



May 30, 2025

Bethany A. Kavulich, P.E.
PA DEP-Waterways & Wetlands Program
Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110-8200

Re: **North Bridge Maintenance Notification for 2025 Bridge Repairs**
PA DEP Permit #GP-11-22-12-116 / USACOE Permit # NAB-2012-2471-P12
Londonderry Township, Dauphin County, PA

Dear Ms. Kavulich:

On behalf of Constellation Energy Generation, LLC (“Constellation”), I am providing the PA DEP notification of proposed repairs to the North Bridge at the Crane Clean Energy Center which are covered under Constellation’s existing PA DEP General Permit GP-11-22-12-116.

Bridge Description

The North bridge is located in Londonderry Township, Dauphin County, PA along the Susquehanna River (WWF, MF) and owned by Constellation. Said bridge is a 17-span, steel, two-girder floor beam stringer system built from 1968 to 1969. The bridge consists of a composite concrete deck with a bituminous wearing surface and concrete piers, abutments, and wingwalls.

Scope of Work/Proposed Project

This proposed project involves the maintenance and repairs to the North Bridge over the Susquehanna River (WWF, MF) in Londonderry Township, Dauphin County, PA. The hydraulic opening of the structure will not be impacted. Repairs include, girder repairs, floorbeam repairs, bearing stiffener repairs, bracing angle repairs, concrete deck repairs and concrete pedestal repairs.

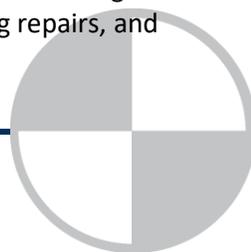
All proposed work will occur from the existing deck and piers. In addition, a debris containment system is to be installed to ensure no construction debris enters the Susquehanna River. No disturbance is proposed within the waterway or ground below the bridge. The proposed work will occur during low stream flows and comply with all DEP permit conditions. A copy of the E&S plans and PNDI receipt are included hereinafter.

Permit History

Water and Power Resources Board Permit issued on October 10, 1967 permitting the construction of a rail and highway bridge having a span of 1500 feet and a minimum clearance of 25 feet across the east channel of the Susquehanna River [Exhibit “A”].

GP-11-22-12-116 (APS 789905) / NAB-2012-2471-P12 issued on September 18, 2012 to maintain the existing bridge piers in accordance with the “2011 Bridge Inspection Engineering Report” Conclusion and Recommendation Sections, prepared by C.S. Davidson, Inc. , dated June 27 and 28, 2011, pages 15-17 [Exhibit “B”].

In September 2018 a permit was sought and applied for involving maintenance and repairs to the North Bridge. The scope of repairs included debris removal at the piers, gusset plate repairs over each pier, lateral bracing repairs, and



cleaning of the drainage system under each expansion joint. [Exhibit "C"]. However, later in 2012, Edward Muzic [previous PA DEP Civil Engineer Manager Hydraulic] confirmed that the proposed maintenance is covered under the existing GP-11-22-12-116 (APS 789905) that was received by DEP on 8/13/12 and acknowledged on 9/18/12 and stated, "An additional General Permit is not necessary for the maintenance you propose" [Exhibit "D"]. Following this confirmation the September 2018 permit application was withdrawn [Exhibit "E"].

If you have questions related to the enclosed information, please contact me (JHA@csdavidson.com) or Raymond Brown of Constellation (Raymond.Brown@constellation.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "John H. Affriol".

John H. Affriol, P.E.

Enclosures

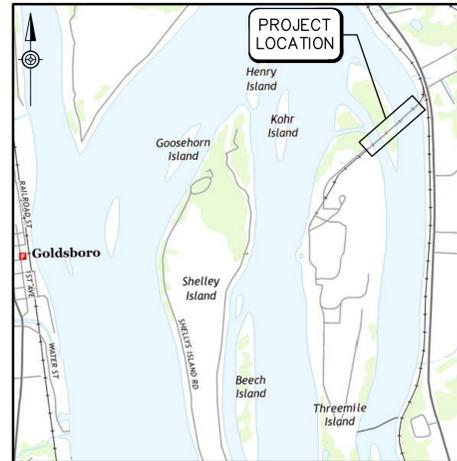
Copy: Raymond Brown, Constellation Nuclear Generation, LLC (email)
Criag Smith, Constellation Nuclear Generation, LLC (email)

EROSION & SEDIMENTATION CONTROL PLAN

CONSTELLATION ENERGY GENERATION, LLC

DRAWINGS FOR EROSION & SEDIMENT CONTROL PLAN OF 2025 NORTH BRIDGE REPAIR

OVER SUSQUEHANNA RIVER
IN DAUPHIN COUNTY, PENNSYLVANIA



LOCATION MAP
SCALE: 1"=2000'

MAY, 2025

ENGINEER'S PROJECT NO. 6871.8.03.00

INDEX OF DRAWINGS	
SHEET NO.	TITLE
1	EROSION & SEDIMENT POLLUTION CONTROL PLAN – COVER SHEET
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6	EROSION & SEDIMENT POLLUTION CONTROL PLAN – GIRDER REPAIR II
7	EROSION & SEDIMENT POLLUTION CONTROL PLAN – FLOORBEAM REPAIR I
8	EROSION & SEDIMENT POLLUTION CONTROL PLAN – FLOORBEAM REPAIR II
9	EROSION & SEDIMENT POLLUTION CONTROL PLAN – BEARING STIFFENER REPAIR
10	EROSION & SEDIMENT POLLUTION CONTROL PLAN – BRACING REPAIR
11	EROSION & SEDIMENT POLLUTION CONTROL PLAN – BRACING REPAIR DETAILS
12	EROSION & SEDIMENT POLLUTION CONTROL PLAN – GUSSET PLATE RETROFIT
13	EROSION & SEDIMENT POLLUTION CONTROL PLAN – DECK REPAIR
14	EROSION & SEDIMENT POLLUTION CONTROL PLAN – CONCRETE PEDESTAL REPAIR

REGISTERED PROFESSIONAL
ENGINEER'S CERTIFICATION

I, John H. Afriol, DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A. SEC. 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 105 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

NOTE:
INFORMATION CONCERNING UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITY OWNERS, AND TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES, PRIOR TO EXCAVATION BY USE OF POWER-OPERATED EQUIPMENT.



PREPARED BY
C.S. DAVIDSON, INC.
CONSULTING CIVIL ENGINEERS
38 NORTH DUKE STREET
YORK, PENNSYLVANIA 17401

REG. PROF. ENGINEER

5.30.2025

DATE

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	DAUPHIN	BRG	BRG	2 OF 14	
MUNICIPALITY					
REVISION NUMBER	REVISIONS			DATE	BY

CONSTRUCTION SEQUENCE

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
 - ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. ANY DEVIATION FROM THE FOLLOWING SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT.
1. AT LEAST 10 DAYS PRIOR TO CONSTRUCTION, NOTIFICATION SHALL BE MADE TO PA FISH AND BOAT COMMISSION BY EMAIL, RA-FBSCR;E@PA.GOV, INCLUDE THE FOLLOWING INFORMATION: COUNTY, MUNICIPALITY, CREEK NAME, PERMIT NUMBER, START DATE, TYPE OF WORK, CONTACT NAME, AND PHONE NUMBER.
 2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER (ENGINEER), AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
 3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
 4. THE OWNER SHOULD FIELD MARK THE LIMITS OF DISTURBANCE FOR ALL WORK PRIOR TO THE START OF CONSTRUCTION.
 5. NO EARTH DISTURBANCE SHALL OCCUR AS RESULT OF PROPOSED REPAIRS.
 6. INSTALL DEBRIS CONTAINMENT MEASURES FOR PROPOSED REPAIRS. DEBRIS SHALL BE PREVENTED FROM ENTERING THE RIVER. IF DEBRIS DOES ENTER THE RIVER, IT SHALL BE REMOVED IMMEDIATELY.
 7. BEGIN REPAIR WORK.
 8. UPON COMPLETION OF ALL REPAIR WORK, REMOVE DEBRIS CONTAINMENT MEASURES.
 9. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
 10. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPS, AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

NOTE:

THE ORDER OF THE ABOVE SCHEDULE IS SUBJECT TO CHANGE DUE TO SPECIFIC SITE CONDITIONS AND CONSTRUCTION METHODS. ANY CHANGES SHOULD BE MADE UNDER THE DIRECT SUPERVISION OF A REPRESENTATIVE OF THE LANCASTER COUNTY CONSERVATION DISTRICT AND/OR PA DEP. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE LANCASTER COUNTY CONSERVATION DISTRICT 72 HOURS PRIOR TO CONSTRUCTION AND 72 HOURS PRIOR TO LEAVING THE SITE.

DAUPHIN COUNTY CONSERVATION DISTRICT
1451 PETERS MOUNTAIN ROAD
DAUPHIN, PA 17018
(717) 921-8100

PA DEP SOUTH CENTRAL REGIONAL OFFICE
909 ELMERTON AVE
HARRISBURG, PA 17110
(717) 705-4700

BALD EAGLE STANDARD AVOIDANCE MEASURES

1. WITHIN 660 FEET (200 METERS) OF THE NEST, PERFORM ALL LOUD AND INTRUSIVE MAINTENANCE AND RESTORATION WORK OUTSIDE THE BREEDING SEASON. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: CONSTRUCTION, EXCAVATION, USE OF HEAVY EQUIPMENT, USE OF LOUD EQUIPMENT OR MACHINERY, VEGETATION CLEARING, EARTH DISTURBANCE, LANDSCAPING, AND HABITAT RESTORATION ACTIVITIES.
2. MAINTAIN EXISTING LANDSCAPE BUFFERS THAT VISUALLY SCREEN THE ACTIVITY FROM THE NEST.
3. DO NOT PERFORM PRESCRIBED BURNING WITHIN 660 FEET (200 METERS) OF THE NEST DURING THE BREEDING SEASON. IF THERE IS NO PRACTICABLE ALTERNATIVE TO SCHEDULING PRESCRIBED BURNING DURING THE BREEDING SEASON, ONLY CONDUCT BURNS WHEN ADULT EAGLES AND YOUNG ARE ABSENT FROM THE NEST TREE (I.E., AT THE BEGINNING OF, OR END OF, THE BREEDING SEASON, EITHER BEFORE THE PARTICULAR NEST IS IN USE OR AFTER THE YOUNG HAVE FLEDGED FROM THAT NEST.
4. WHEN PERFORMING PRESCRIBED BURNING WITHIN THE DRIP LINE OF THE NEST TREE, RAKE LEAVES, VINES, AND WOODY DEBRIS FROM AROUND THE BASE OF THE TREE TO PREVENT FIRE FROM CLIMBING THE TREE. WHEN BURNING WITHIN A PATCH OF FOREST CONTAINING THE NEST TREE, TAKE PRECAUTIONS TO PREVENT CROWN FIRE.
5. FOR ALL MOTORIZED BOAT TRAFFIC WITHIN 330 FEET (100 METERS) OF THE NEST, MINIMIZE TRIPS AND AVOID STOPPING IN THE AREA, PARTICULARLY WHERE EAGLES ARE UNACCUSTOMED TO BOAT TRAFFIC.

STABILIZATION SPECIFICATIONS

1. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED 4 DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
2. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLUMPING, SLIDING, OR OTHER MOVEMENTS.
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATIONS SHOWN ON THE PLAN DRAWINGS IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2 HORIZONTAL:1 VERTICAL OR FLATTER.
4. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
5. TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION. COMPACTED SOILS SHOULD BE SCARIFIED 6 TO 12 INCHES ALONG CONTOUR WHENEVER POSSIBLE PRIOR TO SEEDING.
6. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
7. AN EROSION CONTROL BLANKET WILL BE INSTALLED ON ALL DISTURBED SLOPES 3:1 OR STEEPER, ALL AREAS OF CONCENTRATED FLOWS, AND DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER.
8. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
9. STRAW AND HAY MULCH SHOULD BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL. THIS METHOD IS LIMITED TO SLOPES NO STEEPER THAN 3:1. THE MACHINERY SHOULD BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.)
10. ASPHALT, EITHER EMULSIFIED OR CUT-BACK, CONTAINING NO SOLVENTS OR OTHER DILUTING AGENTS TOXIC TO PLANT OR ANIMAL LIFE, UNIFORMLY APPLIED AT THE RATE OF 31 GALLONS PER 1000 SQ. YD. MAY BE USED TO TACK MULCH.
11. SYNTHETIC BINDERS (CHEMICAL BINDERS) MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.
12. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
13. TRACKING SLOPES IS REQUIRED BY RUNNING TRACKED MACHINERY UP AND DOWN THE SLOPE, LEAVING TREAD MARKS PARALLEL TO THE CONTOUR. (NOTE: IF A BULLDOZER IS USED, THE BLADE SHALL BE UP.) CARE SHOULD BE EXERCISED ON SOILS HAVING A HIGH CLAY CONTENT TO AVOID OVER-COMPACTION.

MAINTENANCE PROGRAM

1. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
2. ALL SEDIMENT REMOVED FROM BMPS WILL BE RETURNED TO UPLAND AREAS ON SITE AND INCORPORATED INTO THE SITE GRADING.
3. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION
4. THE PERMITTEE AND CO-PERMITTEE MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION TO THE WATERS OF THE COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
 - 1.) A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
 - 2.) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION.
5. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

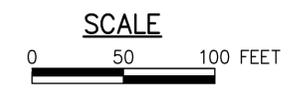
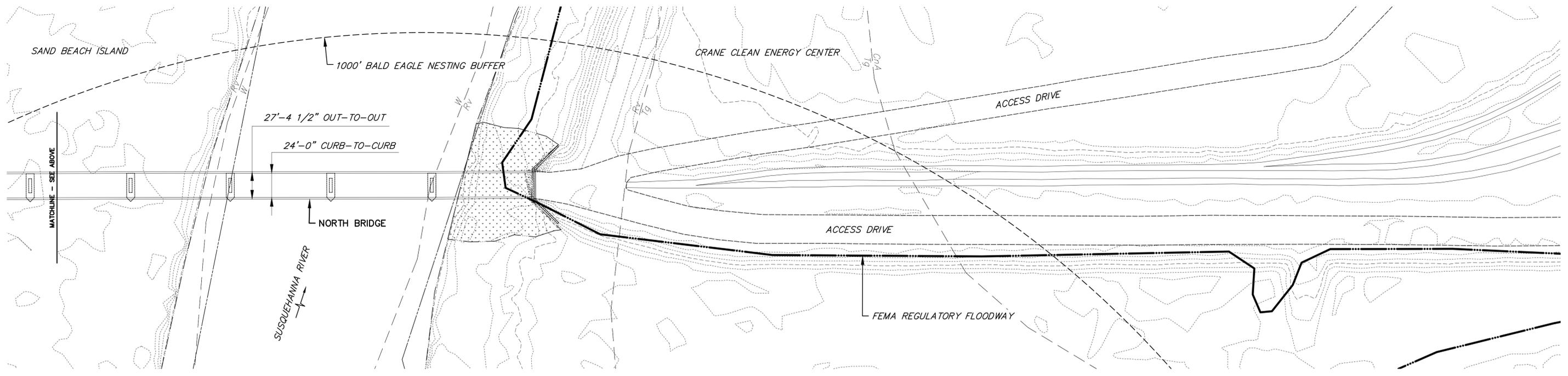
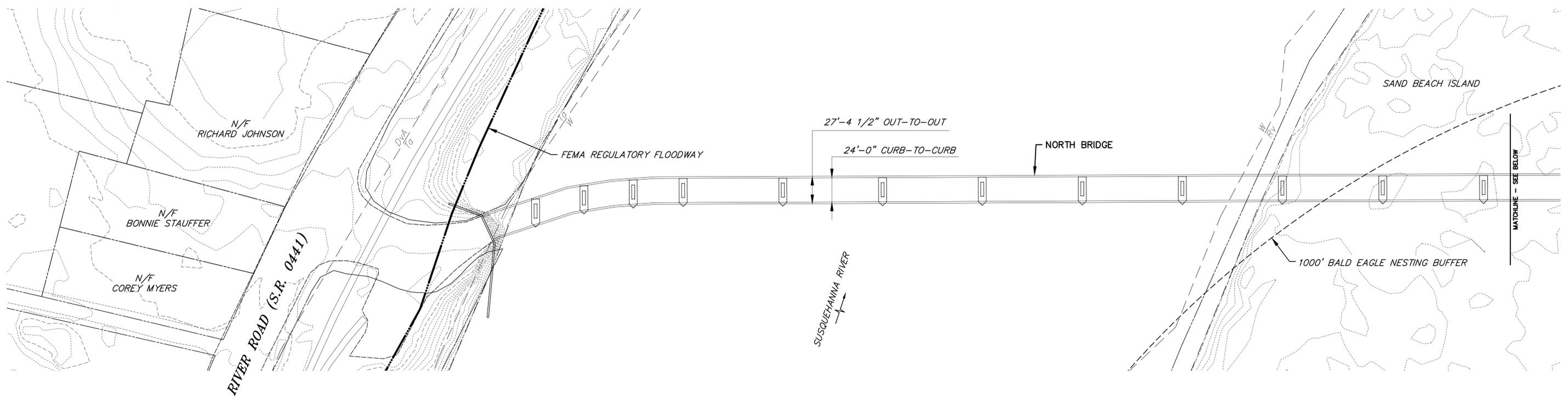
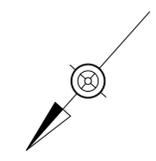
1. NO WETLANDS ARE WITHIN THE PROJECT AREA.
2. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE PA DEP SOUTHCENTRAL REGIONAL OFFICE SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE DISTRICT MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
3. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
4. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAM LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
5. ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIAL SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE THE SITES RECEIVING THE EXCESS HAS AN APPROVED AND FULLY IMPLEMENTED EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE OR FEDERAL REGULATIONS.
7. CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)
8. ANY PLACEMENT OF CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.
9. ENVIRONMENTAL DUE DILIGENCE MUST BE PERFORMED TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF CLEAN FILL."
10. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.

SOIL LIMITATIONS AND RESOLUTIONS

1. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
2. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
3. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
4. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
5. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
6. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
7. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

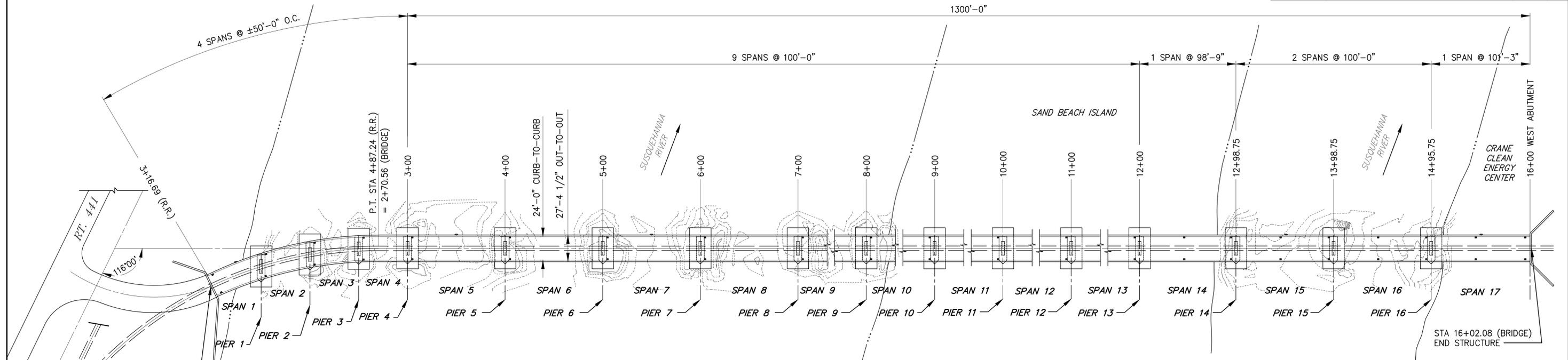


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-0	DAUPHIN	BRG	BRG	3 OF 14
MUNICIPALITY				
REVISION NUMBER	REVISIONS			DATE

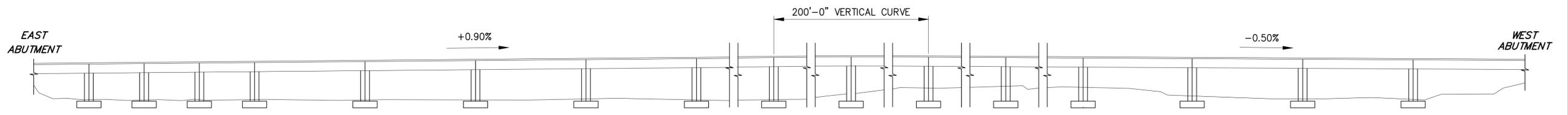


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	DAUPHIN	BRG	BRG	4 OF 14	
MUNICIPALITY					
REVISION NUMBER	REVISIONS			DATE	BY



SITE PLAN



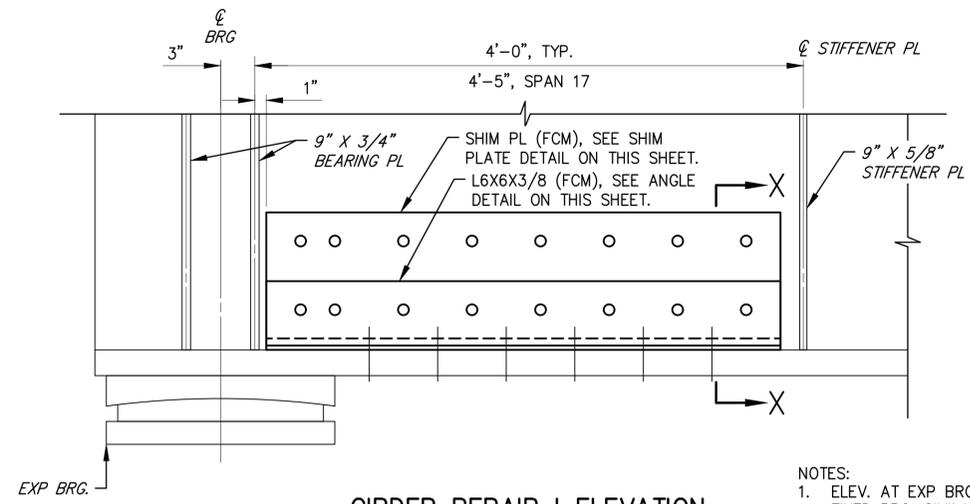
ELEVATION



NOTES:

1. WORK SHOULD OCCUR DURING LOW STREAM FLOWS AND COMPLY WITH ALL DEP PERMIT CONDITIONS.
2. ANY AND ALL MATERIAL STORAGE SHALL OCCUR OUTSIDE OF THE FLOODWAY.
3. THERE ARE NO PERMANENT IMPACTS TO THE STREAM OR FLOODWAY ANTICIPATED. THE HYDRAULIC OPENING SHALL MATCH THE EXISTING.
4. PROVIDE DEBRIS CONTAINMENT MEASURES DURING REPAIRS.
5. PROJECT LOCATION IS ON PROPERTY OF CONSTELLATION ENERGY GENERATION, LLC.
6. A BALD EAGLE NEST IS LOCATED WITHIN 1000 FEET OF THE PROJECT LOCATION. ANY ACTIVITY WITHIN 660 FEET OF THE NEST SHALL NOT OCCUR BETWEEN JANUARY 1 AND JULY 31 (BREEDING SEASON). THERE ARE NO PROPOSED ACTIVITIES THAT WILL OCCUR WITHIN 660 FEET OF THE NEST

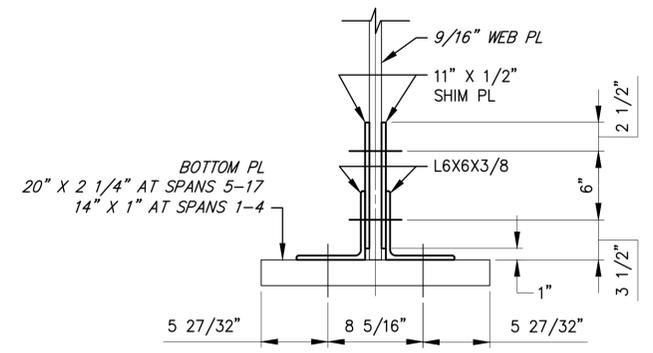




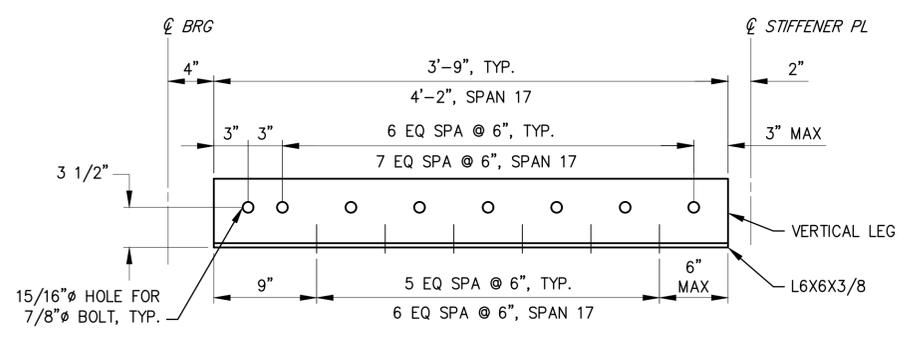
GIRDER REPAIR I ELEVATION



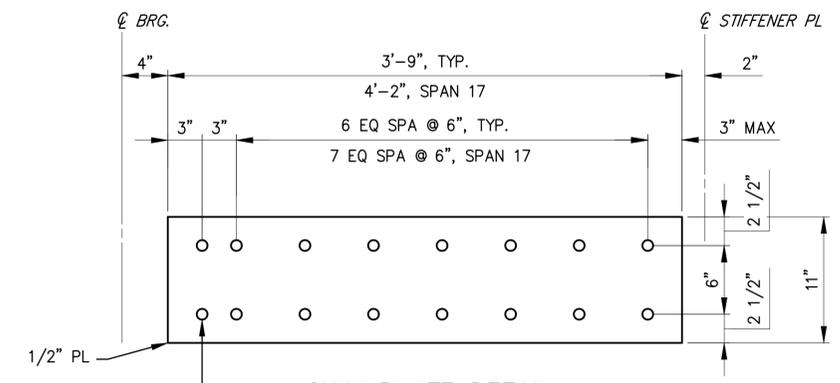
- NOTES:
- ELEV. AT EXP BRG. SHOWN. ELEV. AT FIXED BRG. SIMILAR.
 - REPAIR DETAIL IN SPANS 5 THRU 17 IS SHOWN. REPAIR DETAIL IN SPANS 1 THRU 4 SIMILAR.



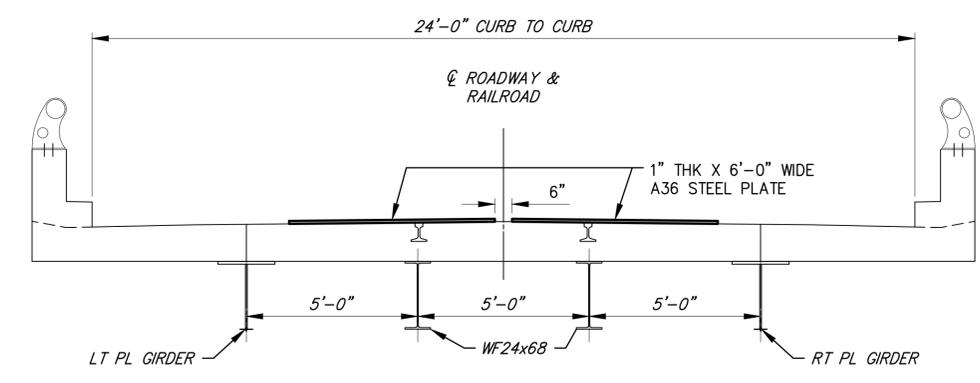
SECTION X-X



ANGLE DETAIL



SHIM PLATE DETAIL



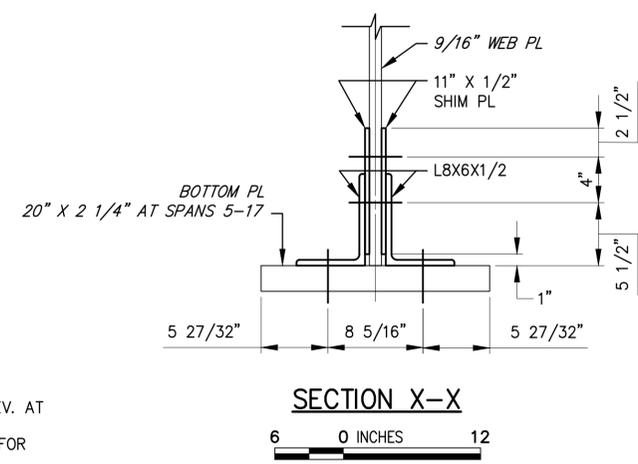
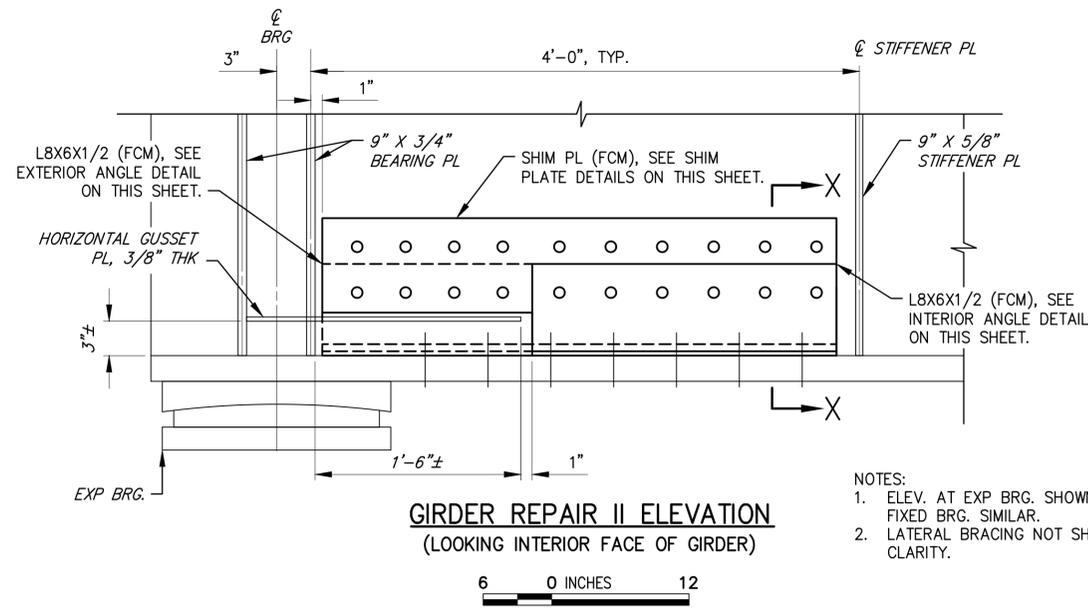
PLATED DECK TO TRANSPORT TRANSFORMER ON SPMT

NOT TO SCALE
ITEM 9050-0010

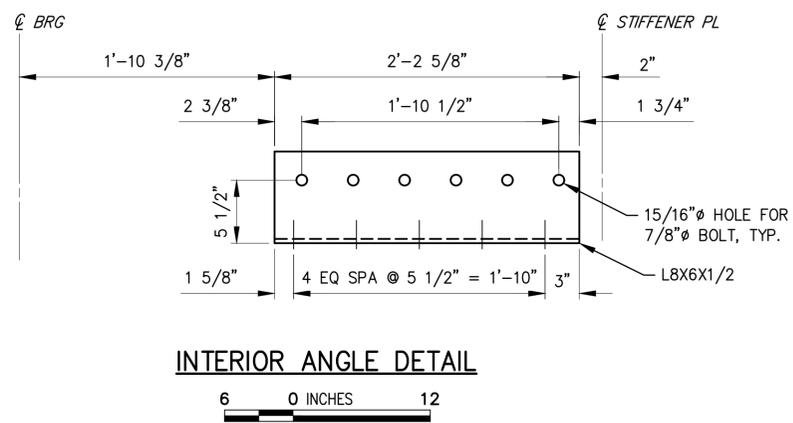
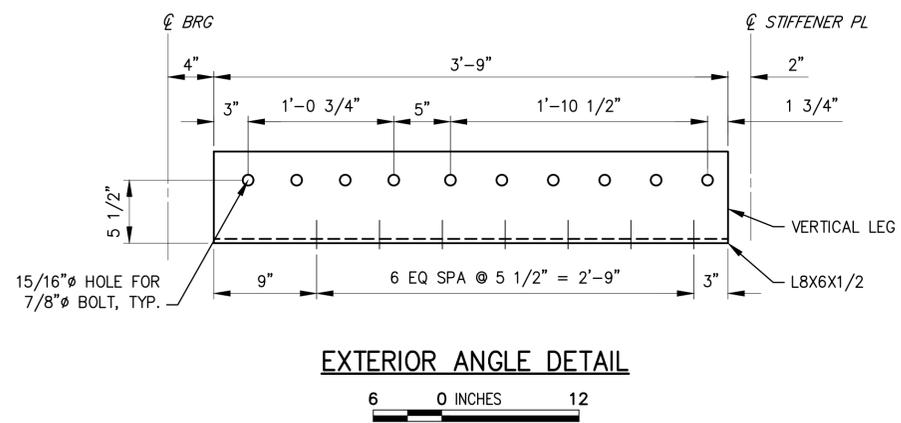
- NOTE:
- LIMIT THE SPMT TRAVEL TO THE PLATE AREA.

- NOTES:
- PLR (PERMIT LOAD REPAIRS)
TDR (TRANSFORMER DELIVERY REPAIRS)

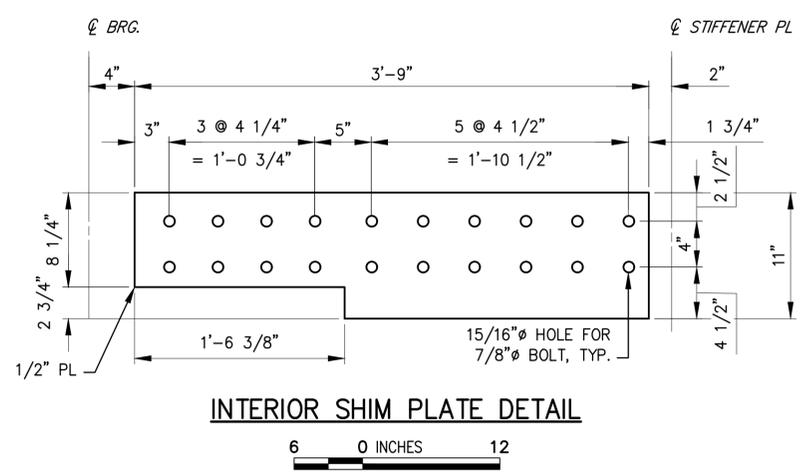
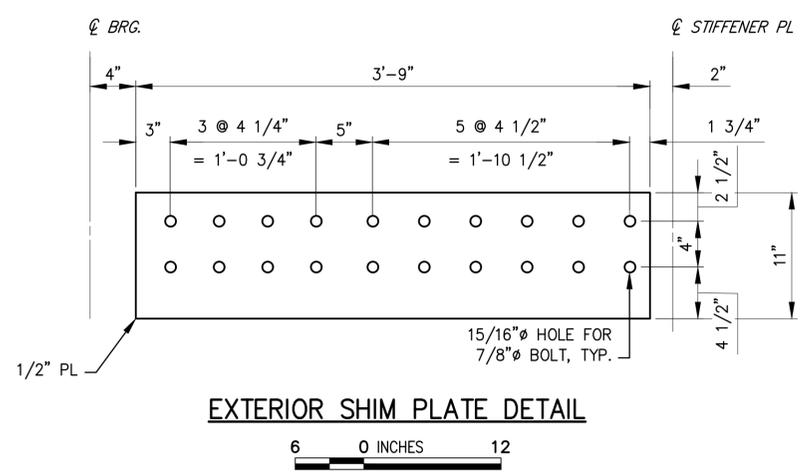


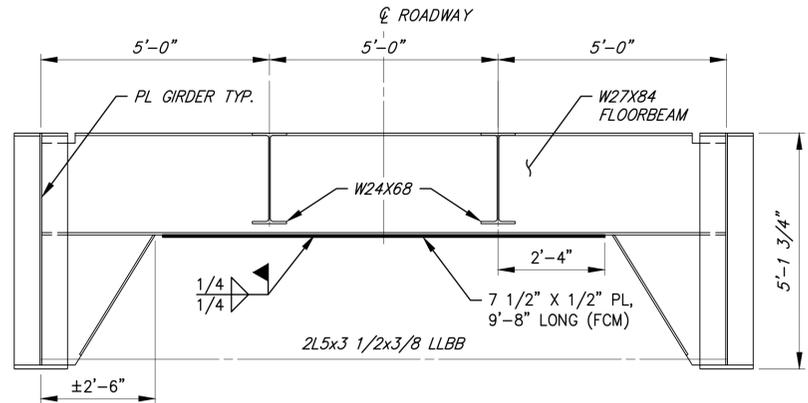


NOTES:
 1. ELEV. AT EXP BRG. SHOWN. ELEV. AT FIXED BRG. SIMILAR.
 2. LATERAL BRACING NOT SHOWN FOR CLARITY.



NOTES:
 PLR (PERMIT LOAD REPAIRS)
 TDR (TRANSFORMER DELIVERY REPAIRS)

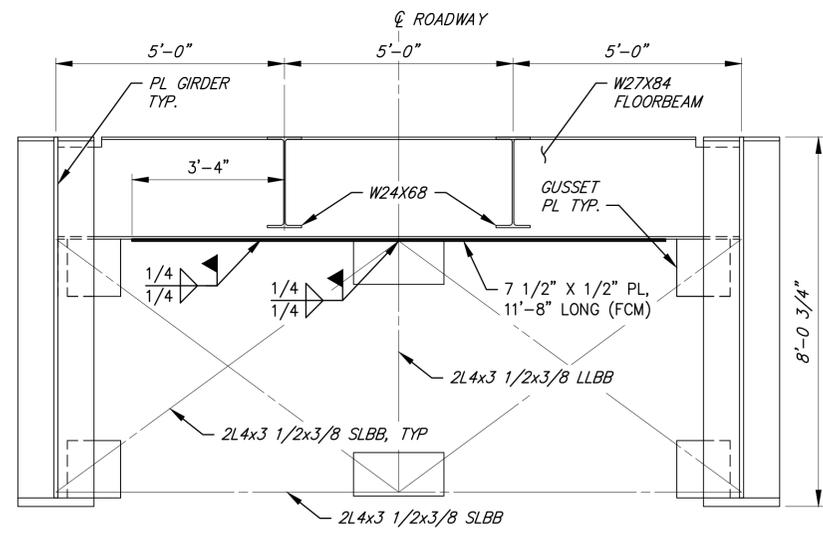




**FLOORBEAM REPAIR 1
SPANS 1 THRU 4**



NOTE:
CONCRETE DECK, FLOORBEAM
OVERHANG, CROSS BRACING, PIER
AND ABUTMENT ARE NOT SHOWN
FOR CLARITY.

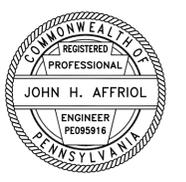


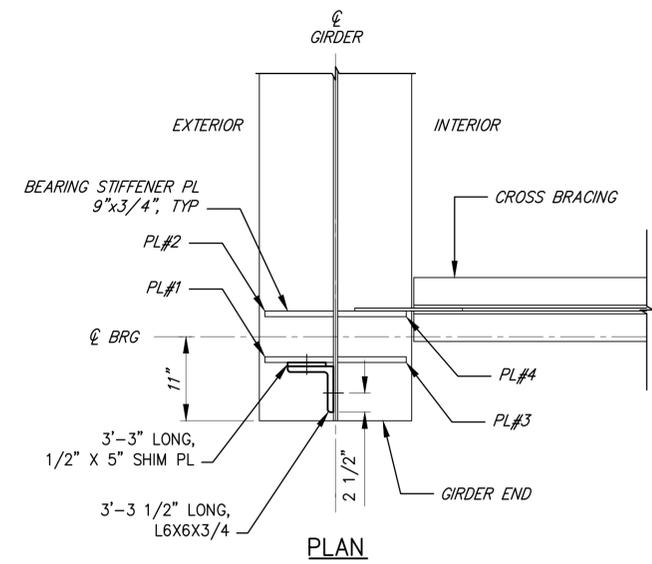
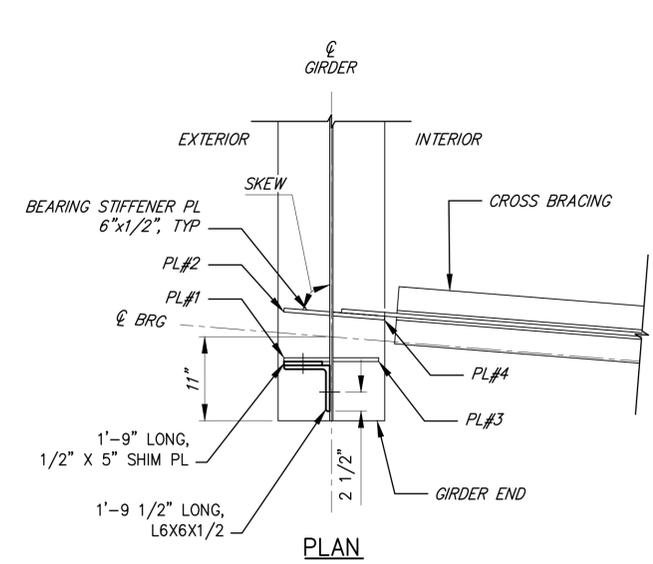
**FLOORBEAM REPAIR 1
SPANS 5 THRU 17**



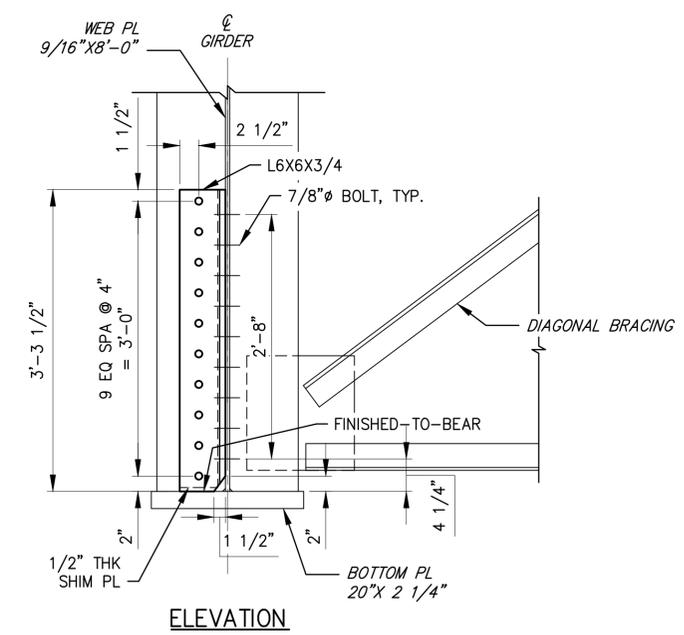
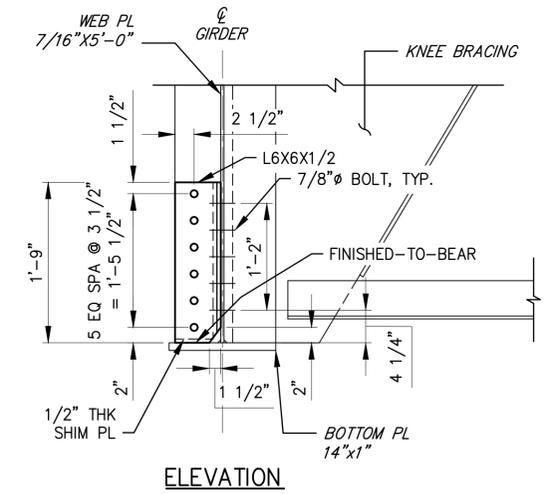
NOTE:
CONCRETE DECK, FLOORBEAM
OVERHANG, CROSS BRACING, PIER
AND ABUTMENT ARE NOT SHOWN
FOR CLARITY.

NOTES:
PLR (PERMIT LOAD REPAIRS)
TDR (TRANSFORMER DELIVERY REPAIRS)





NOTES:
 1. THE REPAIR SHOWN AT PL#1.
 REPAIR AT PL#2 OR PL#3 SIMILAR.
 2. FOR PL#2 AT SKEW, REPLACE
 L6X6X1/2 WITH THE BENT PLATE
 OF THE SAME SIZE.



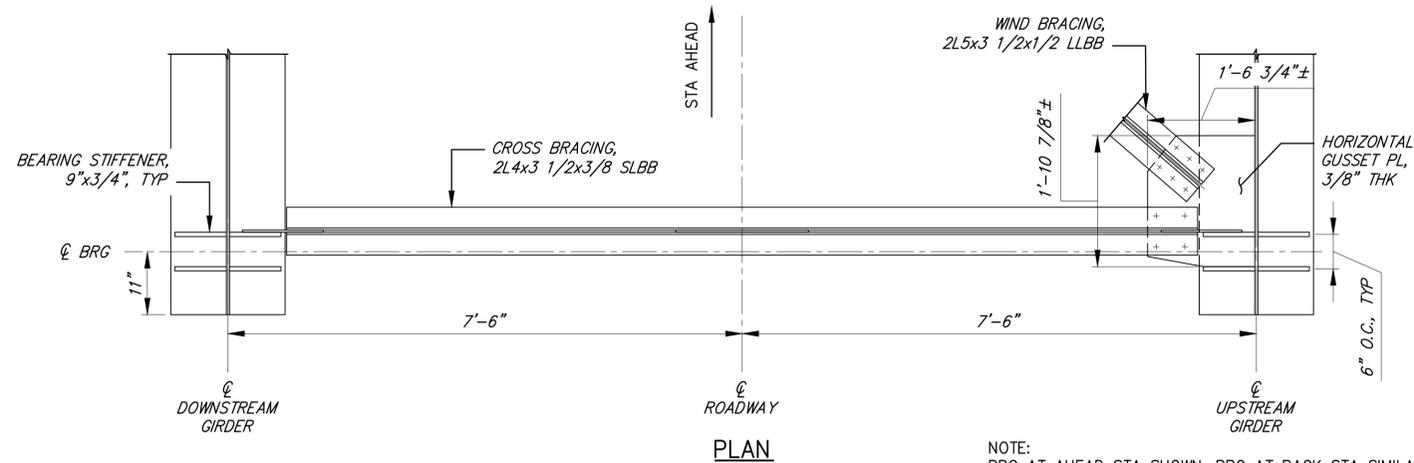
NOTES:
 PLR (PERMIT LOAD REPAIRS)
 TDR (TRANSFORMER DELIVERY REPAIRS)

BEARING STIFFENER REPAIR I
SPANS 1 THRU 4

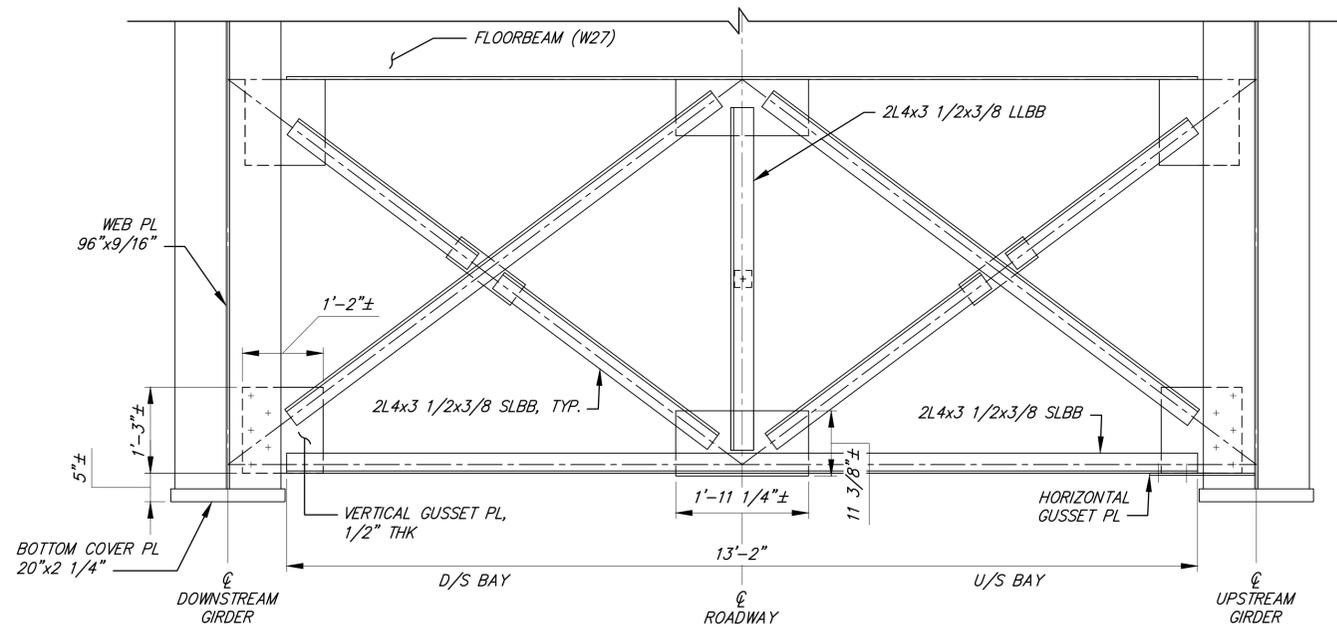


BEARING STIFFENER REPAIR II
SPANS 5 THRU 17





NOTE:
BRG AT AHEAD STA SHOWN. BRG AT BACK STA SIMILAR.
VERTICAL BRACING NOT SHOWN FOR CLARITY.



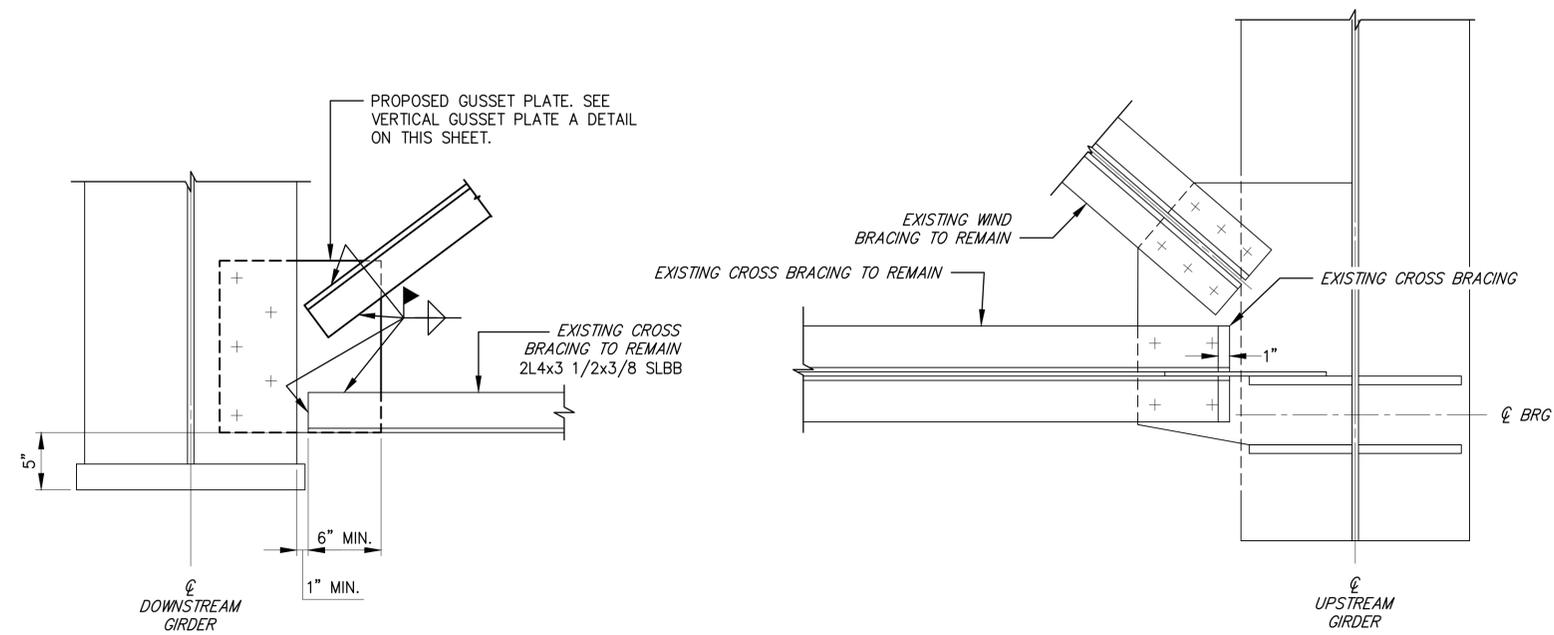
NOTE:
WIND BRACING NOT SHOWN
FOR CLARITY.

ELEVATION
EXISTING BRACING DETAILS
SPANS 5 THRU 17



NOTES:
PLR (PERMIT LOAD REPAIRS)
TDR (TRANSFORMER DELIVERY REPAIRS)

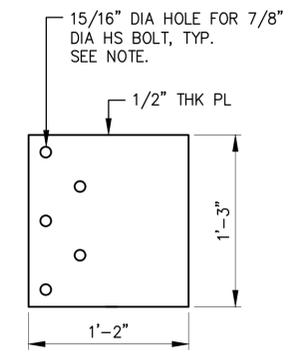




**CONN. DETAIL AT DOWNSTREAM GIRDER
ELEVATION**

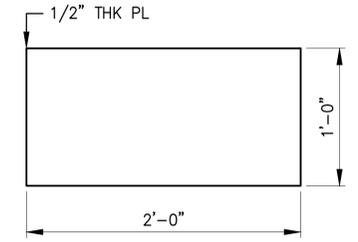


**CONN. DETAIL AT UPSTREAM GIRDER
PLAN**



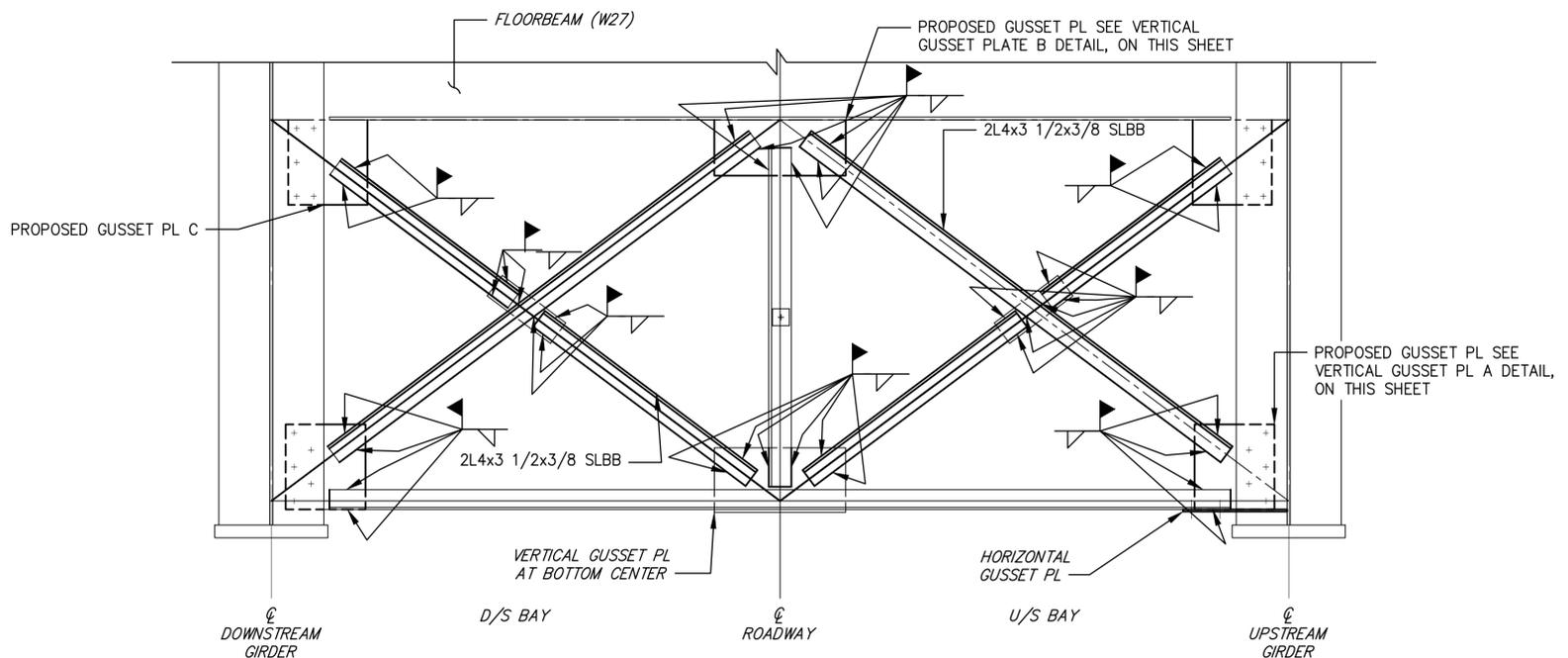
- NOTES:**
1. BOTTOM GUSSET PLATE SHOWN. TOP GUSSET PLATE SIMILAR.
 2. FIELD DRILL OR REAM ALL BOLT HOLES FOR CONNECTION OF PROPOSED VERTICAL GUSSET PLATE A TO EXISTING STRUCTURE.
 3. PLATE A AND PLATE C ARE SIMILAR

**VERTICAL GUSSET
PLATE A DETAIL**



NOTE:
BOTTOM GUSSET PLATE SHOWN. TOP GUSSET PLATE SIMILAR.

**VERTICAL GUSSET
PLATE B DETAIL**

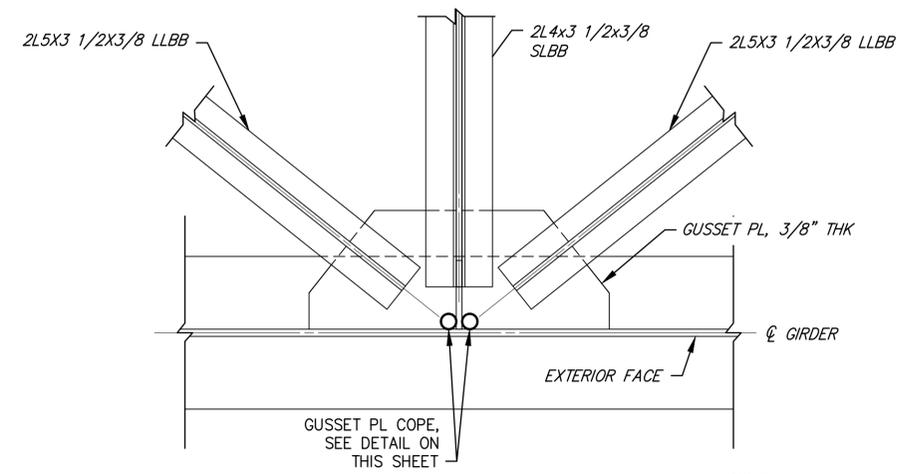


**CROSS FRAME ELEVATION
SPANS 5 THRU 17**



- NOTES:**
- PLR (PERMIT LOAD REPAIRS)
 - TDR (TRANSFORMER DELIVERY REPAIRS)

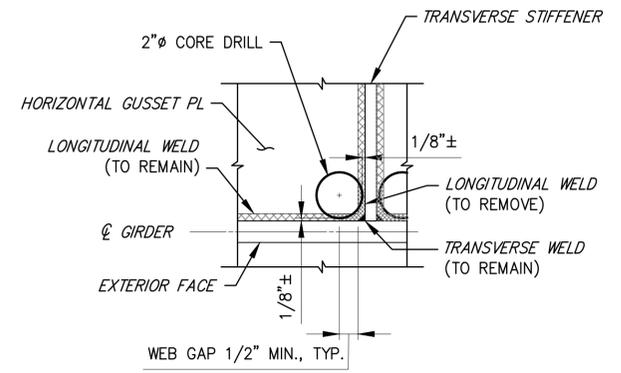




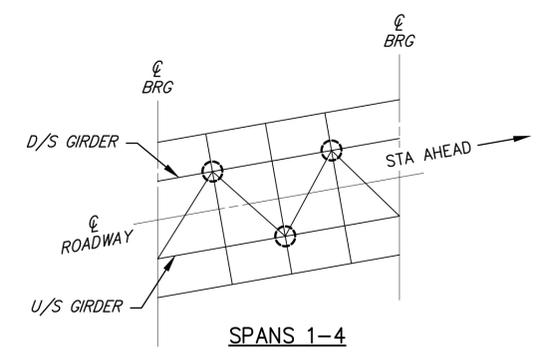
GUSSET PLATE RETROFIT



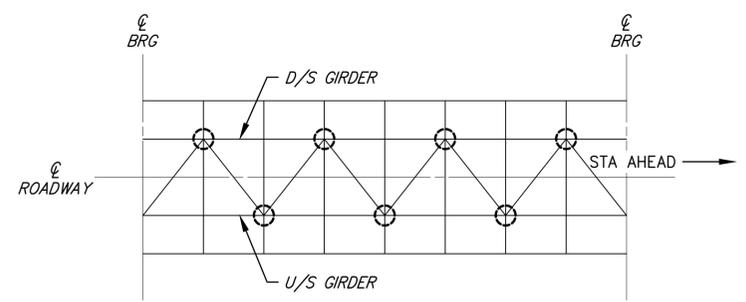
NOTE:
LATERAL BRACING IN SPANS 5-17 SHOWN.
LATERAL BRACING IN SPANS 1-4 SIMILAR.



GUSSET PL COPE DETAIL



SPANS 1-4



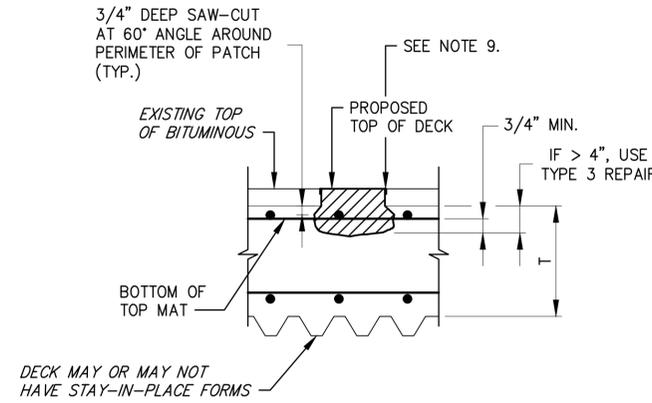
SPANS 5-17

GUSSET PLATE RETROFIT LOCATION

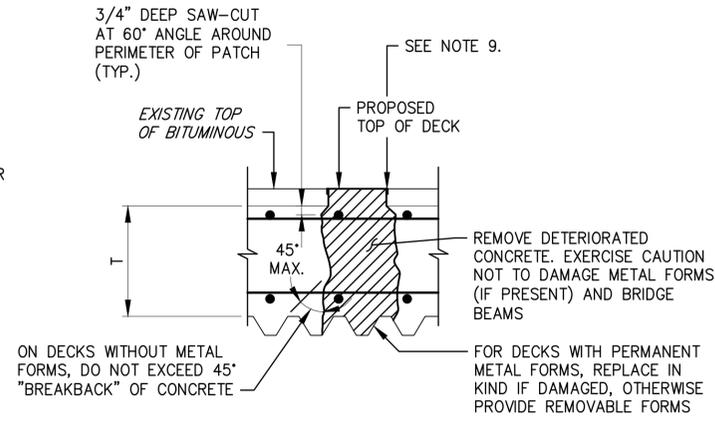
NOT TO SCALE

NOTES:
PLR (PERMIT LOAD REPAIRS)
TDR (TRANSFORMER DELIVERY REPAIRS)

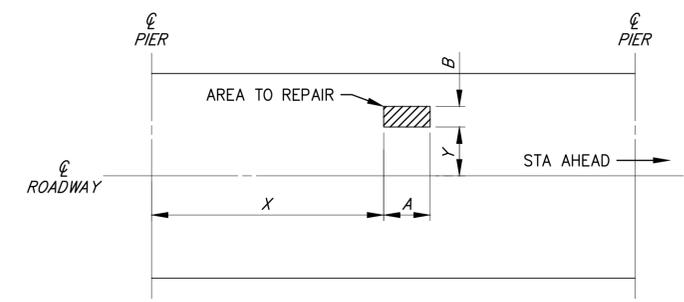




DECK REPAIR TYPE 2
NOT TO SCALE



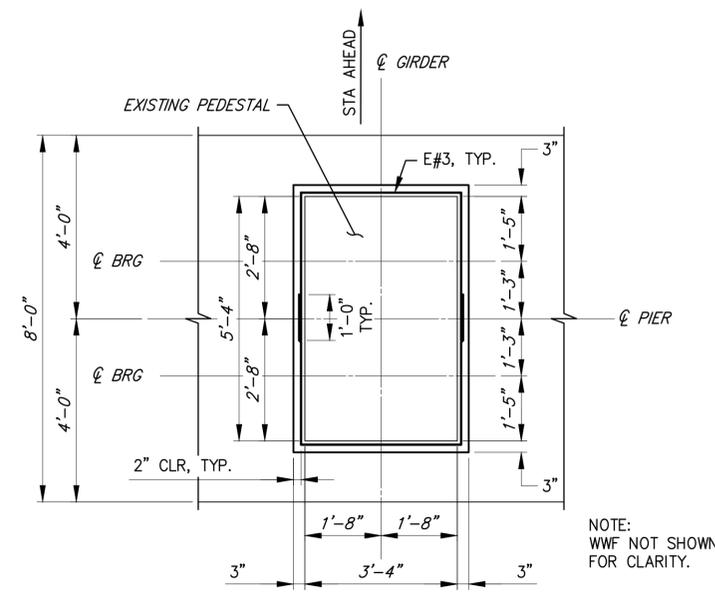
DECK REPAIR TYPE 3
NOT TO SCALE



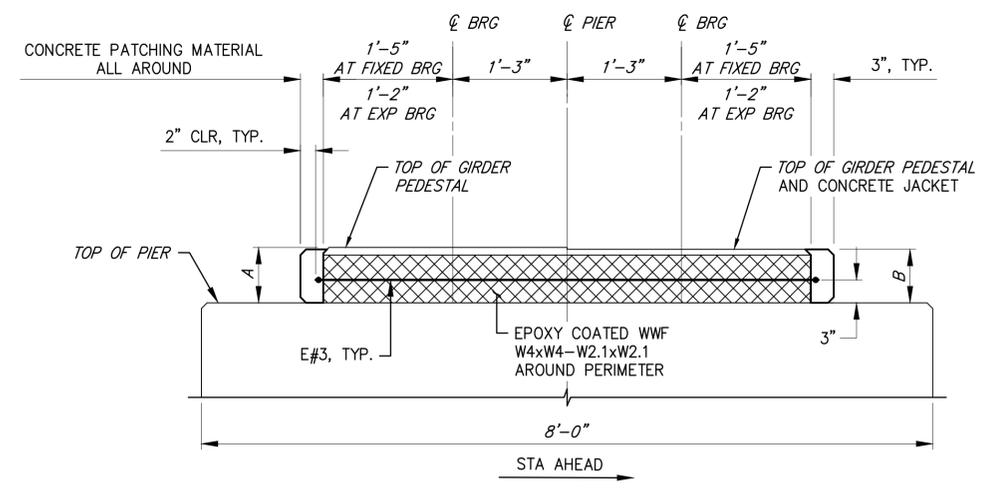
DECK REPAIR LOCATION MAP
NOT TO SCALE

NOTES:
PLR (PERMIT LOAD REPAIRS)
TDR (TRANSFORMER DELIVERY REPAIRS)





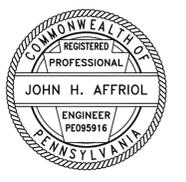
PEDESTAL AT FIXED BEARING IN SPANS 5-17



PEDESTAL REPAIR SECTION AT PIER



NOTES:
 PLR (PERMIT LOAD REPAIRS)
 TDR (TRANSFORMER DELIVERY REPAIRS)



Pennsylvania Natural Diversity Inventory (PNDI)

1. PROJECT INFORMATION

Project Name: **TMI North Bridge**

Date of Review: **2/11/2025 11:31:30 AM**

Project Category: **Transportation, Structures and Bridges, Bridge Replacement and/or Removal - on existing alignment (within 12 feet up/down stream)**

Project Area: **0.43 acres**

County(s): **Dauphin**

Township/Municipality(s): **Londonderry Township**

ZIP Code:

Quadrangle Name(s): **MIDDLETOWN**

Watersheds HUC 8: **Lower Susquehanna-Swatara**

Watersheds HUC 12: **Laurel Run-Susquehanna River**

Decimal Degrees: **40.161653, -76.720191**

Degrees Minutes Seconds: **40° 9' 41.9524" N, 76° 43' 12.6862" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Potential Impact	MORE INFORMATION REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

TMI North Bridge

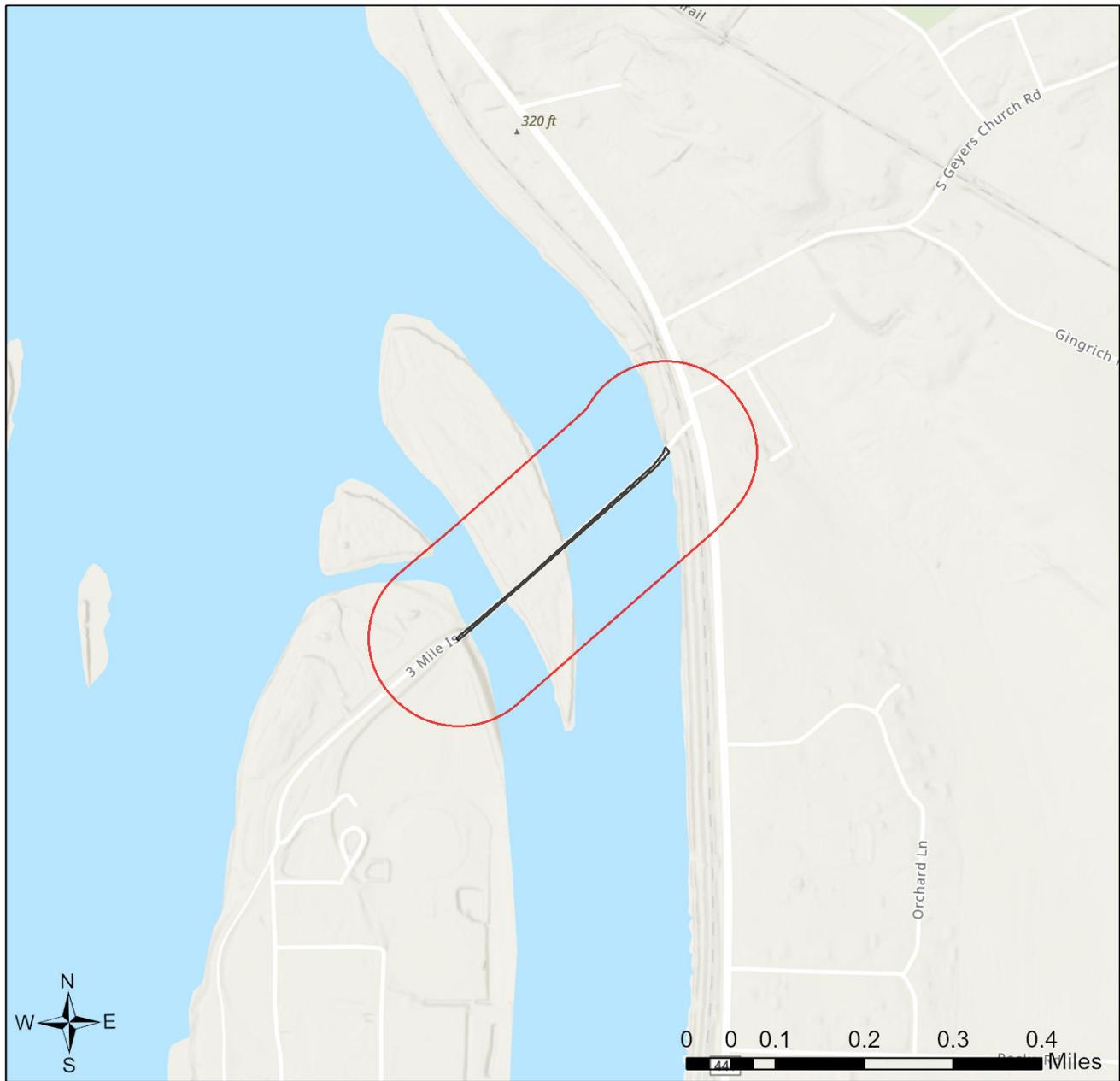


-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

TMI North Bridge



-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

Information Request: Due to the proximity of this project to a bald eagle nest, it is possible that project activities may disturb bald eagles, which is a form of "take" under the Bald and Golden Eagle Protection Act and may require a permit. The Service has prepared a project screening form to help you determine which specific measures may be necessary to avoid disturbing bald eagles and their nests, based on the type and scope of your proposed project or activity, and its distance from a bald eagle nest. Complete the "Bald Eagle Project Screening Form" (see https://www.fws.gov/northeast/ecologicalservices/pdf/eagle/NE_Bald-Eagle_Project-Screening-Form_rev20200416.pdf) and implement the measures identified on that form. Submit a copy of the completed Screening Form to the appropriate federal or state permitting agencies (e.g., PA DEP).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email the following information to the agency(s) (see AGENCY CONTACT INFORMATION). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies (but not USFWS).

*If information was requested by USFWS, applicants must email, or mail, project information to IR1_ESPenn@fws.gov to initiate a review. USFWS will not accept uploaded project materials.

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

Bureau of Wildlife Management
Division of Environmental Review
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Clay Markey
Company/Business Name: C. S. Davidson
Address: 38 North Duke St
City, State, Zip: York, PA 17401
Phone: (717)814-4521 Fax: (717) 846-5811
Email: CWM@CSDAVIDSON.COM

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Clay Markey
applicant/project proponent signature

02/11/2025
date

NORTHEAST BALD EAGLE PROJECT SCREENING FORM



Welcome!

What is the purpose of this form? The U.S. Fish and Wildlife Service (Service) designed this form as a voluntary tool to help people comply with the Bald and Golden Eagle Protection Act (BGEPA) by planning activities in a manner that avoids disturbing nesting bald eagles. To disturb a bald eagle nest means to agitate or bother a bald eagle to a degree that causes, or is likely to cause, that eagle to abandon its nest, suffer injury, or be unable to perform activities necessary to its survival. While all guidance included in this form is voluntary, individuals and organizations that disturb eagles may be subject to fine and prosecution under BGEPA.

How is this form different from the National Bald Eagle Management Guidelines? The National Bald Eagle Management Guidelines ([Guidelines](#)) is a document published by the Service in 2007 that provides background information on the biology of bald eagles, explains the Federal laws and regulations protecting them, and lays out guidance for several categories of human activities that can affect their nesting. This form takes the Guideline's recommendations, fits them to the regional conditions of the Northeast, and offers them to you in an interactive and intuitive format. Because the form fits its assessments and recommendations to the needs and behaviors of nesting bald eagles in the Northeast, you may find that it differs from the Guidelines on certain details. Nonetheless, the ultimate goal remains the same: to keep project proponents in compliance with BGEPA, while also protecting nesting bald eagles from disturbance.

How this form works. To complete this form, first, find the category of activities that includes your proposed activity. Then, go to the page listed for that category to assess whether your project may risk disturbing nesting bald eagles. If the form identifies that your activities may disturb nesting bald eagles, follow the recommended avoidance measures. These measures will identify factors that could influence nesting eagles' sensitivity to your activities: distance, visibility, timing, and exposure to other human activities. Sign the self-certification that you have committed to implementing the appropriate measures. If your proposed activities fall into multiple categories, repeat this process for each category. Additionally, if your project has the potential to affect multiple nests, complete a separate form for each nest site.

What to do with your completed form. Once you have signed your self-certification, keep the form for your personal records. You do not need to submit your completed form to the Service. Keep the form and additional pages that may be helpful to your future planning and compliance. If a local, state, or federal authority asks for documentation that you are complying with the Service's regional guidance, you can present them with your completed and signed form.

INTRODUCTION

What to know before you start. You will need a few pieces of information to help you complete this form.

Breeding Season

For temporary activities that might be loud or very visible, one of the simplest and most effective ways to avoid disturbing a bald eagle nest is to time the activity when eagles are not nesting, that is, outside the bald eagle breeding season. Wildlife agencies often refer to this type of measure as a time-of-year restriction. The bald eagle breeding season lasts approximately seven to eight months and has many stages. Start and end dates to this season can vary by location, year, and breeding pair. For simplicity, general dates are often set at a statewide level. Consult Appendix A to find the breeding season in your area.

Visibility

For some categories of activities, this form will ask whether your project activities will be visible to the nest. There are two general approaches to answering this question, a desktop assessment and a site visit. A desktop assessment involves consulting online mapping resources, such as Google Maps or state nest maps (see Appendix B), which can display your project location and the nest location on satellite or aerial imagery. When viewing this imagery, look to see whether there are landscape features or structures that might screen the nest's view of your activities. Your assessment is only as good as your imagery. Make sure the imagery is current and accurately reflects visibility conditions on the ground.

The second option is to visit your project location. Assess from various points in your project footprint whether you can see the nest. Use binoculars (4X power or greater) or spotting scope to assist your viewing. If you plan to visit the project site during the breeding season, be aware that your presence could also disturb the nest. Maintain 330' feet between you and the nest, or at least as much distance as the nearest ongoing foot traffic at the nest site. You should only perform your site visit from property legally accessible to you.

Using both the field and desktop approach will give you your best answer. If there is need to select between the two options, a site visit will generally provide a better sense of visibility. In either approach, consider that your activities may become more visible during portions of the year when leaves are off trees and other vegetation.

Nest Location

To figure out how close or how visible your activities will be, you will need precise knowledge of the nest's location. If you do not already have this information, check Appendix B to see if any online or state resources are available. If you are unable to get this information from any of these sources, survey the site. As when assessing visibility, you should only perform your visit on property legally accessible to you. You should also avoid coming within 330 feet of a nest during the breeding season, unless you know that the eagles have previously tolerated people at whatever shorter distance you are planning to use. For descriptions and examples of bald eagle nests, and explanation of how they differ from other large bird nests, see "Appendix C – Guide to Nest Identification."

INTRODUCTION

If you feel unable to perform this search, consider employing the services of a wildlife biologist experienced in this type of surveying. Alternatively, consider contacting your state or local wildlife agency to see if they would be able to perform a site visit (please be aware that many state and local wildlife agencies are constrained in their resources and time and may not be able to offer this service). Be sensitive to sharing information about nest locations. Attracting public interest to a nest site can threaten the safety of that nest. Some states also continue to prohibit the release of nest locations.

It is possible that you will be unable to find a reported nest. While bald eagles commonly use nests across breeding seasons, nests do not always survive from one season to the next. Nests may fall apart of their own accord or be blown down by high winds. Bald eagles may also stop using a nest for one season or more, even if the nest as a structure still exists. In these scenarios, bald eagles may still reuse a former nest site in the following breeding seasons. The temporary absence of a nest or nesting eagles does not absolve you of your responsibilities to avoid disturbing future nesting at that site. The Service recommends implementing the measures included in this form for five years after the last breeding season eagles used a nest or, where the nest no longer exists, three years after the last breeding season in which the nest existed.

Similar Activities

One of the best indicators of what a nesting bald eagle pair will tolerate is what they have already tolerated. In certain places, this form will ask whether the nesting pair has experienced and tolerated similar activities at the nest location. To answer this question, you will need to know about previous human activity at that location. Was that activity similar in nature to what you propose? As close as or closer than what you propose to do? Did it occur at the same time of day? Time of year? Did it last as long? Was it as frequent? Was it as loud? Was it as visible? You will also need to know basic history about the nest. Did the nest exist before that previous activity? Was it ever used after that activity? If your answer to any of these questions is 'no,' you cannot answer 'yes' to the broader question of whether there is similar activity at that site. See "Appendix D – Similar Activity Example Exercise" for a demonstration of how to apply this principle.

Limitations

Know when and how you should be using this form. See "Appendix E – Limitations of this form."

Where to go for help. The Service understands that project proponents may occasionally need clarification on which assessments are relevant to them and how to implement certain avoidance and minimization measures. If you find you are unable to complete this form, you can contact your regional eagle coordinator (Tom Wittig) for assistance at

thomas_wittig@fws.gov - or - 413-253-8577

When emailing, please include in your subject line "BALD EAGLE SCREENING FORM QUESTION." If you are unable to connect with your regional eagle coordinator when calling, please leave a voice message that you are calling about this form and how best to reach you.

For explanation of technical terms used in this form, see "Appendix F – Glossary of Terms."

PROJECT INFORMATION

PROJECT INFORMATION

Project Name: _____

City: _____ **County:** _____ **State:** _____

Lat/Long (decimal degrees; ex. 38.418310, -76.001096): _____

[Find Lat/Long via map](#)

Size: _____ acres\miles

PROJECT CONTACT INFORMATION

Name: _____ **Phone:** _____

Address: _____

Email: _____

If your project has a Federal (ex. U.S. Army Corps), state (ex. PNDI), or other ID number, please list here: _____

PROJECT ACTIVITY CATEGORY(S)

Place a check next to all activities you plan to perform.

- Construction and Development Activities → go to pages 5 -7
- Maintenance and Restoration Activities → go to pages 8 -9
- Timber Operation and Forestry Practices → go to page 10
- Use of Helicopters and Fixed-wing Aircraft → go to page 11
- Blasting and Other Loud, Intermittent Noises (including Fireworks) → go to page 12
- Recreational Activities → go to pages 13 – 14

Feedback? The Service is continuously looking to improve this form. If you have suggested changes, please feel free to email them to us at thomas_wittig@fws.gov. Include “Bald Eagle Project Screening Form – Feedback” in your subject line.

Maintenance and Restoration Activities

This category includes outdoor maintenance of existing structures or infrastructure, where the maintenance activity is temporary and obtrusive (e.g., requires use of heavy equipment or loud machinery), and within the previously disturbed footprint of the structure or infrastructure. If maintenance is proposed outside the previously disturbed footprint, see **Construction and Development Activities** (pages 5-7). This category also applies to the maintenance and restoration of natural habitats (e.g., wetlands, streams, rivers, non-forested uplands). This category does not include routine, ongoing activities to which bald eagles have already exhibited a tolerance (e.g., lawn mowing; plowing, planting or harvesting of agricultural fields; etc.).

Which maintenance or restoration activities do you plan to perform? (check all that apply)

- Maintenance of linear utilities (e.g., power lines, pipelines, water and sewer lines)
- Road, bridge, or culvert maintenance
- Trail, campground, or recreational area maintenance
- Maintenance of oil and gas wells, well pads, and storage tanks
- Maintenance of dams, levees, berms, canals and other water-control structures
- Pond, lake, or reservoir maintenance (draw downs, dredging)
- Stream or stream bank maintenance /restoration (e.g., stream bank fencing, stream bank stabilization, livestock crossings, in-stream habitat improvements, channel maintenance, dredging)
- Wetland maintenance / restoration (e.g., invasive plant control, restoration of hydrology)
- Prescribed burning for invasive control
- Upland habitat maintenance / restoration (e.g., planting or cutting of vegetation, invasive plant control, trash cleanup, abandoned mine lands restoration). This does not include activities in forests/woodlands (see **Timber Operation and Forestry Practices**) or in agricultural fields.

Is your activity similar to an ongoing or previous activity that coincided with the breeding season and that bald eagles tolerated? Consider both construction and use/operation of your project.

Consider all of the following elements/factors in answering:

- | | | |
|--------------|-----------------|-----------------|
| -duration | -time of season | -area/footprint |
| -frequency | -visibility | -magnitude |
| -time of day | -distance | -nature |

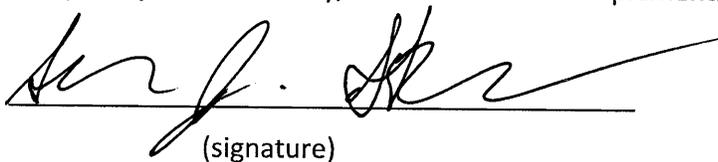
- Yes → No avoidance measures recommended. Go to self-certification.
- No → Go to Avoidance Measures.

AVOIDANCE MEASURES - Place a check mark next to each AM that you can commit to following. The Service recommends you follow these AMs to prevent your activities from disturbing nesting bald eagles.

- AM 6 - Within 660 feet (200 meters) of the nest, perform all loud and intrusive maintenance and restoration work outside the breeding season. These activities include, but are not limited to, the following: construction, excavation, use of heavy equipment, use of loud equipment or machinery, vegetation clearing, earth disturbance, planting, landscaping, and habitat restoration activities.
- AM 7 - Maintain existing landscape buffers that visually screen the activity from the nest.
- AM 8 - Do not perform prescribed burning within 660 feet (200 meters) of the nest during the breeding season. If there is no practicable alternative to scheduling prescribed burning during the breeding season, only conduct burns when adult eagles and young are absent from the nest tree (i.e., at the beginning of, or end of, the breeding season, either before the particular nest is in use or after the young have fledged from that nest).
- AM 9 - When performing prescribed burning within the drip line of the nest tree, rake leaves, vines, and woody debris from around the base of the tree to prevent fire from climbing the tree. When burning within a patch of forest containing the nest tree, take precautions to prevent crown fire.

Do you commit to following all recommended avoidance measures?

- YES – I certify that I have completed this form to the best of my ability, answered all questions completely and accurately, and committed to implementing all applicable avoidance measures.


(signature)

10/23/2024
(date)

U.S. Fish and Wildlife Service Determination: Based on your responses and commitment to implementing all applicable avoidance measures, the Service has determined that your proposed activities are unlikely to disturb nesting bald eagles.

- NO – I am unable to follow one or more of the avoidance measures recommended by this form.

Go to page 15 for further instruction.

EXHIBIT "A"

COMMONWEALTH OF PENNSYLVANIA

A 17291

WATER AND POWER RESOURCES BOARD

PERMIT

To METROPOLITAN EDISON COMPANY

For constructing a rail and highway
bridge having a span of 1500 feet
and a minimum clearance of 25 feet
across the east channel of the Sus-
quehanna River at a point approxi-
mately 58½ miles from its mouth in
Londonderry Township, Dauphin County

FOR THE USE OF THE BOARD

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF FORESTS AND WATERS
WATER AND POWER RESOURCES BOARD

PERMIT

The Water and Power Resources Board which, by virtue of Section 1808 of "The Administrative Code," is 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 ~~the~~ constructing a rail and highway bridge having a span of 1500 feet and a minimum clearance of 25 feet across the east channel of the Susquehanna River at a point approximately 58½ miles from its mouth in Londonderry Township, Dauphin County.

This permit is issued in response to an application filed in the office of the Water and Power Resources Board on the 18th day of September, A. D. 1967, 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, said plans revised and filed in the office of the Water and Power Resources Board on October 9, 1967.

X

9. If this work is not completed on or before the 31st day of December A. D. 19 67, this permit, if not previously revoked or specifically extended, shall cease and be null and void.

10. The permittee, in accepting this permit, agrees to maintain the structure herein authorized free of flood debris and deposits.

11. There will be a charge of \$100.00 per annum and a charge of \$25.00 for the remainder of the calendar year in accordance with the Board's resolution regarding crossings by public utilities of streams declared navigable.

WITNESS my hand as Chairman of the Water and Power Resources Board this 10th day of October, A. D. 19 67.

WATER AND POWER RESOURCES BOARD

Maurice K. Goddard
MAURICE K. GODDARD, Chairman

ATTEST:

J. Ferguson
J. Ferguson, Secretary

sub: however, to the provisions of the Act of June 25, 1913, P. L. 555, as amended, and the following conditions, regulations, and restrictions:

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 regulations; 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 Board, and no changes in the maps, plans, profiles, and specifications as approved shall be made except with the written consent of the Board. The Board, however, reserves the right to require such changes or modifications in the maps, plans, profiles, and specifications as may be considered necessary. The Board further reserves the right to suspend or revoke this permit if in the opinion of the Board the best interests 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 Board;

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 Water and Power Resources Board, it shall cause unreasonable obstruction to the free passage of floods or navigation, the permittee shall, upon due notice from the Water and Power Resources Board, 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 said Board 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 said Board 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 Water and Power Resources Board 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 Water and Power Resources Board, Harrisburg, Pa., 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.

EXHIBIT “B”



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

WATERWAYS & WETLANDS PROGRAM

FILE COPY

SEP 18 2012

Mr. Jack Barrett
Exelon Generation Company, LLC
Three Mile Island Unit 1
2625 River Road
Middletown, PA 17057

Re: General Permit Acknowledgment
DEP General Permit File No. GP-11-22-12-116
Londonderry Township, Dauphin County

Dear Mr. Barrett:

This will acknowledge receipt of your notification to use and registers your use of General Permit No. 11 (Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions & Encroachments) to maintain the existing bridge and piers with R-5 riprap scour protection and concrete repair to the parapet wall in, along, and over the Susquehanna River (WWF, MF) (Latitude: 40°9.0'44.9", Longitude: -76°43'7.7") in Londonderry Township, Dauphin. You are responsible for assuring the work is done in accordance with the drawings and conditions contained in the General Permit. You may proceed with your project after making the required notifications stipulated in the General Permit and securing all other approvals that may be necessary.

A copy of your General Permit registration is to be sent to the U.S. Army Corps of Engineers for a review. Please be advised that you do not have federal authorization. You are responsible for contacting the U.S. Army Corps of Engineers regarding federal authorization; call Mr. Mike Dombroskie at 814.235.0571.

Prior to start of work, please notify the Pa. Fish and Boat Commission, Southcentral Region at 717.486.7087 and the Dauphin County Conservation District at least ten days of advance notice.

Work must be done in compliance with Chapter 102. Prior to construction, an Erosion and Sediment Control Plan must be reviewed and determined adequate by the County Conservation District in which the activities are proposed and implemented prior to, during and after construction. The project site shall be at all times available for inspection by DEP and authorized employees of the County Conservation District. The Erosion and Sediment Control Plan shall be available at the site at all times.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

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

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

If you have any questions, please call me at 717.705.4738.

Sincerely,



Bob Graves
Permits Section
Waterways & Wetlands Program

cc: Pa. Fish & Boat Commission, Southcentral Region
U.S. Army Corps of Engineers, Baltimore District
Dauphin County Conservation District
William Waugh, G. M. McCrossin, Inc.



Exelon Generation®

NORTH BRIDGE PIER REPAIRS
RIVER DEBRIS REMOVAL
ARMY CORPS OF ENGINEERS

~~PERMITTING~~ --- 1/4/2013
SRC
PERMIT 1-31-2013

2H.103

January 4, 2013
5532-2013-002

Michael Dombroskie
Biologist, Pennsylvania Section
U.S. Army Corps of Engineers
1631 South Atherton Street - Suite 101
State College, PA 16801

SUBJECT: NORTH BRIDGE MAINTENANCE
PASPGP-4 PERMIT COMPLIANCE SELF-CERTIFICATION FORM
PADEP PERMIT # GP-11-22-12-116 / ACOE PERMIT # NAB-2012-2471-P12
THREE MILE ISLAND UNIT 1 (TMI UNIT 1)

Dear Mr. Dombroskie:

Pursuant to the referenced Pennsylvania State Programmatic General Permit (PASPGP) - 4, General Condition No. 22, please find attached a completed PASPGP-4 Permit Compliance, Self-Certification Form. Photographs of the completed work are attached as required by Item No. 7 of the Form. The work commenced on September 16, 2012, and was completed on October 19, 2012.

Should the Army Corps of Engineers have questions or concerns regarding the attached document please contact me at (717) 948-8881 or e-mail at scott.cogley@exeloncorp.com.

Sincerely,

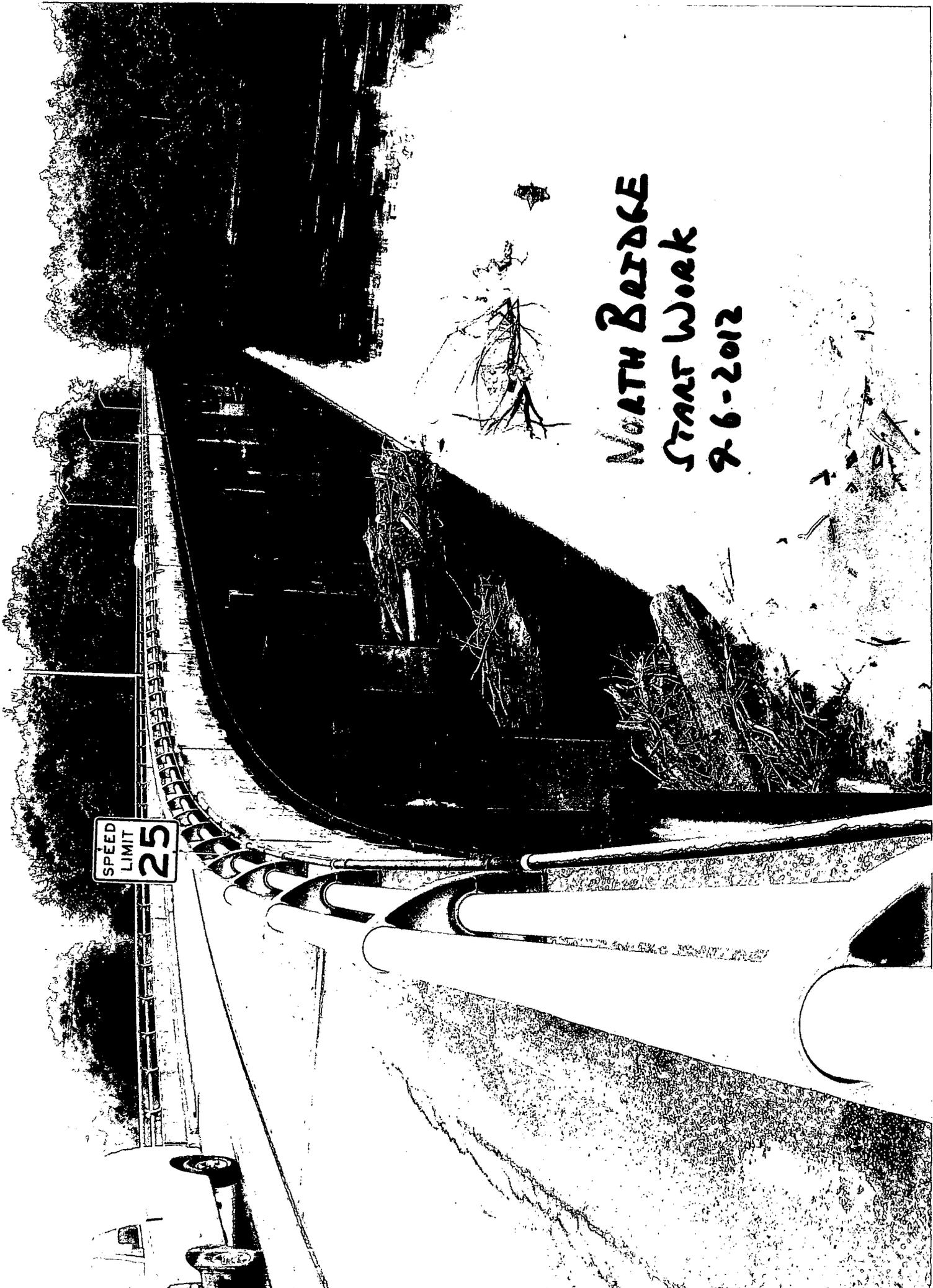
S. R. Cogley
Sr. Environmental Chemist

SRC

Attachment

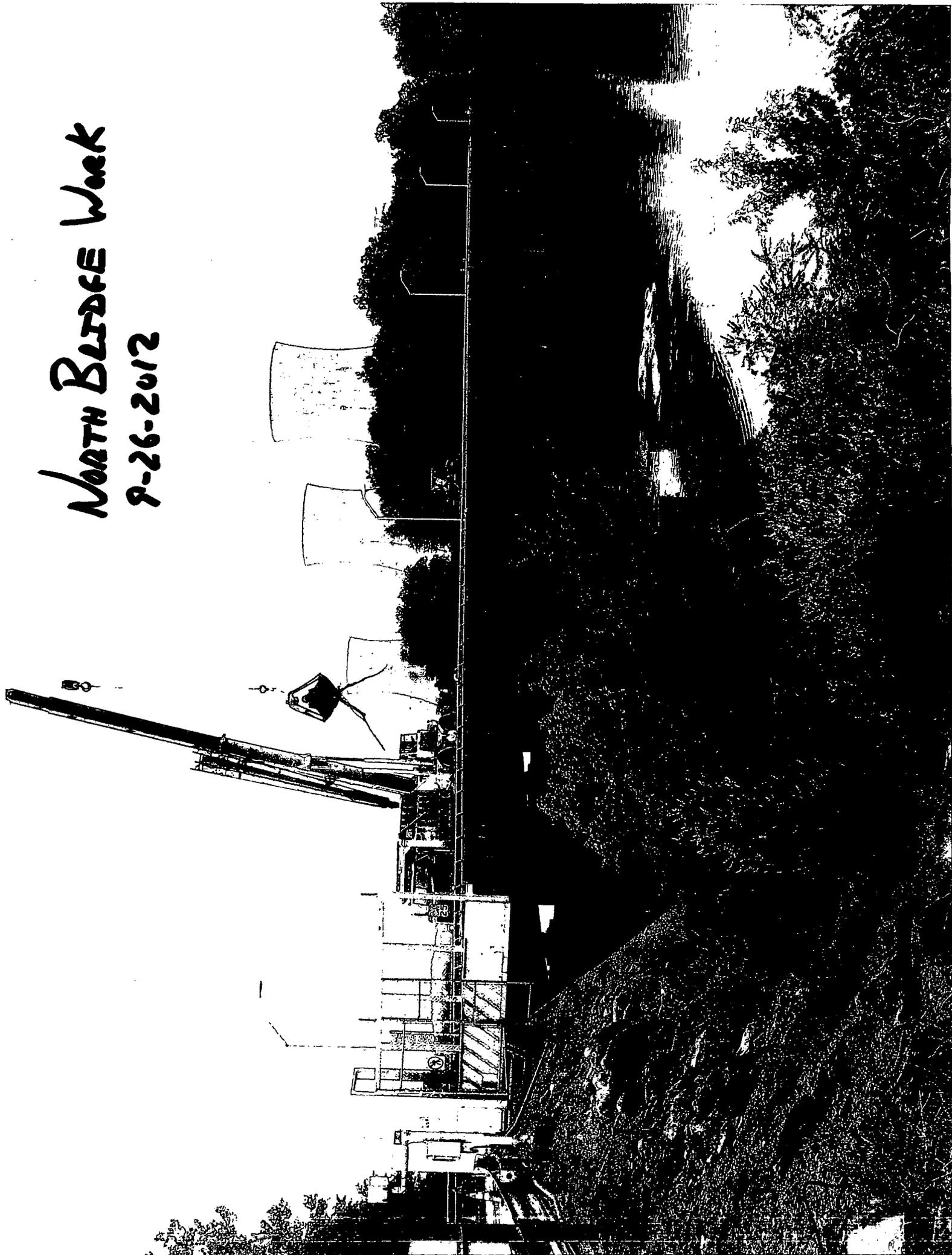
SPEED
LIMIT
25

NORTH BRIDGE
START WORK
9-6-2012



North Bridge Work

9-26-2012



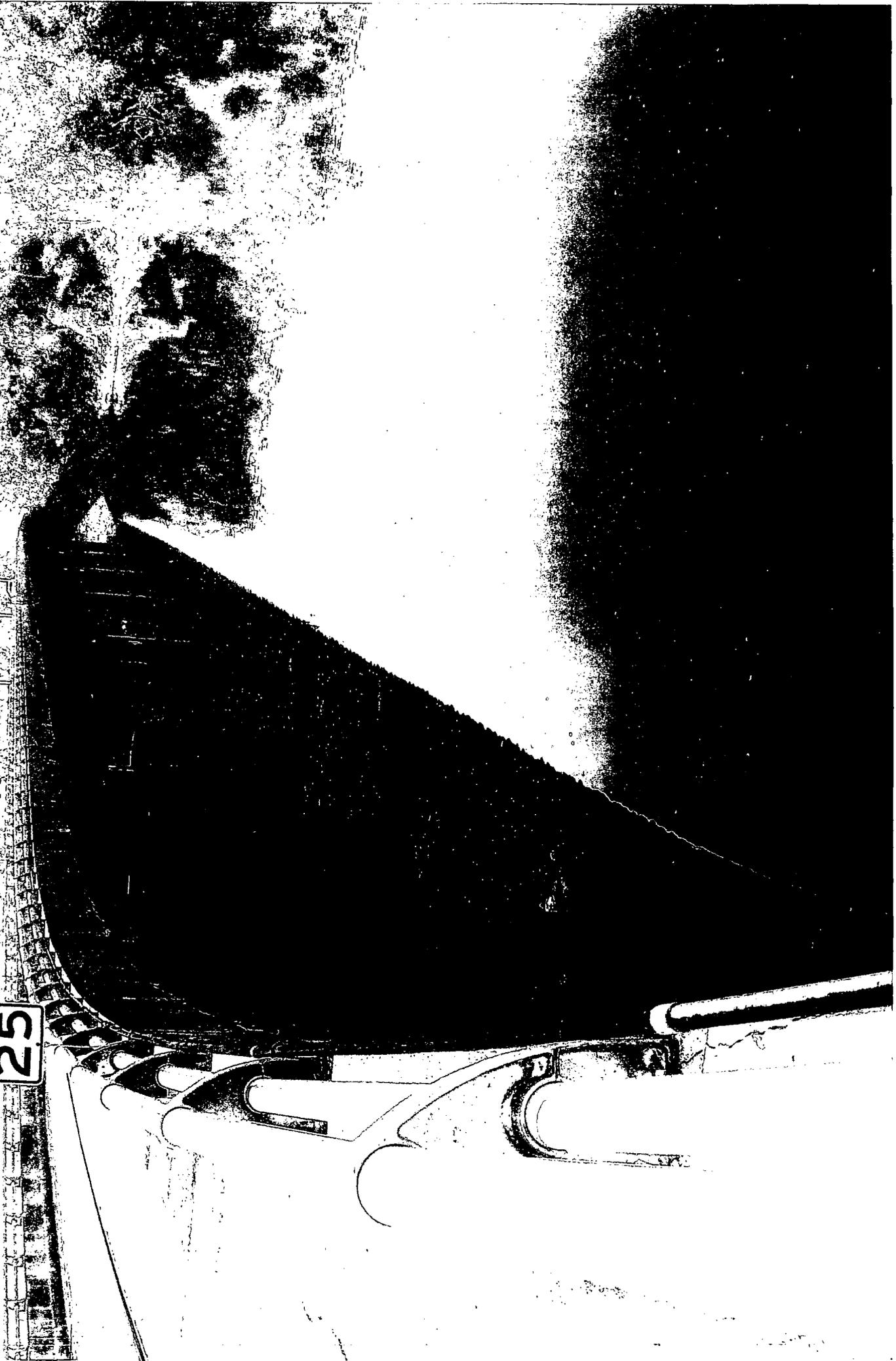
North Bridge

10-17-2012



North Berdge
10-24-2012

SPEED
LIMIT
25



NORTH BRIDGE
10-27-2012



Attachment 2
Example Verification Completion Form
Page 1 of 1

Verification Documentation

Correspondence/Letter number: 5532-2013-002 Origination Date: 1-4-2013
 Agency/External Stakeholder: ACOE Submittal Due Date: 1-4-2013
 Recipient of Correspondence: MIKE DOMBROSKIE ACOE GP-11-2-12-116
(name and title if known) PERMIT SELF-CERTIFICATION
 Purpose of Submittal: NORTH BRIDGE REPAIR - PIER SEDIMENT REMOVAL + Rip-Rap
 Originating Office: Cantera Kennett Square Site TMC Unit # 1
(specify)
 Preparer: SR Cogley SRP 1-4-2013
(print) (sign) (date)
 Peer Reviewer: NA NA NA
(print) (sign) (date)
 Certified Mail Return Receipt Requested: Yes No

Approvals (check box if applicable)

	Applicable	Date Review Needed	Signature of Reviewer	Date of Review
Site Departments				
Chemistry	<input type="checkbox"/>		NA ↓	
Operations	<input type="checkbox"/>			
Engineering	<input type="checkbox"/>			
Regulatory Assurance	<input type="checkbox"/>			
Other: <u>Excav</u> <u>MAINTENANCE</u> <small>(specify)</small> <u>+ Construction</u>	<input checked="" type="checkbox"/>	<u>1-4-2013</u>		<u>MIKE LAIR - PLE APPROVED</u> <u>FORM SIGNATURE</u>
Corporate <u>G.M. McCRAWEN</u>				
SME/FAM	<input type="checkbox"/>			
Site Management				
Plant Manager	<input type="checkbox"/>		<input type="checkbox"/> Report Signed and Approved NA	
Site Vice President	<input type="checkbox"/>			

SRP
1-4-2013

Attach additional page for comments.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
BALTIMORE DISTRICT, U.S. ARMY CORPS OF ENGINEERS
P.O. BOX 1715
BALTIMORE, MD 21203-1715

Operations Division

15 October 2012

Exelon Generation Company, LLC
Three Mile Island Unit 1
2625 River Road
Middletown, Pennsylvania 17057
Attn: Mr. Jack Barrett

Dear Mr. Barrett :

This is in reference to your application, identified by this office as NAB-2012-2471-P12 (Three Mile Island Generation North Bridge Maintenance), for Department of the Army authorization to maintain the existing bridge and piers with R-5 riprap scour protection and concrete repair to the parapet wall of the existing Three Mile Island Nuclear Station North Bridge over the Susquehanna River, in Londonderry Township, Dauphin County, Pennsylvania.

In accordance with Section 404 of the Clean Water Act, a Department of the Army authorization is required for the discharge of dredged and/or fill material into waters of the United States, including jurisdictional wetlands. Section 10 of the Rivers and Harbors Act also requires Department of the Army authorization for any work in, over, or under a navigable water of the United States.

We have determined that your proposed work, if accomplished in accordance with the enclosed terms and conditions and the information included in your application, is authorized under the Pennsylvania State Programmatic General Permit-4 (PASPGP-4). This PASPGP-4 verification is provided pursuant to Section 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. This authorization may be subject to modification, suspension, or revocation if any of the information contained in the application, including the plan(s), is later found to be in error.

The enclosed list of conditions must be followed for purposes of the PASPGP-4 (Enclosure 1). The enclosed self-certification form must be completed and returned to this office (Enclosure 2). You and your contractor are also requested to sign, date and return Enclosure 3 of this verification letter whereby you are acknowledging and agreeing to comply with the terms and conditions, including the special conditions, of this PASPGP-4 verification. In addition, the following special conditions are incorporated as part of this authorization:

1. All authorized work shall be constructed in accordance with the "2011 Bridge Inspection Engineering Report" Conclusion and Recommendation Sections, prepared by C.S. Davidson, Incorporated, dated June 27 and 28, 2011, pages 15-17.

2. The authorized work shall result in no more than 170 linear feet of permanent impacts to the Susquehanna River associated with the riprap installation at the toe of piers 1-4 & 8-9. There are no wetland impacts associated with this proposal.
3. The permittee shall require its contractors and/or agent to comply with the terms and conditions of this permit in the construction and maintenance of this project, and shall provide each of its contractors and/or agents associated with the construction or maintenance of this project with a copy of this permit.

This permit verification, including the computation of impacts and any required compensatory mitigation requirements, is based on a preliminary jurisdictional determination (JD). This preliminary JD finds that there "may be" waters of the United States within the area depicted on the project plans. This preliminary JD is based on the information included on the enclosed Preliminary Jurisdictional Determination Form (Enclosure 4). This preliminary JD is not appealable. Please see attached "Notification of Administrative Appeal Options and Process and Request for Appeal" form (Enclosure 5).

If you do not agree with the extent of waters or wetlands and this preliminary JD upon which this permit verification was based, you are hereby advised of your option to request and obtain an approved JD from this office before accepting the terms and conditions of this permit verification. An approved JD is an official, written Corps determination stating the presence or absence of jurisdictional waters of the United States and identifies the limits of waters of the United States on a project site. An approved JD can be relied upon for a period of 5 years and can be appealed through the Corps' administrative appeal process set out at 33 CFR Part 331.

Please note that undertaking any activity in reliance on a Corps permit authorization based on a preliminary JD means that you accept the permit in entirety, and waive all rights to appeal the permit, including its terms and conditions and the preliminary JD associated with this permit.

This verification is valid for the length of the Pennsylvania Department of Environmental Protection permit, including 401 Water Quality Certification, or until the PASPGP-4 expires (June 30, 2016), is modified, reissued, suspended, or revoked. You must remain informed of changes to the PASPGP-4. We will issue (a) public notice(s) announcing the changes as they occur.

Activities authorized under the PASPGP-4 that have commenced construction or are under contract to commence construction, will remain authorized provided the activity is completed within 12 months of the date of the PASPGP-4's expiration (June 30, 2016), modification, or revocation; or until the expiration date of the project specific verification, whichever is less.

Be advised that this verification authorizes the aforementioned work as a single and complete (one time only) activity. If additional work is to be performed, you must notify this office. Subsequent work in this area may require a separate letter of authorization from this office.

This verification does not obviate the need for obtaining other Federal, State, or local authorizations.

In addition, please note, if you sell the property associated with this permit, when the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new property owner(s). Although the construction period for work authorized by this PASPGP-4 is finite, the permit itself, with its limitations, does not expire. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, you must have the transferee (new owner) complete the enclosed permit transfer form (Enclosure 6). The transferee is required to provide a mailing address and telephone number along with their signature and date in the space provided, and mail a copy to: U.S. Army Corps of Engineers, State College Field Office, 1631 South Atherton Street, Suite 101, State College, PA 16801.

This authorization has been sent to the Pennsylvania Department of Environmental Protection Southcentral Regional Office and the Dauphin County Conservation District Office. Subsequent correspondence from the Pennsylvania Department of Environmental Protection or the County Conservation District may reiterate the contents of this letter.

If you have any questions concerning this matter, please call Mr. Michael Dombroskie from this office at (814) 235-0571.

Sincerely,



Michael Dombroskie
Biologist, Pennsylvania Section

Enclosures

To identify how we can better serve you, we need your help. Please take the time to fill out our new customer service survey at: <http://www.nab.usace.army.mil/Regulatory/survey.htm>

PENNSYLVANIA STATE PROGRAMMATIC GENERAL PERMIT – 4

(PASPGP-4)

July 1, 2011

2012-02471

Please note: the full text of the PASPGP-4 may be viewed on the Baltimore District web site at <http://www.nab.usace.army.mil/Wetlands%20Permits/> or by calling the Corps at 814-235-0570

Applicant: Exelon Generation Company, LLC

State Authorization(s): GP-11-22-12-116

Corps District:

Philadelphia
U.S. Army Corps of Engineers,
Philadelphia District
Regulatory Branch
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390

Baltimore
U.S. Army Corps of Engineers,
Baltimore District
Regulatory Branch
1631 South Atherton Street
Suite 101
State College, PA 16801-6260

Pittsburgh
U.S. Army Corps of Engineers,
Pittsburgh District
Regulatory Branch
Federal Building, 20th floor
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

It has been determined that your proposed project, which includes the discharge of dredged and/or fill material and/or the placement of structures into waters of the United States, including wetlands, qualifies for Federal authorization under the provisions of Section 404 of the Clean Water Act and /or Section 10 of the River and Harbor Act of 1899, under the terms and conditions of the PASPGP-4.

All activities authorized under PASPGP-4 must comply with all conditions of the authorization, including General, Procedural, and Special Conditions. Failure to comply with all the conditions of the authorization, including project special conditions, will constitute a permit violation and may be subject to criminal, civil, or administrative penalties, and /or restoration.

The authorized activity must be performed in compliance with the following General Conditions to be authorized under PASPGP-4:

General Conditions:

1. Permit Conditions: The permittee shall comply with all terms and conditions set forth in the PADEP authorization for use of this permit, including all conditions of Section 401 Water Quality Certification, and any subsequent amendment or modification to such authorization. The permittee shall conduct all work and activities in strict compliance with all approved maps, plans, profiles, and specifications used by PADEP and/or the Corps as the basis for its authorization or subsequent modification of authorization.

2. Aquatic Life Movements: No activity may substantially disrupt the movement of those species of aquatic life indigenous to the waterbody, including those species which normally migrate through the area, unless the activity's primary purpose is to impound water. Culverts placed in streams must be appropriately depressed to maintain aquatic life movement and low flow conditions.

3. Threatened and Endangered Species: If an activity is authorized under the PASPGP-4, and a Federally listed threatened or endangered species, or proposed species or critical habitat, is subsequently found to be present, all work must cease, and the Corps and USFWS (or NMFS) must be notified. The PASPGP-4 verification is suspended and will not be re-issued until consultation pursuant to Section 7 of the ESA is concluded and adverse effects to Federally listed threatened, endangered, and proposed species and critical habitat are avoided.

Furthermore, persons have an independent responsibility under Section 9 of ESA to not engage in any activity that could result in the "take" of a Federally listed species.

4. Spawning Areas: The permittee shall comply with all time-of-year restrictions as set forth by the PFBC or other designated agency. Discharges or structures in spawning or nursery areas shall not occur during spawning seasons, unless written approval is obtained by the PFBC or other designated agency. In addition, work in areas used for other time sensitive life span activities of fish and wildlife (such as hibernation or migration) may necessitate the use of seasonal restrictions for avoidance of adverse impacts to vulnerable species. Impacts to these areas shall be avoided or minimized to the maximum extent practicable during all other times of the year.

5. Waterfowl Breeding and Wintering Areas: Activities including discharges of dredged or fill material or the placement of structures in breeding and wintering areas of migratory waterfowl must be avoided to the maximum extent practicable.

6. Shellfish Production: No discharge of dredged or fill material and/or the placement of structures may occur in areas of concentrated shellfish production, unless the discharge is directly related to an authorized shellfish harvesting activity.

7. Adverse Effects From Impoundments: If the activity, including the discharge of dredged or fill material or the placement of a structure, creates an impoundment of water, the adverse effects on the aquatic system caused by the accelerated passage of water and/or the restriction of its flow, including impacts to wetlands, shall be minimized to the maximum extent practicable.

8. Obstruction of High Flows: To the maximum extent practicable, the activity must be designed to maintain pre-construction downstream flow conditions (i.e., location, capacity, and flow rates). Furthermore, the activity must not permanently restrict or impede the passage of normal or expected high flows (unless the primary purpose of the fill is to impound waters), and the structure or discharge of dredged and/or fill material shall be designed to withstand expected high flows.

9. Erosion and Sediment Controls: During construction, appropriate erosion and siltation controls must be used and maintained in effective operating condition in accordance with State regulations. All exposed soil and other fill material must be permanently stabilized.

10. Suitable Material: No activity, including discharges of dredged and/or fill material or the placement of structures, may consist of unsuitable material (i.e., asphalt, trash, debris, car bodies, etc.). No material discharged shall contain toxic pollutants in amounts that would violate the effluent limitation standards of § 307 of the CWA.

11. Temporary Fill: Temporary fill in waters and wetlands authorized by the PASPGP-4 (i.e., access roads and cofferdams) shall be properly constructed and stabilized during use to prevent erosion and accretion. Temporary fill in wetlands shall be placed on geotextile fabric laid on existing wetland grade. Whenever possible, rubber or wooden mats should be used for equipment access through wetlands to the project area. Temporary fills shall be removed, in their entirety, to an upland site, and suitably contained to prevent erosion and transport to a waterway or wetland. Temporary fill areas shall be restored to their preconstruction contours, elevations, and hydrology and revegetated with non-invasive, native species.

12. Equipment Working in Wetlands: Measures must be taken to minimize soil disturbance when heavy equipment is used in wetland areas. These measures include, but are not limited to, avoiding the use of such equipment, use of timber mats or geotextile fabric, and the use of low pressure tire vehicles.

13. Installation and Maintenance: Any structure or fill authorized shall be properly installed and maintained to ensure public safety.

14. PASPGP-4 Verification:

- a. The PASPGP-4 expires June 30, 2016, unless suspended or revoked.

b. Activities authorized under a project specific PASPGP-4 expire June 30, 2016, unless suspended, revoked, or the PADEP authorization expires, whichever date occurs sooner. Activities authorized under the project specific PASPGP-4 that have commenced construction or are under contract to commence construction will remain authorized provided the activity is completed within 12 months of the date of the PASPGP-4's expiration, modification, or revocation; or until the expiration date of the project specific verification, whichever is sooner.

15. **One-Time Use:** A PASPGP-4 authorization is valid to construct the project, or perform the activity, one time only, except for PASPGP-4 authorizations specifically issued for reoccurring maintenance activities.

16. **Water Supply Intakes:** No activity, including discharges of dredged and/or fill material and/or the placement of structures, may occur in the proximity of a public water supply intake and adversely impact the public water supply.

17. **Cultural Resources:** For all activities verified under a PASPGP-4, upon the discovery of the presence of previously unknown Historic Properties (historic or archaeological), all work must cease and the permittee must notify the SHPO and the Corps of Engineers. The PASPGP-4 authorization is not valid until it is determined, through the Section 106 consultation process, whether the activity will have an effect on the Historic Property. The PASPGP-4 may be reverified and special conditions added if necessary, after an effects determination on the Historic Property is made. The PASPGP-4 authorization may be suspended and/or revoked in accordance with 33 CFR 325.7 for the specific activity if an adverse affect on the Historic Property cannot be avoided or mitigated.

18. **Tribal Rights:** No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

19. **Corps Civil Works Projects:** The PASPGP-4 does not authorize any work which will interfere with an existing or proposed Corps Civil Works project (i.e., flood control projects, dams, reservoirs, and navigation projects). The permittee understands and agrees that, if future operations by the United States require removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal, relocation, or alteration.

20. **Navigation:** No activity authorized under PASPGP-4 may cause more than a minimal adverse affect on navigation. No attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein. In addition, activities that require temporary causeways that prohibit continued navigational use of a waterway (i.e., temporary causeways extending greater than ¼ the width across the waterway) shall be removed in their entirety upon completion of their use. Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

21. **Inspections:** The permittee shall allow a District Engineer or his authorized representative(s) to make periodic inspections at any time deemed necessary in order to ensure that the work is being performed in accordance with all the terms and conditions of the PASPGP-4. The District Engineer may also require post-construction engineering drawings (as-built plans) for completed work.

22. PASPGP-4 Permit Compliance Self Certification Form: A Self Certification Form, regarding the PASPGP-4 authorized work and required mitigation, will be forwarded to each permittee with the PASPGP-4 verification. Every permittee, who receives a written PASPGP-4 verification, shall submit the signed Self Certification Form upon completion of the authorized work and required mitigation. The completed form shall be returned to the appropriate Corps District.

23. Permit Modifications: Any proposed modification of the authorized overall project that results in a change in the authorized impact to, or use of waters of the United States, including jurisdictional wetlands, must be approved by PADEP. Corps approval is also required if the overall project had been previously reviewed by the Corps as a Category III activity, or the proposed modification causes the overall project impacts to exceed 1.0 acre of waters of the United States, including jurisdictional wetlands, or 250 linear feet of streams, rivers, other watercourses and open water areas. Project modifications that cause the overall project impacts to exceed 1.0 acre of waters of the United States, including wetlands, may not be eligible for PASPGP-4 and will be forwarded to the Corps for review.

24. Recorded Conservation Instruments: As per Part IV.A.26 and Part IV.B.4 and Part IV.C.8 of this permit, proposed Draft Conservation Instruments may be submitted by the applicant as part of the permit application package for review and approval. **When such proposed Conservation Instruments are submitted by the applicant, verification of the recorded deed restriction, conservation easement, or deed restricted open space area shall be forwarded to the appropriate Corps District and appropriate PADEP offices, prior to the initiation of any permitted work.**

25. Property Rights: This PASPGP-4 does not convey any property rights, either in real estate or material, or any exclusive privileges; nor does it authorize any injury to property or invasion of rights or any infringement of Federal, State, or local laws or regulations.

26. Navigable Waters of the United States (Section 10 Waters): In addition to the conditions referenced above, the following conditions are applicable for navigable waters of the United States eligible for the PASPGP-4. The PASPGP-4 may be used to authorize work in the following navigable waters of the United States:

- a. Codorus Creek – from the confluence with the Susquehanna River 11.4 miles upstream to the Indian Rock Dam in York, Pennsylvania;
- b. Main Stem Susquehanna River – from the confluence with the Chesapeake Bay upstream to Athens, Pennsylvania (approximately 4 miles south from the New York State line);
- c. West Branch of the Susquehanna River – from the confluence with the main stem Susquehanna River upstream to the dam at Lock Haven, Pennsylvania;
- d. Chester Creek – from the confluence with the Delaware River 2 miles upstream;
- e. Crum Creek – from the confluence with the Delaware River 1 mile upstream to the upstream side of the dam at Eddystone;
- f. Darby Creek – from the confluence with the Delaware River 5 miles upstream to the upstream side of 84th Street Bridge in Philadelphia;
- g. Delaware River – from the Morrisville-Trenton Railroad Bridge in Morrisville, Pennsylvania, including the West Branch of the Delaware River, upstream to the Pennsylvania/New York border at the 42nd parallel;
- h. Lchigh River – from the confluence with the Delaware River 72 miles upstream to the downstream side of PA Route 940 Bridge;

i. Neshaminy Creek – from the confluence with the Delaware River, including the Neshaminy State Park Harbor Project at the mouth of Neshaminy creek, 4 miles upstream to the downstream side of the Newportville Bridge;

j. Pennypack Creek – from the confluence with the Delaware River 2 miles upstream to the downstream side of Frankford Avenue Bridge in Philadelphia;

k. Ridley Creek – from the confluence with the Delaware River 1 mile upstream to the upstream side of the Baltimore and Ohio Railroad Bridge in Chester, Pennsylvania;

l. Schuylkill River – from the Fairmont Dam, 104 miles upstream to Port Carbon, Pennsylvania; and

m. Schuylkill Navigation Channel (Manayunk Canal) – along the Schuylkill River for two miles from the Flat Rock Dam to Lock Street in the Manayunk Section of Philadelphia, Pennsylvania.

27. For Aerial Transmission Lines Across Navigable Waters:

a. The following minimum clearances are required for aerial electric power transmission lines crossing navigable waters of the United States. These clearances are related to the clearances over the navigable channel provided by existing fixed bridges, or the clearances which would be required by the United States Coast Guard for new fixed bridges, in the vicinity of the proposed aerial transmission line. These clearances are based on the low point of the line under conditions producing the greatest sag, taking into consideration temperature, load, wind, length of span, and type of supports as outlined in the National Electrical Safety Code:

NOMINAL SYSTEM VOLTAGE (kV)	Minimum additional clearance (ft.) above clearance required for bridges.
115 and below	20
138	22
161	24
230	26
350	30
500	35
700	42
750-765	45

i. Clearances for communication lines, stream gauging cables, ferry cables, and other aerial crossings must be a minimum of ten feet above clearances required for bridges, unless specifically authorized otherwise by the District Engineer.

ii. Corps of Engineer regulation ER 1110-2-4401 prescribes minimum vertical clearances for power communication lines over Corps lake projects. In instances where both this regulation and ER 1110-2-4401 apply, the greater minimum clearance is required.

b. **Encasement:** The top of the cable, encasement, or pipeline shall be located a minimum of three feet below the existing bottom elevation of the streambed and shall be backfilled with suitable heavy material to the preconstruction bottom elevation. Where the cable, encasement, or pipeline is placed in rock, a minimum depth of one foot from the lowest point in the natural contour of the streambed shall be maintained. When crossing a maintained navigation channel, the requirements are a minimum of eight feet

between the top of the cable, encasement, or pipeline and the authorized depth of the navigation channel. For maintained navigational channels, where the utility line is placed in rock, a minimum depth of two feet from the authorized depth of the navigation channel shall be maintained.

c. **As-built drawings:** Within 60 days of completing an activity that involves an aerial transmission line, submerged cable, or submerged pipeline across a navigable water of the United States (i.e., Section 10 waters), the permittee shall furnish the Corps and the National Oceanic and Atmospheric Administration, Nautical Data Branch, N/CS26, Station 7317, 1315 East-West Highway, Silver Spring, Maryland, 20910 with professional, certified as-built drawings, to scale, with control (i.e., latitude/longitude, state plane coordinates), depicting the alignment and minimum clearance of the aerial wires above the mean high water line at the time of survey or depicting the elevations and alignment of the buried cable or pipeline across the navigable waterway.

d. **Aids to Navigation:** The permittee must prepare and provide for United States Coast Guard (USCG) approval, a Private Aids To Navigation Application (CG-2554). The form can be found at: http://www.uscg.mil/forms/cg/CG_2554.pdf. Within 30 days of the date of receipt of the USCG approval, the permittee must provide a copy to the applicable Corps District

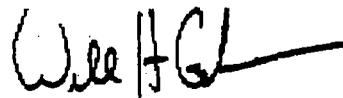
By Authority of the Secretary of the Army:



David E. Anderson
Colonel, Corps of Engineers
District Engineer, Baltimore



Philip M. Secrist, III
Lieutenant Colonel, Corps of Engineers
District Engineer, Philadelphia



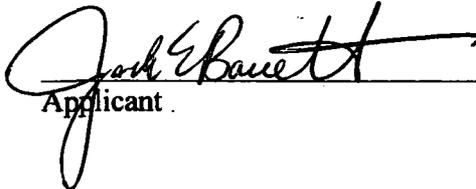
William H. Graham
Colonel, Corps of Engineers
District Engineer, Pittsburgh

Acknowledgment and Agreement for Compliance with Terms & Conditions of PASPGP-4

Project Number: NAB-2012-2471-P12 (Three Mile Island Generation North Bridge Maintenance)

Project Location: Three Mile Island Nuclear Station North Bridge over the Susquehanna River, in Londonderry Township, Dauphin County, Pennsylvania.

I hereby accept and agree to comply with the terms and conditions, of the PASPGP-4 authorization, as stated.


Applicant

10.16.12
Date

I hereby accept and agree to comply with the terms and conditions, of the PASPGP-4 authorization, as stated.

 BILLWAUGH G.M. McCrossin
Applicant's Contractor

10-17-12
Date

Please return form to:
U.S. Army Corps of Engineers
State College Field Office
1631 South Atherton Street
Suite 101
State College, PA 16801

Copy
E-MAILED TO
mike.dombroskie @ USACE.
ARMY.MIL
ON 10-19-2012
PRE

Permit Transfer Form

Project Number: NAB-2012-2471-P12 (Three Mile Island Generation North Bridge Maintenance)

Project Location and Description: to maintain the existing bridge and piers with R-5 riprap scour protection and concrete repair to the parapet wall of the existing Three Mile Island Nuclear Station North Bridge over the Susquehanna River, in Londonderry Township, Dauphin County, Pennsylvania.

TRANSFeree SIGNATURE

DATE

AREA CODE/TELEPHONE NO.

PRINTED NAME

ADDRESS

**Please return form to:
U.S. Army Corps of Engineers
State College Field Office
1631 South Atherton Street
Suite 101
State College, PA 16801**

PASPGP-4 PERMIT COMPLIANCE, SELF-CERTIFICATION FORM

Project Name:	Three Mile islan Generation North Bridge Maintenance	Applicant Name:	Exelon Generation Company
PADEP Permit No:	GP-11-22-12-116	Date of Issuance:	18 September 2012
Corps Permit Number:	2012-2471	Date of Issuance:	15 October 2012
Waterway:	Susquehanna River	County:	Dauphin

In accordance with the compliance certification condition of your PASPGP-4 authorization, you are required to complete and sign this certification form and return it to the appropriate Corps of Engineers District in which the work is located.

- | | | |
|--|---|---|
| <input type="checkbox"/> U.S. Army Corps of Engineers
Philadelphia District
Regulatory Branch
Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390 | <input checked="" type="checkbox"/> U.S. Army Corps of Engineers
Baltimore District
1631 South Atherton Street
Suite 101
State College, PA 16801-6260 | <input type="checkbox"/> U.S. Army Corps of Engineers
Pittsburgh District
Regulatory Branch
Federal Building, 20 th Floor
1000 Liberty Avenue
Pittsburgh, PA 15222-4186 |
|--|---|---|

Please note that the permitted activity is subject to compliance inspections by U.S. Army Corps of Engineers representatives. As a condition of this permit, failure to return this notification form, provide the required information below, or to perform the authorized work in compliance with the permit, can result in suspension, modification or revocation of your authorization in accordance with 33 CFR Part 325.7 and/or administrative, civil, and/or criminal penalties, in accordance with 33 CFR part 326.

Please provide the following information: ⁹

- Date authorized work commenced: 10-16-12 *JML 11/30/12*
- Date authorized work completed: 10-19-12
- Was all work, including any required mitigation, completed in accordance with your PASPGP-4 authorization?
 YES NO
- Explain any deviations (use additional sheets if necessary)

- Was mitigation accomplished through an approved in-lieu fee program?
 YES NO (if YES please provide documentation, if NO complete Nos. 6 and 7 below).
- Wetland Mitigation: Required? YES NO Required Completion Date VIA
Completed? YES NO Mitigation Monitoring Reports Required? Yes No
- Attach labeled photographs showing completed work including mitigation area(s) ~~(not required for PADEPGP's/Waivers)~~

I hereby certify that, except as noted above, that all work, including mitigation, has been completed in accordance with the terms and conditions, including special conditions of the above referenced permit

Applicants Signature: <i>J. Michael Lair for J. BARRETT</i>	Consultant/Agents Signature: <i>WJW Bill WAUGH</i>
Address: <i>P.O. Box 480 RT 441S MIDDLETOWN, PA. 17057</i>	Address: <i>G.M. McCrossin 2780 Bemer pike Bellefonte, PA 16823</i>
Telephone: <i>717-948-8599</i>	Telephone: <i>814-355-4848</i>
Email: <i>JAMES_LAIR@EXELONCORP.COM</i>	Email: <i>WAWAUGH@GMMCCROSSIN.COM</i>

ATTACHMENT

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): October 15, 2012

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:

**Exelon Generation Company, LLC
Three Mile Island Unit 1
2625 River Road
Middletown, Pennsylvania 17057
Attn: Mr. Jack Barrett**

**C. DISTRICT OFFICE, FILE NAME, AND NUMBER: NAB-2012-02471-P12
(Three Mile Island Generation North Bridge Maintenance)**

**D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:
(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES
AT DIFFERENT SITES)**

State: Pennsylvania County/parish/borough: Londonderry
Township, Dauphin County, Pennsylvania.
Center coordinates of site (lat/long): Lat. 40 9' 44.9" N, Long. -76 43' 7.7" W.

Universal Transverse Mercator:

Name of nearest waterbody: Susquehanna River

Identify (estimate) amount of waters in the review area: (Susquehanna River)
Approximately 800 linear feet of existing bridge of which 175 linear feet of
riprap will be placed at the toe of piers 1-4 & 8-9 for a length of 175 linear
feet.

Cowardin Class: R2
Stream Flow: Perennial

Wetlands: acres.

Cowardin Class:

Name of any water bodies on the site that have been identified as Section 10
waters: Susquehanna River

Tidal:

Non-Tidal: Susquehanna River

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date: 21 September 2012
 Field Determination. Date(s):

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD; but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or

(EXELON LETTER No. 5372-2012-038)



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT
WATER OBSTRUCTION AND ENCROACHMENT

DEP USE ONLY	
Acknowledged Date _____	GP _____
PASPGP-4 Authorization included: <input type="checkbox"/> YES <input type="checkbox"/> NO	
Transfer Date _____	

BWM-GP-11 GENERAL PERMIT REGISTRATION
Maintenance, Testing, Repair, Rehabilitation, or
Replacement of Water Obstructions and Encroachments

SECTION A. APPLICANT INFORMATION			
Check One: <input checked="" type="checkbox"/> New Permit <input type="checkbox"/> Transfer of Existing Permit – complete Sections A, C & G and transfer form - 3930-PM-WM0016			
Existing Permit(s) Number for Project(s) with a Submerged Lands License Agreement or an annual fee (if applicable): NOT APPLICABLE			
Applicant Name		Employer ID# (EIN)	
Exelon Generation Company, LLC – Three Mile Island Unit 1		23-3064219	
Contact Person Last Name	First Name	MI	Telephone
Barrett	Jack	E.	(717) 948-8025
Mailing Address	City	State	Zip + 4
2625 River Road	Middletown	PA	17057
Email Address: <i>jack.barrett@exeloncorp.com</i>			
SECTION B. CONSULTANT (if applicable)			
Consultant - Last Name	First Name	MI	
Waugh	William	J	
Consulting Firm			
G.M. McCrossin, Inc			
Mailing Address	City	State	Zip + 4
2780 Benner Pike	Bellefonte	PA	16823
Telephone	FAX	Email	
(814) 574-0081	() -	wwaugh@gmmccrossin.com	

SECTION C. INSTRUCTIONS

If you have any questions concerning whether your project qualifies for GP-11 please contact your regional office (Exhibit B).

1. Prepare a project location map using the appropriate portion of the USGS 7½ Minute Quadrangle Map or other suitable mapping with the project site(s) identified. Number each activity making sure it corresponds with the activity number found in the Project Inventory Chart (Section D1).
2. **Project Description:** Describe the project in enough detail to allow Department to determine that the proposed work complies with both the terms and environmental and engineering conditions of the General Permit. (A project can be one structure or a series of structures that are related to one another located in one county.)

In early September 2011, Hurricane Lee deposited debris on the Three Mile Island Nuclear Station North

Bridge piers. The debris spans from the bank to pier 1 and on the upstream nose of piers 2-4, 7-9, 15 & 16.

G.M. McCrossin has entered into a contract with Exelon Generation to remove debris from span 1 and pier 1,

as well as remove debris from upstream nose of piers mentioned above. G. M. McCrossin will be placing

approximately 55tons of R-5 Rip Rap at the upstream nose of each pier 1-4 & 8-9 to prevent future debris

build up. The contract also includes concrete repair on the bridge parapet wall that will be done from the

bridge deck. To remove the debris and place the stone, G. M. McCrossin will be placing an excavator on

barges with a mechanical thumb. The debris will be towed to shore on a barge and will be removed from the

site. No debris is allowed downstream. Turbidity curtains will be placed downstream of the work area to catch

all debris that is not captured by excavator (see appendix plan drawing). The 2011 Bridge Inspection Report

prepared by C.S. Davidson, Inc including pictures of the site is attached.

(attach additional sheets if necessary)

3. Using the Project Inventory Chart (Section D1), list each water obstruction and/or encroachment that requires maintenance. Please fill out the row for each activity in its entirety. Please make sure the activity number corresponds with the area identified on the site location map.
4. If you are proposing a bridge or culvert replacement or the proposed work will change the waterway opening, please complete and provide the chart in Section D2. If the project consists of similar work (replacement or change in waterway opening) on more than one structure, submit the data requested in Section D2 for each structure included in this registration.
5. For bridges and culverts across a watercourse which are to be used by the general public such as an access to an industrial, commercial, or residential development, etc., plans, specifications and hydrologic and hydraulic reports shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.
6. For bridge or culvert replacements, activities that reduce the size of the waterway opening, or work on a structure that poses a threat to human life or a substantial potential risk to property, plans, specifications and hydrologic and hydraulic reports shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.
7. Submit 2 complete copies of the permit registration form and plans including all Erosion and Sediment Controls to the appropriate Regional Office.

SECTION D1. PROJECT INVENTORY For Dauphin County*

Activity Number*	Existing Permit Number and Type of Water Obstruction (Bridge, Culvert, Utility Stream Crossing, Utility Wetland Crossing)	Activity Type (Maintenance, testing, repair, rehabilitation, or replacement)	Earth Disturbance (sq. ft.)	Name of USGS Quadrangle Map	Municipality Where Project is Located	Name of Stream	Chapter 93 Stream Designation	Special PFBC Designation (Wild Trout, Stocked Trout, Migratory Fishes)
1	Bridge	Maintenance	0	York Haven, PA Quadrangle	Londonderry Twp	Susquehanna River	WWF, MF	WWF, MF
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

*For multiple structures attach additional sheets that provide the same information requested in the chart.

**The number used for a particular water obstruction from Section D1 should match the number in Section D2 for the same water obstruction.

SECTION D2. BRIDGE AND/OR CULVERT REPLACEMENT PROJECTS OR PROJECTS THAT CHANGE THE WATERWAY OPENING*

Activity Number**	Bridge/Culvert Existing						Bridge/Culvert Proposed					
	Waterway Opening (sq. ft.) (cross section/area)	Span (ft.)	Underclearance (ft.)	Length (ft.) (upstream to downstream)	Material Type (RCP, CMP, etc.)	Waterway Opening (sq. ft.) (cross section/area)	Span (ft.)	Underclearance (ft.)	Length (ft.) (upstream to downstream)	Material Type (RCP, CMP, etc.)		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												

*For multiple structures attach additional sheets that provide the same information requested in the chart.

**The number used for a particular water obstruction from Section D1 should match the number in Section D2 for the same water obstruction.

SECTION E. COMPLIANCE REVIEW

Yes No

Is the applicant (owner and/or operator) currently in violation of any permits issued by the Department?

If yes, please provide:

1. Permit Number: _____

2. Nature of the violation (if any): _____

3. Status of violation (i.e., schedule for compliance, etc.): _____

SECTION F. OTHER PERMITS

Yes No

Are any other Chapter 105 permits required for this project, excluding GP-8?

SECTION G. CERTIFICATION

I certify that the information provided in this permit registration is true and correct to the best of my knowledge and information.



Signature of Permittee
(Person Responsible for Installation, Operation
and Maintenance of Authorized Activity)

August 29, 2012
Date

Jack E. Barrett, Manager Maintenance Support TMI Unit 1

Type or Print Name

AN ACKNOWLEDGED COPY OF THIS GENERAL PERMIT AND THE EROSION AND SEDIMENT CONTROL PLAN REVIEWED BY THE DEP REGIONAL OFFICE MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.

SECTION H. REGISTRATION CHECKLIST

In order to register use of this General Permit, confirm the following:

N/A

- I/we have notified the Municipality and County.
- I/we hereby notify the Department that BDWM-GP-8, Temporary Road Crossing will also be utilized during the maintenance activity.

Please Submit:

- Completed Permit Registration Form.
- Completed Cumulative Impact Project Screening Form.
- LOCATION MAP. An 8 ½" by 11" photocopy of a portion of the U.S.G.S. 7 ½ Minute Quadrangle Map or suitable mapping with the project site(s) identified. Quadrangle Name: York Haven
- Wetland Information Data Sheets, Field Notes, or Photos of the wetland area.
- Engineering plan or sketch drawing that provides the necessary information.
- Project cross-section drawing.
- Completed copy of a PNDI Search Form with Search Receipt.
- For bridge or culvert replacements, activities that reduce the size of the waterway opening, or work on a structure that poses a threat to human life or a substantial potential risk to property, plans, specifications and hydrologic and hydraulics report shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.
- Erosion and Sediment Control Plan for earth disturbance activities
- Any existing Submerged Lands License Agreements

Please submit where required:

- Photographs – For projects involving a waterway opening, photos upstream and downstream of the existing structure are required.
- Bog Turtle Habitat Screening Form (where required). This screening is required for General Permits 5, 6, 7, 8, 9, and 11 which may impact wetlands in the following counties: Adams, Berks, Bucks, Carbon (Aquashicola Creek Watershed only), Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill (Swatara Creek Watershed only), and York.

SECTION 11. DRAWINGS/PLANS

1) Engineering drawings prepared and sealed by a Professional Engineer are required for the following types of projects:

- a) bridge and culvert replacements
- b) activities that reduce the size of the waterway opening
- c) bridges or culverts across a watercourse which are to be used by the general public
- d) work on a structure that poses a threat to human life or a substantial potential risk to property

2) Prepared plans or sketch plans maybe submitted for activities not listed in 1 a) through d).

*Please make sure the information below is provided on all engineering plans, drawings, and other prepared plans or sketch plan required for registration.

SECTION 12. DRAWINGS/PLANS CHECKLIST

YES	N/A		YES	N/A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Permanent Waters Impacts with Dimensions Total Length _____ Total sq. ft. _____ # of impacts _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stream Name <u>Susquehanna</u>
			<input checked="" type="checkbox"/>		Chapter 93 Stream Designation <u>WWF, MF</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary Stream Impacts _____ sq. ft. # of impacts _____	<input checked="" type="checkbox"/>		Location of Property Lines Relative to the Project
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland Acreage Onsite _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Existing Utilities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Permanent Wetland Impacts _____ sq. ft. # of impacts _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Utilities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary Wetland Impacts _____ sq. ft. # of impacts _____			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stream Limits and Flow Direction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Existing Buildings, Roadways, Other Structures
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Floodway Limits (if known)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Buildings, Roadways, Other Structures
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Limits of Earth Disturbance Associated with this Activity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Waters on project site (i.e. pond, lakes)
			<input checked="" type="checkbox"/>		Please indicate North
			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Please indicate photo locations

Use the next sheet for sketch if applicable

SKETCH PLAN
(if applicable)

Exelon - Three Mile Island Unit 1
Applicant Name

**DRAWINGS HAVE BEEN PREPARED
AND SUBMITTED SEPARATELY**

Scale 1" = _____ ft.

**DRAWINGS HAVE BEEN PREPARED
AND SUBMITTED SEPARATELY**

Exelon - Three Mile Island Unit 1
Applicant Name

PROJECT CROSS SECTIONS

Provide a cross section of the project if not included on the Engineering Drawings, showing the dimensions of the waterway opening, area of fill materials used, and other pertinent information necessary to accurately depict the scope of your project, and allow the Department to determine that the project complies with the terms and conditions of this General Permit.

**DRAWINGS HAVE BEEN PREPARED
AND SUBMITTED SEPARATELY**

**Attachment 2
Example Verification Completion Form
Page 1 of 1**

Verification Documentation

Correspondence/Letter number: 5532-2012-039 Origination Date: Aug 29, 2012
 Agency/External Stakeholder: PADEP Submittal Due Date: Aug 29, 2012
 Recipient of Correspondence: PADEP - WATERWORKS Management
(name and title if known)
 Purpose of Submittal: NORTH BRIDGE REPAIR GENERAL PERMIT
 Originating Office: Cantera Kennett Square Site TAT Unit #2
(specify)
 Preparer: W Waugh (GMMcGee's) Pre Lon 8-29-2012
(print) (sign) (date)
 Peer Reviewer: DR Cofy DR J 8-29-2012
(print) (sign) (date)
 Certified Mail Return Receipt Requested: Yes No

Approvals (check box if applicable)

	Applicable	Date Review Needed	Signature of Reviewer	Date of Review
Site Departments				
Chemistry	<input type="checkbox"/>			
Operations	<input type="checkbox"/>			
Engineering	<input type="checkbox"/>			
Regulatory Assurance	<input type="checkbox"/>			
Other: <u>Project Maintenance</u> <small>(specify)</small> <u>Wayne Southland</u>	<input checked="" type="checkbox"/>	<u>8/29/2012</u>	<u>Wayne Southland</u>	<u>8/29/12</u>
Corporate				
SME/FAM	<input type="checkbox"/>			
Site Management				
Plant Manager <u>J. B. ...</u>	<input checked="" type="checkbox"/>			
Site Vice President <u>Man of Maintenance Support</u>	<input checked="" type="checkbox"/>			
				<input type="checkbox"/> Report Signed and Approved

Attach additional page for comments.

EXHIBIT “C”



Excellence in Civil Engineering

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL PERMIT 11
MAINTENANCE, TESTING, REPAIR, REHABILITATION, OR REPLACEMENT OF
WATER OBSTRUCTIONS AND ENCROACHMENTS**

**EXELON GENERATION
2018 NORTH BRIDGE REPAIRS**

Located in
Londonderry Township,
Dauphin County

September 2018
Engineer's Project No. 4018.8.30.00

C. S. DAVIDSON, INC.
Consulting Engineers
38 North Duke Street
York, PA 17401

Phone No: (717) 846-4805
Fax No: (717) 846-5811

Table of Contents

Section D.1	Chapter 105 Water Obstructions and Encroachment General Permit Registration
Section D.2	Location Map
Section D.3	Color Photographs
Section D.4	Project Description**
Section D.5	Site Specific and/or Standard Drawings
Section D.6	Proposed Project Purpose
Section D.7	Erosion and Sediment Control Plan*
Section D.8	Pennsylvania Natural Diversity Inventory (PNDI)
Section D.9	Activities Which Impact Wetlands (NOT APPLICABLE)
Section E	Proposed Impacts

*See Section D.5 for applicable information.

*See Section D.6 for applicable information.

Section D.1

Chapter 105 Water Obstructions and Encroachment General
Permit Registration

Section D.1



CHAPTER 105 WATER OBSTRUCTIONS AND ENCROACHMENT GENERAL PERMIT REGISTRATION

SECTION A. APPLICANT INFORMATION					
<input type="checkbox"/> FERC Natural Gas Activity Docket Number _____ Type of Facility _____ Has a Water Quality Certification (WQC) request been sent to DEP? <input type="checkbox"/> Yes <input type="checkbox"/> No Activity Related to Oil & Gas Exploration, Production, Storage or Transmission					
Applicant's Name / Client Exelon Generation		DEP Client ID# (if known)		Employer ID# (EIN)	
Client Information - Please select Client Type / Code from drop down box under the correct entity shown to the right. (or may be written in) →		Government N/A non-applicable	Non-Government OTHER Other (Non-Govt)	Individual	
Mailing Address 2625 River Road		City Middletown	State PA	ZIP + 4 17057	
Contact Person – Last Name Velugubantla		First Srinivas	MI P	Telephone (717) 948-8394	
				Email Address SrinivasPradeep.Velugubantla@exeloncorp.com	
SECTION B. CONSULTANT INFORMATION (If applicable) <input type="checkbox"/> N/A					
Contact Person – Last Name Malesker		First Steve	MI S	Consultants Title Project Manager	
				Consulting Firm C.S. Davidson, Inc.	
Mailing Address 38 North Duke Street		City York	State PA	ZIP + 4 17401	
Telephone (717) 846-4805		Fax (717) 846-5811		Email SSM@csdavidson.com	
				Employer ID# (EIN)	
SECTION C. PROJECT INFORMATION					
Project / Site Name 2018 North Bridge Repairs		FERC Docket No. (if applicable)		DEP Site ID# (if known or leave blank)	
Client Relationship - Please select Site-to-Client Relationship/ Code from drop down box to the right. (or may be written in) →		Double-click on shaded area below to select correct Site-to-Client Relationship / Code ↓ OWN Owner			
County Dauphin	Municipality <input type="checkbox"/> City <input type="checkbox"/> Borough <input checked="" type="checkbox"/> Township Londonderry		Note: Municipal & County Notification is Required		
Site Location / Address 40.138225, -75.967032		City Narvon	State PA	ZIP + 4 17555	
Collection Method: <input type="checkbox"/> EMAP <input checked="" type="checkbox"/> HGIS <input type="checkbox"/> GISDR* <input type="checkbox"/> ITPMP <input type="checkbox"/> GPS <input type="checkbox"/> WAAS <input type="checkbox"/> LORAN Check the horizontal reference datum (or projection datum) employed in the collection method. EMAP and HGIS (PNDI) have known datum and do not require checking here. <input type="checkbox"/> NAD27 <input type="checkbox"/> NAD83 <input type="checkbox"/> WGS84 (GEO84) LAT.: 40.161718 LONG.: -76.720170					

NOTE: A Submerged Lands License Agreement (SLLA) with an annual fee, if applicable, may also be required for your project. You will be notified if an SLLA is required.

The [Aquatic Resources Impact Table](#) (SECTION E. PROPOSED IMPACTS) must be completed or equivalent submitted for this registration to be complete.

SECTION D. REGISTRATION CHECKLIST AND REQUIREMENTS

Please place an "X" next to each item (1-9) to ensure it is completed and/or provided.

Unless otherwise specified, all items are required to ensure a complete Registration package.

****Provide ONE (1) ORIGINAL and ONE (1) COPY of the Registration package** Municipality & County Notification:**

Please provide a copy of the Registration form to the Municipality & County in which the work will be performed. Proof of receipt is not required to be provided to DEP.

1. REGISTERING A GENERAL PERMIT (GP) check all that apply

- GP-1** Fish Habitat Enhancement Structures
Fee: \$50 per project
- GP-2** Small Docks & Boat Launching Ramps
Fee: \$175 _____
Please mark ("X") the specific type of project:
 - private recreational dock
 - access facility
 - public service facility
 - other private or commercial facility
- GP-3** Bank Rehabilitation, Bank Protection, and Gravel Bar Removal
Fee: \$250
- GP-4** Intake and Outfall Structures
Fee: \$200
- GP-5** Utility Line Stream Crossing
Fee: \$250
- GP-6** Agricultural Crossings & Ramps
Fee: \$50
- GP-7** Minor Road Crossings
Fee: \$350
- GP-8** Temporary Road Crossings
Fee: \$175
- GP-9** Agricultural Activities public
Fee: \$50 per project
- GP-10** Abandoned Mine Reclamation
Fee: \$500 per project
- GP-11** Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments (reviewed by DEP Regional Office only)
Fee: \$750
 - Temporary Disturbance \$400/ .1 acre
 - Permanent Disturbance \$800/ .1 acre
- GP-15** Private Residential Construction in Wetlands
Fee: \$750
 - Temporary Disturbance \$400/ .1 acre
 - Permanent Disturbance \$800/ .1 acre

Disturbance Fees associated with GP's 11 and 15 are rounded up to the next tenth.

Example: .103 = .2 acre = \$800 temporary disturbance.

*****See Chapter 105 FEE(S) Calculation Worksheet for Explanation of Fees***
Federal, state, county, municipal agencies or municipal authorities FEE EXEMPT**

	Applicant Entry	DEP Use Only
2. Location Map (USGS quad map) with project site marked:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Color Photographs with dates, locations, and descriptions: <input type="checkbox"/> GP-3 <input checked="" type="checkbox"/> GP-11 <input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Project Description: (Example: Linear pipeline project using multiple GP-5's and GP-8's; One GP-7 for an access road to my property) GP-11 for Three Mile Island North Bridge repairs and debris removal _____ _____ _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Site Specific and/or Standard Drawings depicting the project's GP activities. Activities that qualify for GP-7 or GP-11 Plans, specifications, and reports for bridges and culverts across a stream which are to be used by the general public such as an access to an industrial, commercial or residential development, etc., shall be prepared by a registered professional engineer and shall be affixed with their seal and certification which shall read as follows: <i>"I (name) do hereby certify pursuant to the penalties of 18 Pa. C.S.A. Sec. 4904 to the best of my knowledge, information and belief, that the information contained in the accompanying plans, specifications, and reports has been prepared in accordance with accepted engineering practice, is true and correct, and is in conformance with Chapter 105 of the rules and regulations of the Department of Environmental Protection."</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Proposed Project Purpose depicting the site of the projects GP activities and impacts. (See Section E.) Briefly discuss the need for the authorization	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Erosion & Sediment Control Plan (E&S Plan) (Required for all GP's but specifically required with submission with a registration of GP-11 or GP's for oil and gas related activities submitted to DEP)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Pennsylvania Natural Diversity Inventory (PNDI): PNDI Search Receipt and clearance letters, if available. See additional requirements for submission with Avoidance Measures and/or Potential Impacts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Activities which impact wetlands: (For State Regulated Impacts) Please place an "X" next to the appropriate box indicating the information provided: <ul style="list-style-type: none"> ➤ N/A because no wetland impacts are proposed or no compensatory mitigation is necessary. <input checked="" type="checkbox"/> ➤ A wetland delineation with complete data sheets in accordance with the 1987 Corps of Engineers Wetland Delineation Manual AND the appropriate Regional Supplements to the Corps of Engineers Wetland Delineation Manual for use in Pennsylvania. <input type="checkbox"/> ➤ If direct or indirect wetland impacts are greater than 0.05 acres, a compensatory mitigation plan in accordance with the Department's Replacement criteria which provides compensation for both affected acreage and functions at a minimum one to one ratio. <input type="checkbox"/> ➤ If compensatory mitigation onsite is determined not feasible: <input type="checkbox"/> A check, number _____, in the amount of \$ _____ payable to the National Fish and Wildlife Foundation, N.A. 1237, as compensatory mitigation for _____ acres of impact in wetlands, in accordance with the Pennsylvania Wetland Replacement Project. <input type="checkbox"/> <p align="center">(Additional Mitigation May Be Required by Army Corps) <input type="checkbox"/></p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOTE: If the Pennsylvania Wetland Replacement Fund is proposed to be used as compensatory mitigation for waters of the Commonwealth the Army Corps of Engineers may also require additional mitigation if the proposed activity impacts waters of the United States.		

SECTION F. CERTIFICATION

I certify under penalty of law that the information provided in this permit registration is true and correct to the best of my knowledge and information and that I possess the authority to undertake the proposed action. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (If any of the information and/or plans is found to be in error, falsified, and/or incomplete, this authorization/verification may be subject to modification, suspension, or revocation in accordance with applicable regulations.) I further certify that this project complies with all the conditions of the general permit.

Signature of Applicant / Owner _____
Date

Typed / Printed Name

Typed / Printed Title

This General Permit shall not be effective until the owner has had their E&S Plan reviewed by the appropriate Regional Office or District, and, where required, obtained an SLLA from DEP.

THIS ACKNOWLEDGED COPY OF THIS GENERAL PERMIT REGISTRATION PACKAGE AND THE E&S PLAN MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.

SECTION G. DECISION / DISPOSITION – COMPLETED BY DEP

Decision Review:

DEP / District Reviewer Signature GP _____

Reviewer's Typed / Printed Name GP _____

NOTE: See Aquatic Resource Impact Table for any additional authorizations.

Disposition Status

Comments

- | | | |
|---|---|-------|
| <input type="checkbox"/> ACKNOWLEDGED | Date _____ | _____ |
| SLLA Required | <input type="checkbox"/> Yes Attached <input type="checkbox"/> No | _____ |
| <input type="checkbox"/> INCOMPLETE / DEFICIENCY | Date _____ | _____ |
| <input type="checkbox"/> EXTENSION REQUEST | Date _____ | _____ |
| <input type="checkbox"/> WITHDRAWN | Date _____ | _____ |

NOTE: If the GP registration information is incomplete a copy of this registration form and requested additional information will be sent to the applicant. A copy of the returned registration form and additional information must be re-submitted within 60 calendar days unless extended by the extension date listed above.

FEDERAL AUTHORIZATION

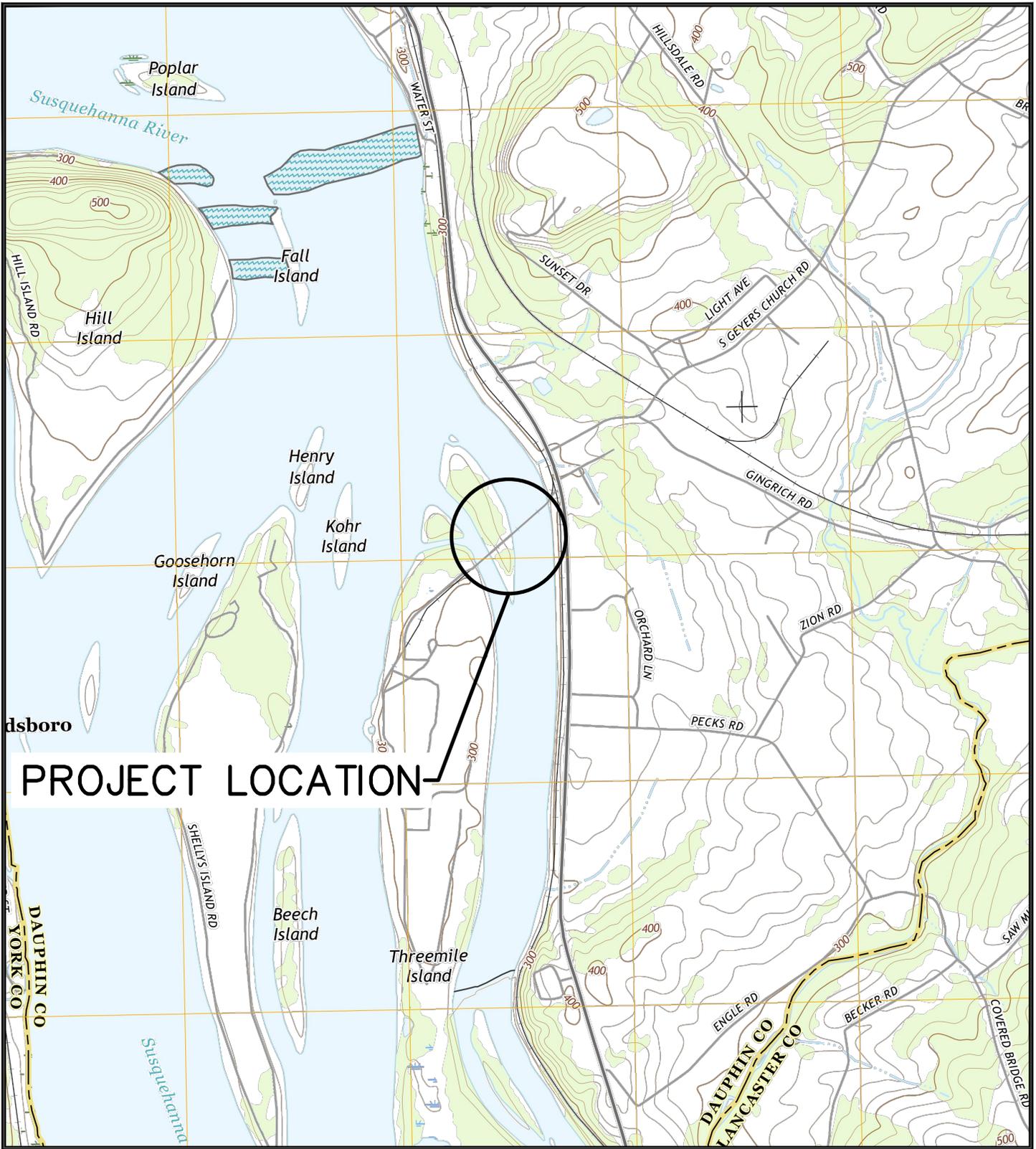
- Non-reporting PASPGP verification / authorization attached.
- Reporting – A copy of this General Permit registration package has been sent to the U.S. Army Corps of Engineers. Separate federal authorization may be required

NOTE: Please be advised that if the reporting box is checked you do not have Federal authorization for this project and such authorization may be required prior to starting your project. In accordance with Section 404 of the Clean Water Act, a Department of the Army authorization is required for the discharge of dredged and/or fill material into waters of the United States, including jurisdictional wetlands. Section 10 of the Rivers and Harbors Act also requires Department of the Army authorization for any work in, over, or under a navigable water of the United States. In accordance with procedures established with the U.S. Army Corps of Engineers, you will be contacted directly by the Corps regarding Federal Authorization.

Section D.2
Location Map

Section D.2

K:\401883000\Design\Permits\GP-11\USGS.dwg, 9/5/2018 9:28:23 AM



PROJECT LOCATION

EXELON GENERATION



Excellence in Civil Engineering

35 N. DECATUR ST., YORK, PA • PHONE (717) 846-7805 • FAX (717) 846-1801
 90 WEST MIDDLE ST., GETTYSBURG, PA • PHONE (717) 337-3021 • FAX (717) 337-0782
 315 W. JAMES ST., SUITE 102, LANCASTER, PA • PHONE (717) 481-7531 • FAX (717) 481-6534
 WWW.CSDAVIDSON.COM

THREE MILE ISLAND
 2018 NORTH BRIDGE REPAIRS
 USGS MIDDLETOWN QUADRANGLE

LONDONDERRY TWP DAUPHIN COUNTY, PENNSYLVANIA

DRAWN BY	TJC
CHECKED BY	
SCALE	1" = 2,000'
DATE	8/29/2018
DWG. NO.	USGS
FILE NO.	4018.8.30.00

Section D.3
Color Photographs

Section D.3



Photo No. 1 - Upstream elevation



Photo No. 2 - Downstream elevation



Photo No. 3 - South approach



Photo No. 4 - North approach



Photo No. 5 - Span 2, cross bracing at Pier 2



Photo No. 6 - Span 3, northwest gusset plate



Photo No. 7 - Typical drainage system under expansion joint



Photo No. 8 - Pier 7 and 8 debris

Section D.5
Site Specific and/or Standard Drawings

Section D.5



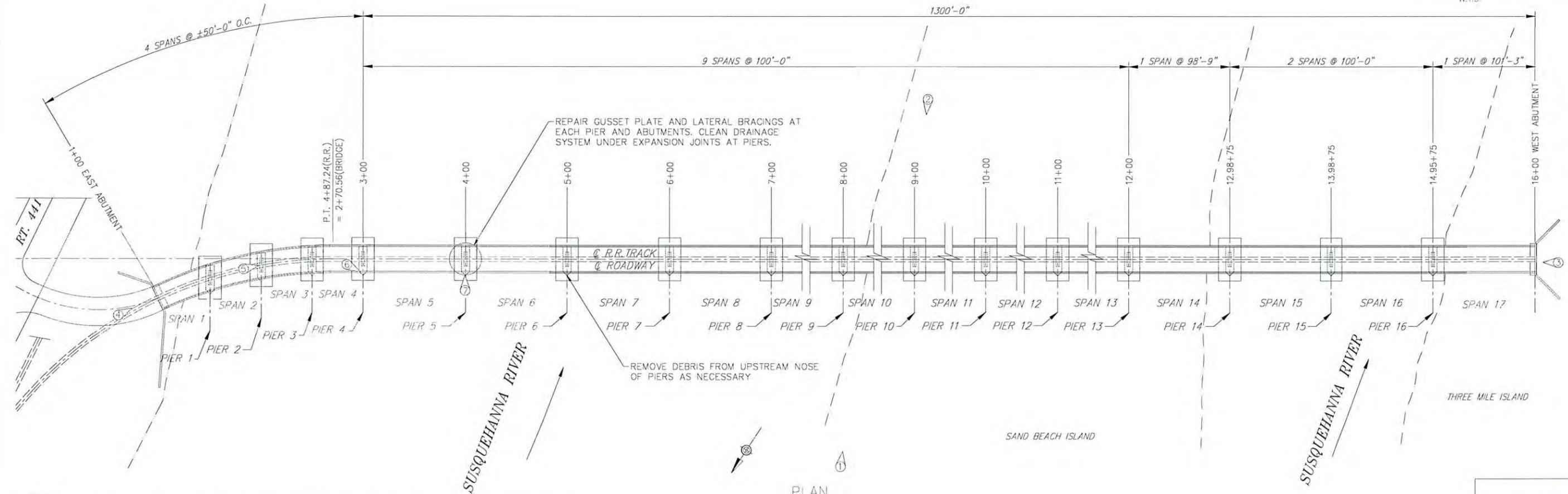
PENNSYLVANIA ONE CALL SYSTEM, INC.
 DESIGN STAGE NOTIFICATION
 FEBRUARY 28, 2017
 SERIAL NO. 20170440386

NOTE:
 INFORMATION CONCERNING UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITY OWNERS, AND TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES, PRIOR TO EXCAVATION BY USE OF POWER-OPERATED EQUIPMENT.

LEGEND

SLANT TEXT	EXISTING CONDITIONS
BLOCK TEXT	PROPOSED WORK
	STREAM FLOW DIRECTION
	ROAD CENTERLINE
	EDGE OF STREAM
	LIMIT OF DISTURBANCE
	PHOTO LOCATION AND ORIENTATION

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-0	YORK		BRG	1 OF 3
MUNICIPALITY				
REVISION NUMBER	REVISIONS			DATE BY



- NOTES:**
1. WORK SHOULD OCCUR DURING LOW STREAM FLOWS AND COMPLY WITH ALL DEP PERMIT CONDITIONS.
 2. THE PROJECT LIMIT ARE LOCATED WITHIN A FEMA DELINEATED ZONE AE HAZARD AREA, AS SHOWN ON MAP NO. 42043C0461D, EFFECTIVE 8/2/2012, AND MAP NO. 42043C0462D, EFFECTIVE 8/2/2012. ALL WORK WILL OCCUR WITHIN FEMA REGULATORY FLOODWAY LIMITS.
 3. ANY AND ALL MATERIAL STORAGE SHALL OCCUR OUTSIDE OF THE FLOODWAY.
 4. THERE ARE NO PERMANENT IMPACTS TO THE STREAM OR FLOODWAY ANTICIPATED. THE HYDRAULIC OPENING SHALL MATCH THE EXISTING.
 5. PROVIDE PROTECTION FOR DECK DRAINS TO PREVENT MATERIAL FROM ENTERING THE WATERCOURSE.
 6. PROJECT LOCATION IS ON PROPERTY OF EXELON CORPORATION.
 7. A BALD EAGLE NEST IS LOCATED WITHIN 1000 FEET OF THE PROJECT LOCATION. ANY ACTIVITY WITHIN 660 FEET OF THE NEST SHALL NOT OCCUR BETWEEN JANUARY 1 AND JULY 31 (BREEDING SEASON). THERE ARE NO PROPOSED ACTIVITIES THAT WILL OCCUR WITHIN 660 FEET OF THE NEST.

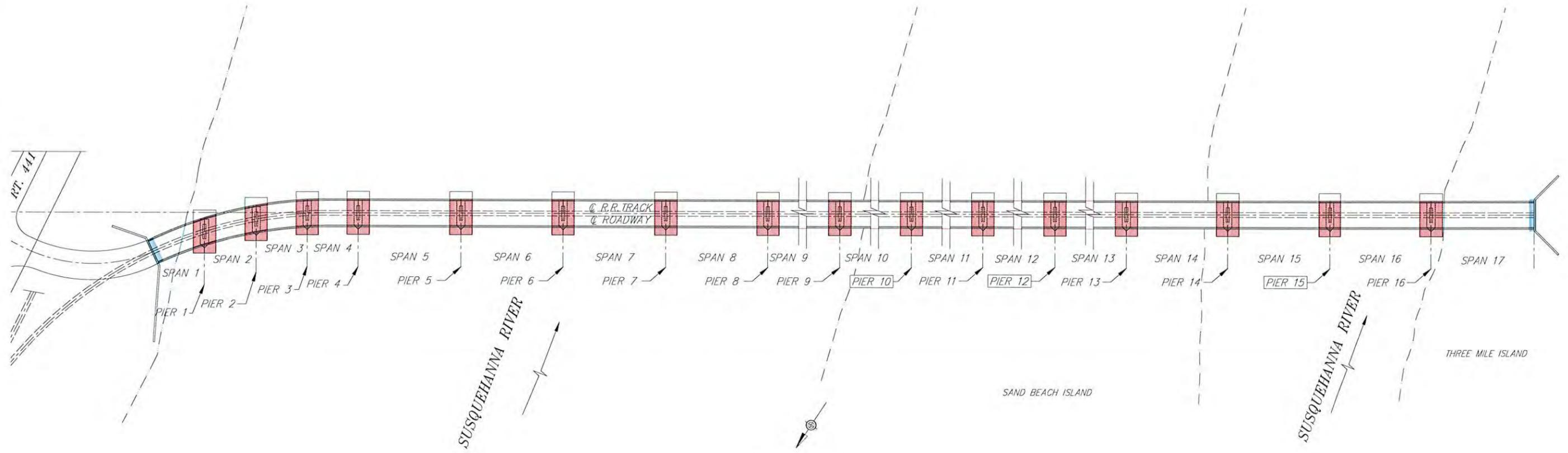
PLAN
 SCALE: 1"=50'-0"

REGISTERED PROFESSIONAL ENGINEER'S CERTIFICATION
 I, SCOTT MALESKER, DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A. SEC. 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 105 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



K:\101000000\p00\Structural\101000000_01-11.dwg, 10/31/2016 2:05:30 PM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-0	YORK		BRG	2 OF 3
MUNICIPALITY				
REVISION NUMBER	REVISIONS			DATE BY



IMPACTS PLAN
SCALE: 1"=50'-0"

LEGEND

- TEMPORARY IMPACTS TO STREAM (12,226.5 SQ.FT. -OR- 0.28 ACRES)
- TEMPORARY IMPACTS TO FLOODWAY* (367.2 SQ.FT. -OR- 0.001 ACRES)

* FLOODWAY IS AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP NO. 42133C0342F. FLOODWAY IMPACTS INCLUDE WATERCOURSE IMPACTS FOR PADEP/105 AQUATIC RESOURCE IMPACTS. ALL WORK WILL OCCUR WITHIN FEMA REGULATORY FLOODWAY

NOTES:
DIMENSIONS SHOWN ON PLAN ARE APPROXIMATE DUE TO THE IRREGULAR SHAPE OF THE DISTURBED AREAS. AREA VALUES HAVE BEEN DIGITALLY DELINEATED UTILIZING AUTOCAD CIVIL 3D.
HYDRAULIC OPENING SHALL REMAIN THE SAME AS EXISTING. THERE ARE NO PERMANENT IMPACTS ANTICIPATED.

8-31-18

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-0	YORK		BRG	3 OF 3
MUNICIPALITY				
REVISION NUMBER	REVISIONS			DATE BY

CONSTRUCTION SEQUENCE

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. ANY DEVIATION FROM THE FOLLOWING SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT.

- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, AND THE E&S PLAN PREPARER TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL FIELD MARK THE LIMITS OF DISTURBANCE FOR ALL WORK AND ALL WATERS OF THE COMMONWEALTH BOUNDARIES (EX. STREAM BUFFERS, WETLAND BOUNDARIES, SPRING SEEPS, AND FLOODWAY) PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR TO CLEAR AND GRUB AREAS ONLY REQUIRED TO BE CLEARED BY THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL STRIP TOPSOIL AS NEEDED AND STOCKPILE AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL REMOVE THE DEBRIS FROM PIERS 3, 5, 6, 7, 8, AND 15. THE CONTRACTOR SHALL REMOVE ANY ADDITIONAL ACCUMULATION OF DEBRIS NOT NOTED ALONG THE PIERS AS PART OF THE CONTRACTOR.
- THE CONTRACTOR SHALL CLEAN DEBRIS FROM DRAINAGE SYSTEM UNDER EXPANSION JOINTS AT THE PIER. DEBRIS FROM THE DRAINAGE SYSTEM MAY NOT ENTER THE RIVER.
- THE CONTRACTOR SHALL REPAIR THE CROSS BRACINGS AND GUSSET PLATES OVER EACH PIER AND ABUTMENT. REPAIRS SHALL NOT IMPACT THE EXISTING HYDRAULIC OPENING.

NOTE:

THE ORDER OF THE ABOVE SCHEDULE IS SUBJECT TO CHANGE DUE TO SPECIFIC SITE CONDITIONS AND CONSTRUCTION METHODS. ANY CHANGES SHOULD BE MADE UNDER THE DIRECT SUPERVISION OF THE DAUPHIN COUNTY CONSERVATION DISTRICT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE DAUPHIN COUNTY CONSERVATION DISTRICT 72 HOURS PRIOR TO CONSTRUCTION AND 72 HOURS PRIOR TO LEAVING THE SITE.

DAUPHIN COUNTY CONSERVATION DISTRICT
1451 PETERS MOUNTAIN ROAD
DAUPHIN, PA 17018
(717) 921-8100

SOIL EROSION & SEDIMENTATION CONTROL NOTES

- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE LOCAL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE DISTRICT MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER A VEGETATED AREAS.
- FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAM LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1, AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIAL SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE THE SITES RECEIVING THE EXCESS HAS AN APPROVED AND FULLY IMPLEMENTED EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE OR FEDERAL REGULATIONS.
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)
- ANY PLACEMENT OF CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.
- ENVIRONMENTAL DUE DILIGENCE MUST BE PERFORMED TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECT TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF CLEAN FILL."
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.

SOIL LIMITATIONS AND RESOLUTIONS

- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

MAINTENANCE PROGRAM

- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- ALL SEDIMENT REMOVED FROM BMPS WILL BE RETURNED TO UPLAND AREAS ON SITE AND INCORPORATED INTO THE SITE GRADING.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION
- THE PERMITTEE AND CO-PERMITTEE MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION TO THE WATERS OF THE COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
 - A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
 - THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.

STABILIZATION SPECIFICATIONS

- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED 4 DAYS, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATIONS SHOWN ON THE PLAN DRAWINGS IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2 HORIZONTAL:1 VERTICAL OR FLATTER.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 INCHES ON COMPACTED SOILS - PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION. COMPACTED SOILS SHOULD BE SCARIFIED 6 TO 12 INCHES ALONG CONTOUR WHENEVER POSSIBLE PRIOR TO SEEDING.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
- AN EROSION CONTROL BLANKET WILL BE INSTALLED ON ALL DISTURBED SLOPES 3:1 OR STEEPER, ALL AREAS OF CONCENTRATED FLOWS, AND DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER.
- E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- STRAW AND HAY MULCH SHOULD BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL. THIS METHOD IS LIMITED TO SLOPES NO STEEPER THAN 3:1. THE MACHINERY SHOULD BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.)
- ASPHALT, EITHER EMULSIFIED OR CUT-BACK, CONTAINING NO SOLVENTS OR OTHER DILUTING AGENTS TOXIC TO PLANT OR ANIMAL LIFE, UNIFORMLY APPLIED AT THE RATE OF 31 GALLONS PER 1000 SQ. YD. MAY BE USED TO TACK MULCH.
- SYNTHETIC BINDERS (CHEMICAL BINDERS) MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.
- LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- TRACKING SLOPES IS REQUIRED BY RUNNING TRACKED MACHINERY UP AND DOWN THE SLOPE, LEAVING TREAD MARKS PARALLEL TO THE CONTOUR. (NOTE: IF A BULLDOZER IS USED, THE BLADE SHALL BE UP.) CARE SHOULD BE EXERCISED ON SOILS HAVING A HIGH CLAY CONTENT TO AVOID OVER-COMPACTION.



National Flood Hazard Layer FIRMMette

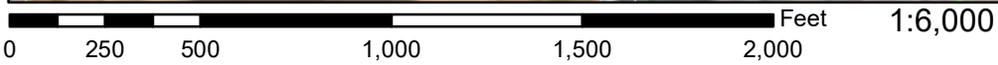


40°9'53.58"N

76°43'32.04"W



USGS The National Map: Orthoimagery. Data refreshed October 2017.



40°9'26.09"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/29/2018 at 2:23:20 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

76°42'54.59"W



Section D.6
Proposed Project Purpose

Section D.6

Section D.6 Proposed Project Purpose

This proposed project involves the maintenance and repairs to the existing Three Mile Island North Bridge over the Susquehanna River (WWF, MF) in Londonderry Township, Dauphin County, PA. The structure is a seventeen-span steel girder and concrete deck bridge. The hydraulic opening of the structure will not be impacted. Repairs include debris removal at the piers, gusset plate repairs over each pier, lateral bracing repairs, and cleaning of the drainage system under each expansion joint. No debris will be allowed to enter the Susquehanna River upon cleaning the drainage systems.

All proposed work will occur within FEMA regulatory floodway limits. The proposed work will occur during low stream flows and comply with all DEP permit conditions. Permanent and temporary impacts have been kept to a minimum and are shown on the attached Aquatic Resource Impact Table. There are no wetlands on the project site.

Section D.8
Pennsylvania Natural Diversity Inventory (PNDI)

Section D.8

1. PROJECT INFORMATION

Project Name: **Three Mile Island Bridge**

Date of Review: **8/28/2018 03:04:46 PM**

Project Category: **Transportation, Structures and Bridges, Bridge Preservation, Restoration and/or Rehabilitation**

Project Area: **6.18 acres**

County(s): **Dauphin**

Township/Municipality(s): **LONDONDERRY**

ZIP Code: **17057**

Quadrangle Name(s): **MIDDLETOWN**

Watersheds HUC 8: **Lower Susquehanna-Swatara**

Watersheds HUC 12: **Laurel Run-Susquehanna River**

Decimal Degrees: **40.161718, -76.720170**

Degrees Minutes Seconds: **40° 9' 42.1850" N, 76° 43' 12.6137" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Avoidance Measure	See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Three Mile Island Bridge

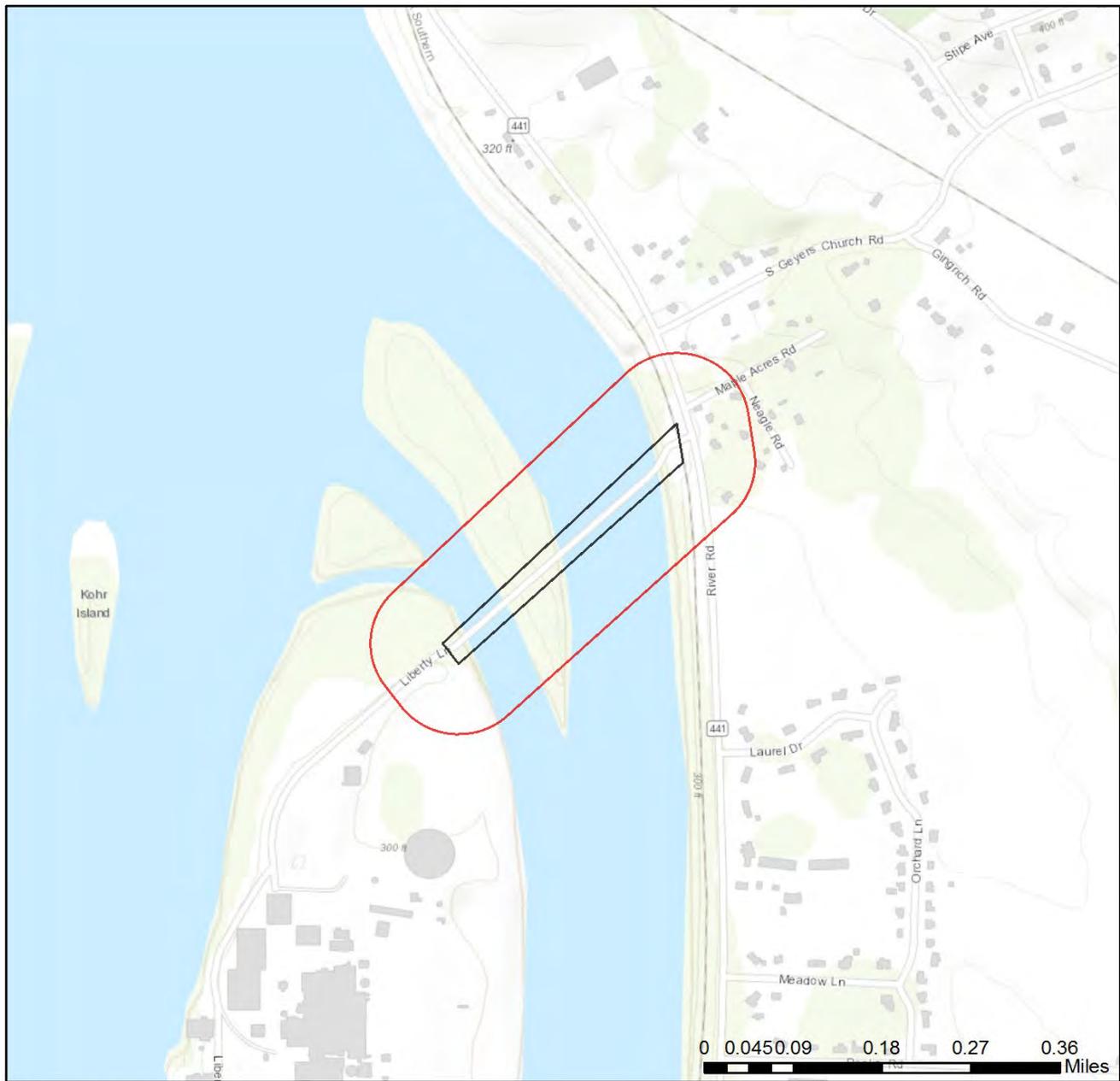


- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community

Three Mile Island Bridge



- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

Information Request: Due to the proximity of this project to a bald eagle nest, it is possible that project activities may disturb bald eagles, which is a form of "take" under the Bald and Golden Eagle Protection Act and may require a permit. The Service has prepared a project screening form to help you determine which specific measures may be necessary to avoid disturbing bald eagles and their nests, based on the type and scope of your proposed project or activity, and its distance from a bald eagle nest. Complete the "Bald Eagle Project Screening Form" (see https://www.fws.gov/northeast/pafo/pdf/Bald_Eagle_Project_Screening_Form_102716.pdf) and implement the measures identified on that form. Submit a copy of the completed Screening Form to the appropriate federal or state permitting agencies (e.g., PA DEP).

As the project proponent or applicant, I certify that I will implement the above Avoidance Measure:

_____ (Signature)

SPECIAL NOTE: If you agree to implement the above Avoidance Measure, no further coordination with this agency regarding threatened and endangered species and/or special concern species and resources is required. If you are not able to comply with the Avoidance Measures, you are required to coordinate with this agency - please send project information to this agency for review (see "What to Send" section).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Srinivas Pradeep Velugubantla
Company/Business Name: Exelon Generation
Address: 2625 River Road
City, State, Zip: Middletown, PA 17057
Phone: (____) 717-948-8394 Fax: (____) _____
Email: SrinivasPradeep.Velugubantla@exeloncorp.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

applicant/project proponent signature

date

Bald Eagle Project Screening Form

Bald eagles are unlikely to be disturbed by routine use of roads, homes or other facilities where such use occurred prior to or during the successful breeding of an eagle pair. This guidance is specific to new or intermittent activities in Pennsylvania, and is based on the **National Bald Eagle Management Guidelines**. The *Guidelines*, along with other eagle information, are available at <http://www.fws.gov/northeast/EcologicalServices/eagle.html>.

The *Guidelines* will help you determine which specific measures are needed to avoid disturbing breeding and nesting bald eagles, based on the type and scope of your proposed project or activity, and its distance from a bald eagle nest. Before you begin, determine exactly where your proposed project occurs with respect to known bald eagle breeding territories (see **Bald Eagle Nest Sites in Pennsylvania** (http://www.fws.gov/northeast/pafo/bald_eagle.html)). Note that this form does not address the potential for a project or activity to disturb foraging or roosting bald eagles, especially when foraging or roosting takes place outside of nesting territories.

PROJECT INFORMATION

State: Pennsylvania County: _____ PNDI # _____

Lat/long (decimal degrees): _____ Size: _____ acres/miles

Project Name: _____

PROJECT CONTACT INFORMATION

Name: _____ Phone: _____

Address: _____

Email: _____

PROJECT ACTIVITY CATEGORY(S)

Place a check next to all of the activities that are proposed. Activities are grouped based on the nature and magnitude of impacts to bald eagle nests.

- Construction and Development Activities → go to pages 2 and 3
- Maintenance and Restoration Activities → go to pages 4 and 5
- Timber Operation and Forestry Practices → go to page 6
- Use of Helicopters or Fixed-wing Aircraft → go to page 7
- Blasting or Other Loud, Intermittent Noises (including Fireworks) → go to page 8
- Recreational Activities → go to page 9

Construction and Development Activities

Which construction or development activities will be carried out? (check all that apply)

- Building construction
- Construction of roads, trails, canals, power lines, pipelines and other linear utilities
- Agriculture or aquaculture – new or expanded operations
- Alteration of shorelines or wetlands
- Installation of docks or moorings
- Water impoundment or withdrawal
- Mining
- Oil and natural gas drilling and refining
- Installation or expansion of marinas with a capacity of 6 or more boats

Are any bald eagle nests visible from the project or activity area? Before going on site to determine nest visibility with the naked eye and with 4X binoculars, determine the location of the breeding territory (see map of **Bald Eagle Nest Sites in Pennsylvania**). The breeding territory may include multiple eagle nests.

- Yes → Stop. Implement Avoidance Measures **(AM) 2 and 5** (see page 3)
- No → Go to the next question

Which category(s) most closely fits your proposed project or activity? (check all that apply)

- Building construction, 1 or 2 story, with a project footprint of ½ acre or less
- Construction of roads, trails, canals, power lines, or other linear utilities
- Agriculture or aquaculture – new or expanded operations
- Alteration of shorelines or wetlands
- Installation of docks or moorings
- Water impoundment or withdrawal

→ Implement **AM 3, 4 and 5** (p. 3)

- Building construction or expansion, 3 or more stories
- Building construction or expansion, 1 or 2 story, with project footprint more than ½ acre
- Mining
- Oil and natural gas drilling and refining
- Installation or expansion of marinas with a capacity of 6 or more boats

→ Go to the next question

Is there a similar activity within 1 mile of the nest?

- Yes → Stop. Implement **AM 3, 4 and 5** (see page 3)
- No → Implement **AM 1 and 5** (see page 3)

AVOIDANCE MEASURES (AM) – Based on your responses to the questions posed for Construction and Development Activities, specific measures were recommended to avoid disturbing bald eagles and their young. **Place a check mark next each avoidance measure (AM) that was recommended above and will be implemented.**

- AM 1 – A distance **buffer of at least 660 feet** (200 meters) will be maintained between all project activities and the nest (including alternate¹ nests).
- AM 2 – A distance **buffer of at least 660 feet** (200 meters) will be maintained between all project activities and the nest (including alternate nests). If a similar activity (i.e., similar in kind and size) is closer than 660 feet and has been tolerated by eagles, 1) the distance buffer will be the same or greater than that of the existing tolerated activity, and 2) between the modified distance buffer and 660 feet, all activities that may disturb bald eagles will be avoided from January 1 to July 31. These activities include, but are not limited to: construction, excavation, use of heavy equipment, use of loud equipment or machinery, vegetation clearing, earth disturbance, planting, and landscaping.
- AM 3 – A distance **buffer of at least 330 feet** (100 meters) will be maintained year-round between all project activities and the nest (including alternate nests). If a similar activity (i.e., similar in kind and size) is closer than 330 feet and has been tolerated by eagles, the distance buffer will be the same or greater than that of the existing tolerated activity.
- AM 4 – Within **660 feet** of the nest², all activities that may disturb bald eagles will be avoided from **January 1 to July 31**. These activities include, but are not limited to: construction, excavation, use of heavy equipment, use of loud equipment or machinery, vegetation clearing, earth disturbance, planting, and landscaping.
- AM 5 – Established landscape buffers that screen the activity from the nest will be maintained.

Will the proposed activity include ALL of the recommended measures to avoid disturbance of bald eagles and their young for a project of this type?

- YES – All recommended avoidance measures will be followed.

(signature)

(date)

U.S. Fish and Wildlife Service Determination: Disturbance of bald eagles is unlikely to occur. You may print pages 1-3, then sign and date it for your records. This will serve as documentation that you are following the U.S. Fish and Wildlife Service's recommendations for avoiding disturbance of bald eagles.

- NO – One or more recommended avoidance measures will not be followed.

U.S. Fish and Wildlife Service Determination: Your action may disturb bald eagles. If you would like further assistance in determining whether bald eagles may be disturbed, contact the Service's Northeast Regional Bald and Golden Eagle Coordinator at 413-253-8577 or Thomas_Wittig@fws.gov.

¹ An alternate nest is a nest that is built or maintained by eagles, but not used for nesting in a given year.

² This seasonal restriction applies to activities outside the distance buffer identified in AM 3 (e.g., in the zone from 330 feet to 660 feet from the nest).

Maintenance and Restoration Activities

This category includes outdoor maintenance of existing structures or infrastructure, where the maintenance activity is temporary and obtrusive (e.g., requires use of heavy equipment or loud machinery). It assumes maintenance activities will occur within the previously-disturbed footprint of the structure or infrastructure. If maintenance is proposed outside the previously-disturbed footprint, see **Construction and Development Activities** (pages 2 and 3). This category does not include routine, ongoing activities to which bald eagles have already exhibited a tolerance (e.g., lawn mowing; plowing, planting or harvesting of agricultural fields; etc.).

This category also includes the maintenance and restoration of natural habitats (e.g., wetlands, streams, rivers, non-forested uplands), as human activities associated with habitat restoration or maintenance may disturb eagles if carried out during the breeding season.

Which maintenance or restoration activities will be carried out? (check all that apply)

- Maintenance of linear utilities (e.g., power lines, pipelines, water and sewer lines)
- Road, bridge or culvert maintenance
- Trail, campground or recreational area maintenance
- Maintenance of oil and gas wells, well pads, and storage tanks
- Maintenance of dams, levees, berms, canals and other water-control structures
- Pond, lake or reservoir maintenance (draw downs, dredging)
- Stream or stream bank maintenance /restoration (e.g., stream bank fencing, stream bank stabilization, livestock crossings, in-stream habitat improvements, channel maintenance, dredging)
- Wetland maintenance / restoration (e.g., invasive plant control, restoration of hydrology)
- Upland habitat maintenance / restoration (e.g., planting or cutting of vegetation, invasive plant control, trash cleanup, abandoned mine lands restoration). This does not include activities in forests/woodlands (see **Timber Operation and Forestry Practices**) or in agricultural fields.

The following measures are necessary to avoid disturbing bald eagles and their young. Place a check mark next to each measure that will be implemented.

- From **January 1 to July 31** (the breeding season), all activities that may disturb bald eagles will be avoided within **660 feet** (200 meters) of the nest. This includes, but is not limited to the following: construction, excavation, use of heavy equipment, use of loud equipment or machinery, vegetation clearing, earth disturbance, planting, landscaping, and habitat restoration activities.
- Established landscape buffers that screen the activity from the nest will be maintained.
- If prescribed burning is necessary during the breeding season (January 1 to July 31), burns will only be conducted when adult eagles and young are absent from the nest tree (i.e., at the beginning of, or end of, the breeding season, either before the particular nest is active or after the young have fledged from that nest). Leaves and woody debris will be raked from around the nest tree to prevent crown fire or fire climbing the nest tree.

Will the proposed activity include ALL of the avoidance measures listed above?

- YES – All recommended avoidance measures will be followed.

(signature)

(date)

U.S. Fish and Wildlife Service Determination: Disturbance of bald eagles is unlikely to occur. You may print pages 1, 4 and 5, then sign and date it for your records. This will serve as documentation that you are following the U.S. Fish and Wildlife Service's recommendations for avoiding disturbance of bald eagles.

- NO – One or more recommended avoidance measures will not be followed.

U.S. Fish and Wildlife Service Determination: Your action may disturb bald eagles. If you would like further assistance in determining whether bald eagles may be disturbed, contact the Service's Northeast Regional Bald and Golden Eagle Coordinator at 413-253-8577 or Thomas_Wittig@fws.gov.

Timber Operation and Forestry Practices

The following measures are necessary to avoid disturbing bald eagles and their young. Place a check mark next to each measure that will be implemented.

- No clear-cutting or overstory tree removal will occur within 330 feet (100 meters) of the nest at any time of the year.
- From January 1 to July 31 (the breeding season), no timber harvest operations, road construction, chain saw use or yarding operations will occur within 660 feet (200 meters) of the nest. Around alternate nests (including nests that were attended during the current breeding season but not used to raise young), this distance may be decreased to 330 feet, provided the eggs laid in another nest within the territory have hatched.
- Log transfer facilities and in-water log storage areas will not be constructed or operated within 330 feet (100 meters) of nests at any time of the year.
- Selective thinning and other silviculture management practices designed to conserve or enhance habitat, including prescribed burning close to the nest tree, will only be carried out from August 1 to December 31 (outside the breeding season).
- If prescribed burning is necessary during the breeding season (January 1 to July 31), burns will only be conducted when adult eagles and young are absent from the nest tree (i.e., at the beginning of, or end of, the breeding season, either before the particular nest is active or after the young have fledged from that nest). Leaves and woody debris will be raked from around the nest tree to prevent crown fire or fire climbing the nest tree.

Will the proposed timber operation or forestry practice include ALL of the avoidance measures listed above?

- YES – All avoidance measures will be followed.

(signature)

(date)

U.S. Fish and Wildlife Service Determination: Disturbance of bald eagles is unlikely to occur. You may print page 1 and this page, then sign and date it for your records. This will serve as documentation that you are following the U.S. Fish and Wildlife Service's recommendations for avoiding disturbance of bald eagles.

- NO – One of more avoidance measures will not be followed.

U.S. Fish and Wildlife Service Determination: Your action may disturb bald eagles. If you would like further assistance in determining whether bald eagles may be disturbed, contact the Service's Northeast Regional Bald and Golden Eagle Coordinator at 413-253-8577 or Thomas_Wittig@fws.gov.

Use of a Helicopter or Fixed-wing Aircraft

The following measure is necessary to avoid disturbing bald eagles and their young. Place a check mark next to this measure if it will be implemented.

- From January 1 to July 31 (the breeding season), no aircraft will be flown within 1000 feet (305 meters) of bald eagle nests, except where eagles have demonstrated tolerance for such activity.

Will the proposed operation of a helicopter(s) or fixed-wing aircraft include the avoidance measure listed above?

- YES – This avoidance measure will be followed.

(signature)

(date)

U.S. Fish and Wildlife Service Determination: Disturbance of bald eagles is unlikely to occur. You may print page 1 and this page, then sign and date it for your records. This will serve as documentation that you are following the U.S. Fish and Wildlife Service's recommendations for avoiding disturbance of bald eagles.

- NO – This avoidance measure will not be followed.

U.S. Fish and Wildlife Service Determination: Your action may disturb bald eagles. If you would like further assistance in determining whether bald eagles may be disturbed, contact the Service's Northeast Regional Bald and Golden Eagle Coordinator at 413-253-8577 or Thomas_Wittig@fws.gov.

Blasting and Other Loud, Intermittent Noises (including Fireworks)

The following measure is necessary to avoid disturbing bald eagles and their young. Place a check mark next to this measure if it will be implemented.

- From January 1 to July 31 (the breeding season), blasting and other activities that produce extremely loud noises will not occur within 1/2 mile of active nests, unless greater tolerance to the activity (or similar activity) has been demonstrated by the eagles in the breeding area. This measure also applies to the use of fireworks classified by the Federal Department of Transportation as Class B explosives, which includes the larger fireworks that are intended for licensed public display.

Will the proposed activity include the avoidance measure listed above?

- YES – This avoidance measure will be followed.

(signature)

(date)

U.S. Fish and Wildlife Service Determination: Disturbance of bald eagles is unlikely to occur. You may print page 1 and this page, then sign and date it for your records. This will serve as documentation that you are following the U.S. Fish and Wildlife Service's recommendations for avoiding disturbance of bald eagles.

- NO – This avoidance measure will not be followed.

U.S. Fish and Wildlife Service Determination: Your action may disturb bald eagles. If you would like further assistance in determining whether bald eagles may be disturbed, contact the Service's Northeast Regional Bald and Golden Eagle Coordinator at 413-253-8577 or Thomas_Wittig@fws.gov.

Recreational Activities

Recreational activities will not disturb eagles if conducted during the non-breeding season. The following avoidance measures only pertain to the breeding season (January 1 to July 31).

Non-motorized recreation and human entry (including hiking, camping, fishing, hunting, canoeing)

- Stay at least 330 feet (100 meters) from the nest if you walk, bike, canoe, camp, fish, or hunt near an eagle nest during the breeding season and your activity will be visible or can be heard from the nest.

Off-road vehicle use (including snowmobiles)

- Stay at least 330 feet (100 meters) from the nest. In open areas, where there is increased visibility and exposure to noise, stay at least 660 feet (200 meters) from the nest.

Motorized watercraft use (including jet skis/personal watercraft)

- Do not operate jet skis (personal watercraft) or airboats within 330 feet (100 meters) of the nest.
- Avoid concentrations of noisy vessels (e.g. commercial fishing boats and tour boats) within 330 feet (100 meters) of the nest, except where eagles have demonstrated tolerance for such activity.
- For all motorized boat traffic within 330 feet (100 meters) of the nest, minimize trips and avoid stopping in the area, particularly where eagles are unaccustomed to boat traffic.

Will the proposed activity(s) include the avoidance measures listed above?

- YES – These avoidance measures will be followed.

(signature)

(date)

U.S. Fish and Wildlife Service Determination: Disturbance of bald eagles is unlikely to occur. You may print this page for future reference.

- NO – One or more avoidance measures will not be followed.

U.S. Fish and Wildlife Service Determination: Your action may disturb bald eagles. If you would like further assistance in determining whether bald eagles may be disturbed, contact the Service's Northeast Regional Bald and Golden Eagle Coordinator at 413-253-8577 or Thomas_Wittig@fws.gov.

Section E
Proposed Impacts

Section E



Applicant's Name / Client Exelon Generation

AQUATIC RESOURCE IMPACT TABLE
FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION / REGISTRATION

DEP USE ONLY			Project Information									PADEP / 105		
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Fee	Structure / Activity unique identifier	Aquatic Resource Type	Latitude dd nad83	Longitude dd nad83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type temp / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Dimension Length and Width in feet
			-	GP-11.1	Perennial			Susquehanna River	WWF, MF	BRIDGE REPAIRS	TEMP	352 - 34.75	-	-
			-	GP-11.2	Perennial			Susquehanna River	WWF, MF	BRIDGE REPAIRS	TEMP	-	37 - 10	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
Project / Site Name:			2018 NORTH BRIDGE REPAIRS						Date: 9/5/2018					
DEP USE ONLY			Project Information									PA DEP / 105		
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Fee	Structure / Activity unique identifier	Aquatic Resource Type	Latitude dd nad83	Longitude dd nad83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type temp / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Dimensions Length and Width in feet
			250	GP-5-1	Perennial	417710531	77152930	Dunn Creek	CWF	Excavation	Temp	50 - 30	N/A	N/A
			N/A	GP-5-1	Perennial	417710531	77152930		CWF	Excavation	Temp	N/A	100 - 30	N/A
			250	GP-5-2	PEM	417710618	77152945			Excavation	Temp	N/A	N/A	10 - 30
			350	GP-7-1	Perennial	417710618	77152945	Dunn Creek	CWF	Excavation	Perm	20 - 30	100 - 30	

EXAMPLE

EXHIBIT “E”



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

FEB 11 2019

Mr. Srinivas P. Velugubantla
Exelon Generation
2625 River Road
Middletown, PA 17057

Re: Withdrawal of Incomplete Registration
DEP General Permit File No. GP-11-22-18-114
APS No. 976998
Londonderry Township, Dauphin County

Dear Mr. Velugubantla:

On 2/5/19, the Department of Environmental Protection (DEP) received a written request to withdraw the above referenced General Permit Registration from Mr. Scott R. Cogley. The DEP has withdrawn the application, and no further action will be taken.

If you have questions about your registration, please call Christopher Kemple at 717.705.4780 and refer to Registration No. GP-11-22-18-114.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Muzic".

Edward J. Muzic, P.E.
Civil Engineer Manager, Hydraulic
Dam Safety, Waterways & Wetlands Section

cc: Mr. Steve S. Malesker