includes an alternative to retrofit CCEC to a dry cooling system, which is not feasible from both technological and nuclear safety perspectives.
	S3. G, Potential Secondary Impact Evaluation	A	CCEC ER Section 4.1, Land Use and Visual Resources, and Section 4.10, Cumulative Effects	Pages 78 and 104	ER Section 4.1 discusses land use impacts from restart activities and resumption of power operations. ER Section 4.10 includes an analysis of changes to the site and vicinity. Cumulative effects were either not expected or anticipated to be NOT SIGNIFICANT.
	S3. H, cumulative environmental impacts of this project	A	CCEC ER Section 4.10, Cumulative Effects	Page 104	ER Section 4.10 discusses the cumulative effects of restart and resumption of power
S4: Mitigation Plan	S4. A, measures taken that resulted in avoiding or minimizing unavoidable resource impacts	A	CCEC ER Section 3.3.1.4, Procedures and Protocols – Terrestrial Ecology, and Section 3.3.2.4, Procedures and Protocols – Aquatic Ecology	Pages 41-44	ER Sections 3.3.1.4 and 3.3.2.4 list and describe existing procedures and protocols that prevent and mitigate impacts on ecological resources
		C	NPDES permit Renewal application resubmittal, Preparedness, Prevention, and Contingency (PPC) Plan	Pages 578-651	The PPC included in the NPDES renewal resubmittal includes preventive and response measures.
		H	North Bridge Maintenance Notification Erosion & Sedimentation Control Plan	Pdf pg. 3 to 17	Maintenance and repairs to the North Bridge over the Susquehanna River will occur from the existing deck and piers. In addition, a debris containment system is to be installed to ensure no construction debris enters the Susquehanna River. No disturbance is proposed within the waterway or ground below the bridge.

ENVIRONMENTAL ASSESSMENT (EA) FORM

Module	Section	Enclosure	Document	Page #	Notes
					In addition to the plans and procedures provided in these enclosures, CEG has a Radiological Emergency Plan.
	S4. B, repair, rehabilitation or restorative actions taken to rectify an impacted resource; proposed preservation and maintenance operations to reduce or eliminate impacts	A, C, H	See Module S4. A. documents, sections, and page numbers	N/A	No rehabilitation or restorative actions are planned or ongoing. CEG plans to use existing plans and procedures to reduce or eliminate impacts on resources during the life of the project.
	S4. C, results from application of the Pennsylvania Function-Based Aquatic Resource Compensation Protocol	N/A	N/A	N/A	Pennsylvania Function-Based Aquatic Resource Compensation Protocol. was rescinded by DEP in January 2023; therefore, this requirement no longer applies.
	S4. D, plan to monitor the identified actions proposed in S4. B and/or S4. C compensatory mitigation area	A	CCEC ER Section 3.2.1.2, Groundwater Quality, Section 3.2.2.2, Surface Water Quality, Section 3.3.1.4, Procedures and Protocols – Terrestrial Ecology, and Section 3.3.2.4, Procedures and Protocols – Aquatic Ecology	Pages 32-36, 41, and 43	ER Section 3.2.1.2 provides details on the Radiological Groundwater Protection Program. ER Section 3.2.2.2 includes descriptions of preventive, mitigation, and monitoring programs related to surface water quality. ER Sections 3.3.1.4 and 3.3.2.4 include descriptions of chemical management, preventive, and mitigation plans and programs.
		I	NPDES Permit No. PA0009920	N/A	The NPDES permit includes monitoring requirements and permit limits for plant effluent. The permit is in administrative extension and supports power operations.

CULTURAL RESOURCE NOTICE		
Enclosure	Document	Notes
J	Historic Resource Survey Form	The survey and cultural resources protection plan both detail the cultural resources on the CCEC site.
K	TMI-1 Cultural Resources Protection Plan	CEG implemented a Cultural Resources Protection Plan for identifying and addressing potential impacts on archaeological and historically significant cultural resources.
L	PSDAR ER Section 2.14, Cultural, Historical, and Archaeological Resources	PSDAR ER Section 2.14 summarizes cultural, historical, and archaeological resources in the CCEC vicinity and monitoring and protection measures

Enclosures

Enclosure A

CEG. 2025. Crane Clean Energy Center Environmental Report. October 2025.

Enclosure B

CEG. 2025. SRBC Docket Renewal with Modification Application. Submitted to SRBC August 2025.

Enclosure C

CEG. 2025. NPDES Permit Renewal Application Resubmittal Package. Submitted to PA DEP March 2025.

Enclosure D

USDA (United States Department of Agriculture). 2025. Natural Resources Conservation Service Web Soil Survey. Retrieved from <<https://websoilsurvey.nrcs.usda.gov/app/>> (accessed August 27, 2025).

Enclosure E

Letter from ENERCON to Exelon dated October 5, 2018, regarding potentially jurisdictional environmental resources for an approximately 5-acre site for an ISFSI.

Enclosure F

NRC. 2024. Draft Environmental Assessment for Specific Decommissioning Activities at Three Mile Island, Unit 2 in Dauphin County, Pennsylvania. August 2024. ADAMS Accession No. ML24197A005.

Enclosure G

NRC. 2009. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants, Supplement 37, Regarding Three-Mile Island Nuclear Station, Unit 1. Final Report (SEIS). June 2009. ADAMS Accession No. ML091751063.

Enclosure H

CS. Davidson, Inc. on behalf of CEG. 2025. North Bridge Maintenance Notification for 2025 Bridge Repairs.

Enclosure I

PA DEP. 2010. NPDES (National Pollutant Discharge Elimination System) Permit No. PA 0009920. Permit issued in 2007 and amended in 2010.

Enclosure J

Hunter, William M. 2009. Historic Resource Survey Form: Duffy Farm, Greenawalt Farm (Historic Names); Lower Farm Ruin (Site 36Da235). Prepared for the Bureau of Historic Preservation [now PA SHPO], Pennsylvania Historical and Museum Commission, Harrisburg, PA, by Heberling Associates, Inc., Alexandria, PA

Enclosure K

EGC (Exelon Generation Company, LLC). 2009. Three Mile Island Generating Station Unit 1 Cultural Resources Protection Plan. Revision 0.

Enclosure L

EGC. 2018. Environmental Report, Post-Shutdown Decommissioning Activities Report (PSDAR), Three Mile Island Nuclear Station, Unit 1.

Enclosure M

CEG Module S3.A Project Summary Table.

Enclosure N

PA DEP Maintenance Dredging Permit No. 2275724



CHAPTER 105 ENVIRONMENTAL ASSESSMENT FORM

		Item Included Location
Note: The Department may waive a specific information requirement in writing, at the request of the Applicant, during the pre-application review process if the Department determines the information is not necessary to complete the review.		
Module S1: Project Summary		
<i>This module is intended to organize information in order to present an overall summary of the project scope, certain key information requirements and when applicable, a comprehensive view of the overall project and related projects.</i>		
A. Provide an overall project description and If the answer to the question below is YES , address CEA requirements; otherwise proceed to S1.B Comprehensive Environmental Assessment (CEA) when applicable. Answer the following question:		<input checked="" type="checkbox"/> Enclosure A
Does the "overall" project require more than one Ch. 105 permit in more than one county or will the project be completed in more than one phase?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
B. Provide information related to the project purpose, need, water dependency and summarize the amount and type of resources present and the temporary and permanent impacts proposed to those resources.		<input checked="" type="checkbox"/> Enclosures A, B, and M
Module S2: Resource Identification and Characterization		
<i>This module is intended to organize information related to the identification of the resources present on the project site and to characterize those resources that may be affected by the proposed project.</i>		
A. Provide the standard resource identification information, location map, wetland determination or delineation reports; watercourse reports; identification and qualifications of preparers; location map, and answer the related questions.		<input checked="" type="checkbox"/> Enclosures A,B,C, D, E
Is the site located within or adjacent to any of the following; or within 100 feet of items vii or viii?		
i. National, state or local park, forest or recreation area		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. National natural landmark		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. National wildlife refuge, or Federal, state, local or private wildlife or plant sanctuaries		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iv. State Game Lands		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
v. Areas identified as prime farmland		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Enclosure D
vi. Source for a public water supply		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
vii. A National Wild or Scenic River or the Commonwealth's Scenic Rivers System		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
viii. Designated Federal wilderness area		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
B. Identify all aquatic resources present on the project site and provide an identifier, the resource type; size of the resource(s); fishery designations, Ch. 93 uses and special protection status; and Exceptional Value (EV) wetland analysis.		<input checked="" type="checkbox"/> Enclosures F, A, and C
C. Provide the following information related to habitat for Federal threatened and endangered (T&E) plant and animal species or State T&E species or species of special concern - copies of search forms or search receipts; identification of avoidance and minimization efforts taken to resolve identified conflicts.		<input checked="" type="checkbox"/> Enclosures A and B
Did the PNDI search or agency coordination identify any potential conflicts?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If the above is answered YES ; answer the following two questions related to PNDI Coordination:		
a. Is the applicant utilizing a sequential review of the PNDI coordination?		<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the applicant utilizing a concurrent review of the PNDI coordination?		<input type="checkbox"/> Yes <input type="checkbox"/> No
D. Characterize the aquatic resources: riverine, wetland and lacustrine present on the project site that are proposed to be directly or indirectly affected by the project. Including but not limited to the following, resource classification information, Level 2 rapid condition assessment results, discussion of resource functions, characterization of riparian properties and any other relevant information or studies conducted.		<input checked="" type="checkbox"/> Enclosure A and B
Module S3: Identification and Description of Potential Project Impacts		
<i>This module is intended to organize and present information concerning the potential impacts or effects of the proposed project in this application. Impacts related to the "over all" project that are proposed under related but separate application(s) should be addressed as part of the CEA Policy response under S1.A.</i>		
A. Provide a summary table of the proposed temporary and permanent direct and indirect impacts for <u>each</u> effected resource category (e.g. riverine, wetlands and lacustrine resources).		<input checked="" type="checkbox"/> Enclosures A, B, G, H, and M



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

<p>B. If any questions from S2.A Standard Information Response questions were answered YES, discuss in detail any potential impacts to those resource(s).</p>	<input checked="" type="checkbox"/>	<p>Enclosure A</p>
<p><i>IMPORTANT NOTE: If either item vii or viii from S2.A is answered YES, the project is not eligible as a "Small Project Application" type. Complete all applicable sections of the EA form for the standard application type unless an item was otherwise waived by the Department in writing (see previous Note on waiving of information requirements).</i></p>		

	Item Included	Location
C. Provide a table(s) of all proposed water obstruction(s), encroachment activities and dams (e.g. subfacility codes) and provide an identifier, the subfacility code and description, resource identifier from S2.B , latitude and longitude, the proposed temporary and permanent direct and indirect impacts and subfacility details.	<input checked="" type="checkbox"/>	Enclosures A, N,H, and M
D. Provide a discussion of how the proposed subfacility(ies) individually and in combination directly and/or indirectly impact the identified resource(s) and the effects on the applicable resource functions: hydrologic, biogeochemical, habitat, recreation, any other environmental impacts and the effects on the property or riparian rights of owners upstream, downstream or adjacent to the project.	<input checked="" type="checkbox"/>	Enclosure A
E. Antidegradation Analysis - The applicant should demonstrate consistency with State antidegradation requirements as described in the Water Quality Antidegradation Implementation Guidance Policy Document Number 391-0300-002. Project application information provided below in S3.F, G and H may be cross-referenced.	<input type="checkbox"/>	
F. Alternatives Analysis - The scope and extent of this analysis should be commensurate with the size and scope of the proposed project impacts <i>in this</i> application, information provided in S4.A below, related to avoidance and minimization efforts, may be cross-referenced.	<input checked="" type="checkbox"/>	Enclosures A and B
G. Potential Secondary Impact Evaluation - Identify and describe environmental impacts on adjacent land and water resources associated with but not that direct result of the project.	<input checked="" type="checkbox"/>	Enclosure A
H. Identify and evaluate the potential cumulative environmental impacts of this project and other potential or existing projects like it, and the impacts that may result through numerous piecemeal changes to the wetland resource.	<input checked="" type="checkbox"/>	Enclosure A

Module S4: Mitigation Plan

*This module is intended to organize and present information concerning actions undertaken in accordance with the definition of **Mitigation** in Title 25 Pa. Code Chapter 105 - §105.1, 105.16, 105.18a(a)(3), 105.18a(b)(7), 105.20a, and 105.21 as related to the potential impacts or effects of the proposed project **in this** application.*

A. Identify and discuss any measures taken that resulted in avoiding or minimizing unavoidable resource impacts, provide detailed responses for individual proposed impact area(s) and the project as a whole.	<input checked="" type="checkbox"/>	Enclosures A, C, H
B. Identify and discuss any repair, rehabilitation or restorative actions taken to rectify an impacted resource, provide detailed responses for individual proposed impact area(s) and the project as a whole. Identify and discuss any proposed preservation and maintenance operations that will be taken to reduce or eliminate an impact during the life of the project.	<input checked="" type="checkbox"/>	Enclosures A, C, H
C. Provide the results from application of the Pennsylvania Function-Based Aquatic Resource Compensation Protocol. Identify and discuss any actions undertaken to provide compensatory mitigation, a detailed discussion of the proposed compensation actions and how they will offset the lost resource functions, include a comparison of the results from Section 6.0 of the Pennsylvania Function-Based Aquatic Resource Compensation Protocol with the results from Section 5.0. When applicable provide detailed plans including performance standards and success criteria.	<input type="checkbox"/>	
Answer the following question. If the answer to the question is YES , provide the information regarding the mitigation credit provider; otherwise provide a detailed mitigation plan. If the application proposes to utilize both mitigation bank or in lieu fee credits and conduct permittee responsible mitigation; both the credit provider and mitigation plan information shall be submitted.	<input type="checkbox"/>	

Does the applicant propose to utilize an approved mitigation bank or PA's in lieu fee program to provide all or a portion of the compensation? Yes No

D. When applicable, provide a plan to monitor the identified actions proposed in S4.B and/or S4.C compensatory mitigation area. Applicants should utilize the Department's Design Criteria and the USACE's RGL 08-03 -(http://www.usace.army.mil/Portals/2/docs/civilworks/RGLS/rgl08_03.pdf) to develop monitoring plans for compensatory mitigation proposals. The plan should include performance standards/success criteria, duration and timeframes of monitoring, monitoring report template, and template remedial action or adaptive management plan.	<input checked="" type="checkbox"/>	Enclosures A and I
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Note: All or portions of this Module likely apply to "Small Project" type applications and waiver of this section should be discussed during any pre-application meetings or prior to application submittal.

CERTIFICATION

I certify that the above statements, attachments including those labeled and identified as Enclosures, and all conclusions are true, correct, and based upon current environmental principles and science, to the best of my knowledge and belief.

Signature	Date	

Activity/Impact

Maintenance and repairs to the North Bridge over the Susquehanna River will occur from the existing deck and piers. In addition, a debris containment system is installed to ensure no construction debris enters the Susquehanna River. An erosion and sediment control plan is in place for bridge maintenance activities. There is no disturbance within the waterway or the ground below the bridge. The work is conducted during low-stream flows and in compliance with PA DEP Permit No. GP-11-22-12-116 permit conditions. There are no anticipated permanent impacts to the stream or floodway. All material storage shall occur outside of the floodway. No impacts to wetlands are expected. (Enclosure H) There are no anticipated permanent, temporary, indirect, or direct impacts associated with this work.

Subfaciliy Type	BRDG		Bridge		
ID	BR1		North Bridge maintenance		
County	Dauphin		Municipality	Londonderry Township	
Latitude Degrees	40	Latitude Minutes	9	Latitude Seconds	41.9524
Longitude Degrees	76	Longitude Minutes	43	Longitude Seconds	12.6862
Design Flood Event				Design Flood Flow	
Hydrologic Method			Design Flood Event		
Hydraulic Method			Drainage Area		
Replacement of Existing Structure?	No				
Foot Print Width		Foot Print Length		Total Impact Length	
Structure Type	MS	Multiple Span	No. Waterway Openings		17
WOB Material	STBM	Steel Beam	Waterway Openings Diameter; or		
Appurtenant Structure			Waterway Openings Height; and		
Appurtenant Structure			Waterway Openings Width		

Activity/Impact

Maintenance dredging is planned in the CCEC intake structure in the summer of 2026 in accordance with PA DEP Permit No. 2275724 (Enclosure N, Dredging Permit). Dredged material is permitted to be placed off the east side of Three Mile Island in the same area where it was placed prior to the shutdown. (Enclosure A, CCEC ER Section 4.2.2.2) Suction dredging will be performed by underwater divers and has minimal impact on the river outside of the intake structure. (Enclosure N, PA DEP Maintenance Dredging Permit)

Impacts to aquatic organisms during planned dredging activities are anticipated to be mitigated by complying with permit requirements. (Enclosure A, CCEC ER Section 5.0)

There are no anticipated indirect or direct impacts to the Susquehanna River because dredging activities are planned in the intake screen structure and dredged material will be placed on the east side of Three Mile Island (Enclosure N). If the need to dredge the emergency canal within the Susquehanna River is identified, then a USACE permit will be pursued prior to dredging (Enclosure A).

Subfacility Type	DRG		Dredging		
ID	DRG1				
County	Dauphin			Municipality	Londonerry Township
Latitude Degrees		Latitude Minutes		Latitude Seconds	
Longitude Degrees		Longitude Minutes		Longitude Seconds	
Maintenance Dredging Depth	N/A	Length	N/A	Width	N/A
River Mile From	River Mile To		Right Side	N/A	
N/A	N/A		Left Side	N/A	
Offset Restriction	N/A	N/A	Buffer Width	N/A	

AmerGen

A PECO Energy/British Energy Company

AmerGen Energy Company, LLC
Three Mile Island Unit 1

Route 441 South, P.O. Box 480
Middletown, PA 17057
Phone: 717-944-7621

March 22, 2000
5938-2000-036

Mr. Dennis Stum
Water Management Program
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

Dear Mr. Stum:

SUBJECT: APPLICATION FOR TRANSFER OF PERMIT
CHANGE OF FACILITY OWNERSHIP NOTIFICATION
DREDGING PERMIT NO. 2275724
THREE MILE ISLAND NUCLEAR STATION (TMINS)

RECEIVED
MAR 27 2000

Roll 7
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Please find attached four executed copies of the Department's Application for Transfer of Permit form. The completed forms transfer Permit No. 2275724 from GPU Nuclear, Inc. (GPUN) to AmerGen Energy Company, LLC (AmerGen). The transfer of compliance responsibilities for the dredging permit was effective December 20, 1999. The effective date corresponds to the date of financial closing for the purchase of TMI Unit-1 and the TMI Unit-1 support facilities by AmerGen from GPUN.

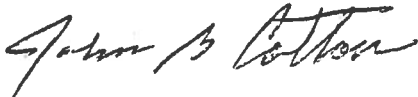
As background information, Permit No. 2275724 was issued to Metropolitan Edison Company on January 13, 1976, by the Department's Division of Dams and Encroachments. Because the subject permit covered routine maintenance of the station's screen intake structures, GPUN requested an extension of the permit in April 1982. The Department issued an indefinite extension to the permit by letter dated May 21, 1982 (see attached copy of Permit No. 2275724 and the Department's extension letter). A condition of the permit stated that the permit authorization by the Department was contingent upon the approval and permitting by the U.S. Army Corps of Engineers (ACOE). The ACOE permit remains in effect for this project and is effective until December 31, 2005. The ACOE Baltimore District Office was provided notification of the facility ownership change and by letter dated January 24, 2000, authorized the transfer of the ACOE permit to AmerGen. The current ACOE dredging authorization is referenced as CENAB-OP-RR (AmerGen Energy Company, LLC)197500083-4 (see attached copy of ACOE permit transfer authorization and support documentation).

AmerGen will comply with the Department's rules and regulations for dredging activities covered under the referenced dredging permit. However, please be advised that there are several changes to the station operations that should be reflected in the Department's files. First, the TMI Unit-2 Screen Intake Structure has not been operational for many years and there is no routine maintenance dredging of the structure. AmerGen's responsibilities under this permit are limited to dredging at the TMI Unit-1 Screen Intake Structure only. Secondly, the silt that is hydraulically removed from the TMI Unit-1 Screen Intake Structure is pumped only to the onsite settling basin identified as the "Suction Dredge Disposal Basin" (see Figures Nos. 1 and 3 of the attached extension letter). The basin labeled as "Mechanical Dredge Disposal Basin" on the figures is not used for the disposal of any dredge spoils. This basin is part of the station Yard Drainage System and cannot be used for spoils disposition. If mechanical dredging of the area outside of the TMI Unit-1 Intake Structure were required, either the "Suction Dredge Disposal Basin" or an alternate upland location would be used for disposal of the dredge material. Discharges from overflow of the "Suction Dredge Disposal Basin" are covered under the station's NPDES permit, and dewatered silt removed from the disposal basin is dispositioned in accordance with the Department's Waste Management Program requirements.

Finally, the routine maintenance dredging operations for the TMI Unit-1 Screen Intake Structure occur inside the structure and directly in front of the Screen Intake Structure. The suction dredging is performed by underwater divers and has minimal impact on the river outside of the Intake Structure. Similar to past practices under GPUN, AmerGen understands that routine turbidity monitoring is not required for these maintenance activities (see Permit No. 2275724, Conditions for Stream Operations, Item C.). For routine maintenance dredging under the PADEP permit and the ACOE permit, AmerGen will continue to provide advance notice of planned routine maintenance activities as in the past.

Should the Department have questions concerning the completed Application for Transfer of Permit forms or require additional information please contact Scott R. Cogley, Consultant, Environmental Affairs, at (717) 948-8881.

Sincerely,



John B. Cotton
Vice President, TMI Unit-1

SRC

Attachments

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

PERMIT

The Department of Environmental Resources, established by the Act of December 3, 1970 (71 P.S. 51 et.seq.), and transferring the functions of the Water and Power Resources Board which, by virtue of Section 1808 of "The Administrative Code," was empowered to exercise certain powers and perform certain duties by law vested in and imposed upon the Water Supply Commission of Pennsylvania, under and by virtue of said Administrative Code and of an act of the General Assembly of the Commonwealth of Pennsylvania, entitled "An act providing for the regulation of dams, or other structures or obstructions, as defined herein, in, along, across, or projecting into all streams and bodies of water wholly or partly within, or forming part of the boundary of, this Commonwealth; vesting certain powers and duties in the Water Supply Commission of Pennsylvania, for this purpose; and providing penalties for the violation of the provisions hereof," approved the twenty-fifth day of June, one thousand nine hundred and thirteen, as amended, hereby issues this permit to:

METROPOLITAN EDISON COMPANY

giving its consent to:

perform maintenance dredging in the existing intake structures and intake channel system
of Three Mile Island Nuclear Station at a point along west shore of Three Mile Island in
Londonderry Township, Dauphin County.

This permit is issued in response to an application filed with the Department of Environmental Resources on the 3rd day of October A.D. 1975, and with the understanding that the work shall be performed in accordance with the maps, plans, profiles, and specifications filed with and made part of the application _____

subject, however, to the provisions of the Act of June 25, 1913, P.L. 555, as amended, and the following conditions, regulations, and restrictions: (YOUR ATTENTION IS DRAWN TO CONDITION NUMBER 11).

1. This permit does not give any property rights, either in real estate or material, nor any exclusive privileges, nor shall it be construed to grant or confer any right, title, easement, or interest, in, to, or over any land belonging to the Commonwealth of Pennsylvania; neither does it authorize any injury to private property nor invasion of private rights, nor any infringement of Federal, State, or local laws or regulation; nor does it obviate the necessity of obtaining Federal assent when necessary;

2. The work shall at all times be subject to supervision and inspection by representatives of the Department, and no changes in the maps, plans, profiles and specifications approved shall be made except with the written consent of the Department. The Department, however, reserves the right to require such changes or modifications in the maps, plans, profiles, and specifications as may be considered necessary. The Department further reserves the right to suspend or revoke this permit if in its opinion the best interest of the Commonwealth will be subserved thereby;

3. All construction debris, excavated material, brush, rocks, and refuse incidental to this work shall be removed entirely from the stream channel and placed either on shore above the influence of flood waters, or at such dumping ground as may be approved by the Department

4. There shall be no unreasonable interference with the free discharge of the river or stream nor with navigation during construction;

5. If future operations by the Commonwealth of Pennsylvania require modification of the structure or work, or if, in the opinion of the Department of Environmental Resources, it shall cause unreasonable obstruction to the free passage of floods or navigation, the permittee shall, upon due notice remove or alter the structural work or obstructions caused thereby, without expense to the Commonwealth of Pennsylvania, so as to increase the flood carrying capacity of the channel or render navigation reasonably free, easy, and unobstructed in such manner as the Department may require; and if, upon the expiration or revocation of this permit, the work shall not be completed, the permittee, at his own expense and to such extent and in such time and manner as the Department may require, shall remove all or any portion of the incompleated work and restore the watercourse to its former condition. No claim shall be made against the Commonwealth of Pennsylvania on account of any such removal or alteration;

6. The permittee shall notify the Department of Environmental Resources when this work is commenced and at least two weeks before the probable time of completion;

7. Within thirty (30) days after the completion of the work authorized in this permit, the permittee shall file with the Department of Environmental Resources, Harrisburg, Pennsylvania, a statement certifying that the work has been performed in accordance with this permit and the approved maps, plans, profiles, and specifications.

8. Performance of the work authorized shall constitute an acceptance of the various conditions contained in the permit; provided that if the permittee fails to file acceptance of the permit in accordance with Condition 11, the permit becomes null and void and the permittee shall remove all works constructed and restore the area in a manner specified by the Department.

9. If this work is not completed on or before the 31st day of December A.D. 19 78, this permit, if not previously revoked or specifically extended, shall cease and be null and void.

10. The permittee shall be required to and shall require his contractor to conform with the following:

1. Reduce by the greatest extent practicable the area and duration of exposure of readily erodible soils;
2. Protect soils by use of temporary vegetation, or seeding and mulching, or by accelerating the establishment of permanent vegetation and completing protected segments of work as rapidly as is consistent with construction schedules;
3. Retard the rate of runoff from the construction site and control disposal thereof;
4. Trap sediment from construction sites in temporary or permanent silt basins to include pump discharges from dewatering operation;
5. Sprinkle or apply dust suppressors to keep dust within tolerable limits on haul roads and at the construction site;
6. Provide temporary bridges or culverts where stream fording is objectionable;
7. Locate borrow areas where pollution from the operation is minimized;
8. Utilize temporary measures to control erosion on construction operations suspended for an appreciable length of time;
9. Provide protection against discharge of pollutants as chemicals, fuel lubricants, sewage etc. into a stream;
10. Locate sanitary facilities away from streams, wells or springs;
11. Conduct operations in such manner to minimize turbidity at and below the construction site so as to meet the turbidity requirements established by the Bureau of Water Quality Management.

11. This permit shall not become effective until and unless the permittee shall file with the Department within thirty (30) days from the date thereof, upon a form furnished by the Department, its written acceptance of the terms and conditions imposed therein. Failure to submit such acceptance will render the permit null and void.

12. The Engineer and the Contractor shall be apprised of all of the provisions and conditions and shall signify their acknowledgement of being so apprised on the form herein attached. Copy of this signed form, together with copy of the permit shall be available for inspection at the project site at all times. Copy of the acknowledgement shall also be forwarded to the office issuing the permit. Failure to have copies of the permit and acknowledgement available for inspection at the project site shall be considered sufficient cause for issuance of a cease and desist order by the authorized Commonwealth personnel.

Conditions for Stream Operations

- A. Throughout the operation you and your operator shall cooperate with the Department of Environmental Resources to protect all water users.
- B. The operation shall be conducted in such a manner so as to protect fish life and other aquatic life. This requires full cooperation with the Pennsylvania Fish Commission.
- C. No objectionable turbidity in the stream shall be created and the results of daily samples shall be reported weekly to the Department's Regional Office. The sampling shall be done when the dredging operation is at or near its peak. Samples are to be at point within 500 feet upstream and at another no greater than 1000 feet downstream of the operation. Objectionable turbidity occurs when there has been an increase greater than 25 units at any place or 10 units at swimming areas. There shall be no increase at water works intakes.
- D. Spoil materials from the water course or on shore operations, including sludge deposits will not be deposited in or immediately adjacent to any water course. They will be deposited on shore in such a manner that sediment runoff and soil erosion are prevented.
- E. Litter, refuse and sanitary waste from vessels or other floating craft will not be dumped or discharged in any water course.
- F. Litter, refuse and sanitary waste from vessels or other floating craft or on-shore operations will be disposed of on shore in an acceptable manner. Oil and petroleum products are considered to be refuse matter. Spillage of these materials are to be prevented by appropriate control and supervision.
- G. Bilges, ballast or waste water pumped from vessels or other floating craft will not be discharged to the water course without prior acceptable removal of oils or toxic compounds.
- H. The dredging operations are to be immediately modified to comply with these conditions.
- I. Approvals or permits required by law, regulation or ordinance of any Federal, State, County and/or local municipality will be obtained prior to start of this operation.
- J. Attention of the permittee is called to Act No. 222, dated July 31, 1970, regarding applicable permits required by the Department of Environmental Resources for operating on streams of the Commonwealth.
- K. Attention of the permittee is called to Act No. 225, dated July 31, 1970, and its provisions which requires the reporting to the Pennsylvania Fish Commission of all material subject to payment of a royalty.

SPECIAL CONDITIONS:

- A. A through K see attached list.
- L. A permit must be secured from the Pennsylvania Fish Commission in Harrisburg, if the use of explosives is required; P.F.C. Waterways Patrolman John E. Stepanski, 548 Schoolhouse Lane, Millersburg, PA 17061 (Phone: 717-692-2293) must be notified when project is started, when explosives are to be used, and when project is completed for final inspection.
- M. James Flesher, Operations Chief, Harrisburg Region, Room 1003, Health and Welfare Building, Harrisburg, PA 17120, is to be advised as to the date when work is to commence.
- N. This permit is contingent upon the approval/permit of the District Engineer, U.S. Corps of Engineers, Baltimore District, and any stipulations thereon are a part of this permit.

Date JAN 13 1976

DEPARTMENT OF ENVIRONMENTAL RESOURCES

By: V.R. Butler

V. R. Butler, Chief
Division of Dams and Encroachments

ATTEST:

A.J. Arnold