pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
and
U.S. ARMY CORPS OF ENGINEERS

ENVIRONMENTAL ASSESSMENT FORM (E.A. Form)

PART 1 - RESOURCE IDENTIFICATION

1. **Indicate water resources which exist on the project site.**

   Name of streams(s) and/or body of water (including wetlands) -- This E.A. Form is applicble to Lebanon County.   Tables of impacted aquatic resources provided within this Attachment 11.

   Size of body of water (in acres) Tables with acreages of impacted aquatic resources provided within this Attachment 11.

   Provide a table detailing all proposed aquatic resource impacts including type of structure or activity, length and width of streams or floodways, and acreage of wetlands or other bodies of water. All structures or activities must also include latitude and longitude for each proposed location.

   Wetland - If wetlands are present at the project site, provide the following information relative to the person(s) or organization performing the wetland identification, delineation and related work (attach additional sheets if needed):

Last Name	First Name	MI	Telephone
Lare	Sandra	J.	(716) 849-9419
Mailing Address	City	State	Zip + 4
Tetra Tech, Inc. 301 Ellicott Street	Buffalo	NY	14203
Email Address sandy.lare@tetratech.com			

   ### QUALIFICATIONS

   Tetra Tech, Inc. (Professional Environmental Consultants).   Permit Application Preparation Lead: Sandy Lare - B.S. Env. Studies, Binghamton University, 23+ yrs exp..   Extensive team of well qualified staff performing various duties; additional qualifications available upon request.

   If wetlands are present, attach a copy of the wetland delineation report identified and labeled as **Enclosure A**. Include all field data sheets, denote the size (in acres) of the wetland. If this information details any physical information or features not shown in the "site plan" please attach additional plans which illustrate these features.

   Enclosure A

PART 1 - RESOURCE IDENTIFICATION (continued)	YES	NO
2. **Is the site located within or adjacent to any of the following? Please mark either the "yes" or "no" column for each question.**		
A. National, state or local park, forest or recreation area	☐	☒
B. Natural, wild, or wilderness area	☐	☒
C. National natural landmark	☐	☒
D. National wildlife refuge, or Federal, state, local or private wildlife or plant sanctuaries	☒	☐
E. State Game Lands	☒	☐
F. Areas identified as prime farmland	☒	☐
If not included in the permit application package, please attach a map (e.g. 1:2400 scale or greater) indicating the location of the project, all water resources and the features identified above. Label the map as <u>Enclosure B</u>.	**ENCLOSURE B**	
3. Is the water resource listed as trout stocked waters by the Pennsylvania Fish and Boat Commission?	☒	☐
4. Is the water resource designated as a wild trout stream by the Pennsylvania Fish and Boat Commission?	☒	☐
5. Is the water resource listed as High Quality or Exceptional Value in Title 25 Pa. Code Chapter 93?	☐	☒
Indicate the stream classification found in Chapter 93. Classification <u>Various, see tables in this Attachment 11</u>		
6. Is the water resource designated as a National Wild or Scenic River or as part of the Commonwealth's Scenic Rivers System or classified as priority 1-A for inclusion in the system?	☐	☒
7. Is the water resource part of or located along a private or public water supply?	☐	☒
(IF COMPLETING A SMALL PROJECT APPLICATION ADVANCE TO PART 3)	E
8. Provide a written narrative, identified and labeled as "<u>Enclosure C - Description of Aquatic Habitat</u>," discussing the following ecological functions:	N
A. Aquatic habitats including:	C
(1) Food chain production	L

(2) General habitat
      a. Nesting   e. Migration
      b. Spawning   f. Feeding
      c. Rearing   g. Escape Cover
      d. Resting   h. Other
	O
	 S

(3) Habitat for threatened and endangered plant and animal species (Discuss results of the Pennsylvania Natural Diversity Inventory (PNDI) form and Bog Turtle Habitat Screening)	U R

(4) Environmental Study Areas
      a. Sanctuaries
      b. Refuges
	E

(5) If project proposes a stream relocation, a stream enclosure, or dredging, provide a description of the instream macroinvertebrate community.	C

PART 1 - RESOURCE IDENTIFICATION (continued)	
B. Water Quantity and Streamflow	E N C L O S U R E C
(1) Natural drainage patterns	
(2) Flushing characteristics	
(3) Current patterns	
(4) Groundwater discharge for baseflow	
(5) Natural recharge area for ground and surface waters	
(6) Storm and floodwater storage and control	
C. Water Quality	
(1) Preventing Pollution	
(2) Sedimentation control and patterns	
(3) Salinity distribution	
(4) Natural water filtration	
D. Recreation	
(1) Game Species	Description of Aquatic Habitat
(2) Non Game Species	
(3) Fishing	
(4) Hiking	
(5) Observation (plant/wildlife)	
(6) Other	
E. Upstream and Downstream Property	
F. Other Environmental Factors Determined by Site Investigation	

PART 2 - PROJECT DESCRIPTION	
9. **Project Impacts** For impacts to regulated waters of the Commonwealth, answer fully, completely and in detail the following questions; attach and label as **Enclosure D**.	E N C L O S U R E D
A. Discuss the impacts on:	
(1) National, state or local park, forest or recreation area	
(2) Natural, wild, or wilderness area	
(3) National, state, or local historic site	
(4) National natural landmark	
(5) National wildlife refuge	
(6) Cultural or archaeological landmarks	
(7) State Game Lands	

PART 2 - PROJECT DESCRIPTION (continued)	ENCLOSURED
(8) Federal, state, local or private plant or wildlife sanctuaries	
(9) Areas identified as prime farmland	
B. Discuss the environmental impacts on:	
(1) Aquatic habitats including:	
a. Food Chain production	
b. General habitat (1) Nesting (5) Migration (2) Spawning (6) Feeding (3) Rearing (7) Escape Cover (4) Resting (8) Other	
c. Habitat for threatened and endangered plant and animal species	
d. Environmental Study Areas (1) Sanctuaries (2) Refuges	
(2) Water Quantity and Streamflow	
a. Natural drainage patterns	
b. Flushing characteristics	
c. Current patterns	
d. Groundwater discharge for baseflow	
e. Natural recharge area for ground and surface waters	
f. Storm and floodwater storage and control	
(3) Water Quality	
a. Preventing Pollution	
b. Sedimentation control and patterns	
c. Salinity distribution	
d. Natural water filtration	Project Impacts
(4) Recreation	
a. Game Species	
b. Non Game Species	
c. Fishing	
d. Hiking	
e. Observation (wildlife)	
f. Other	
(5) Upstream and downstream property	
(6) Other Environmental Factors	

PART 2 - PROJECT DESCRIPTION (continued)	E
C. Identify all environmental impacts on other adjacent land and water resources associated with the construction, modification or operation of the dam, reservoir, water obstruction, or encroachment in the area of the project.	N C L
D. Identify and evaluate the potential cumulative environmental impacts of this project and other potential or existing projects like it, and the impacts that may result through numerous piecemeal changes to the resource.	O S U
E. Identify and describe all other dams, water obstructions or encroachments which may or will be needed, in addition to those described in this Application, to fulfill the purpose of the current project.	R E D

PART 3 – CERTIFICATION AND FEE

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

☒ Application Fee & Chapter 105 Fee(s) Calculation Worksheet enclosed

Sandra G Lare   _11/22/2016_

Signature of Person Completing   Date
the Environmental Assessment Form

The Department may waive a specific information requirement in writing, at the request of the Applicant, during the pre-application review process if the Department determines that specific information is not necessary to review the application.