
**Attachment 34 to PLA-6219
Ecology III, Inc. August 1991.
Wetland Evaluation and Mapping at the
Susquehanna Steam Electric Station.
Supplement: Evaluation of Proposed
Residual Waste Impoundment Area**

(NRC Document Request 80)

**WETLAND EVALUATION AND MAPPING
AT THE
SUSQUEHANNA STEAM ELECTRIC STATION
SUPPLEMENT: EVALUATION OF PROPOSED
RESIDUAL WASTE IMPOUNDMENT AREA**

Prepared by

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For

Pennsylvania Power and Light Company
Two North Ninth Street
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August 1991

**WETLAND EVALUATION AND MAPPING AT THE
SUSQUEHANNA STEAM ELECTRIC STATION**

**SUPPLEMENT: EVALUATION OF PROPOSED RESIDUAL WASTE
IMPOUNDMENT AREA**

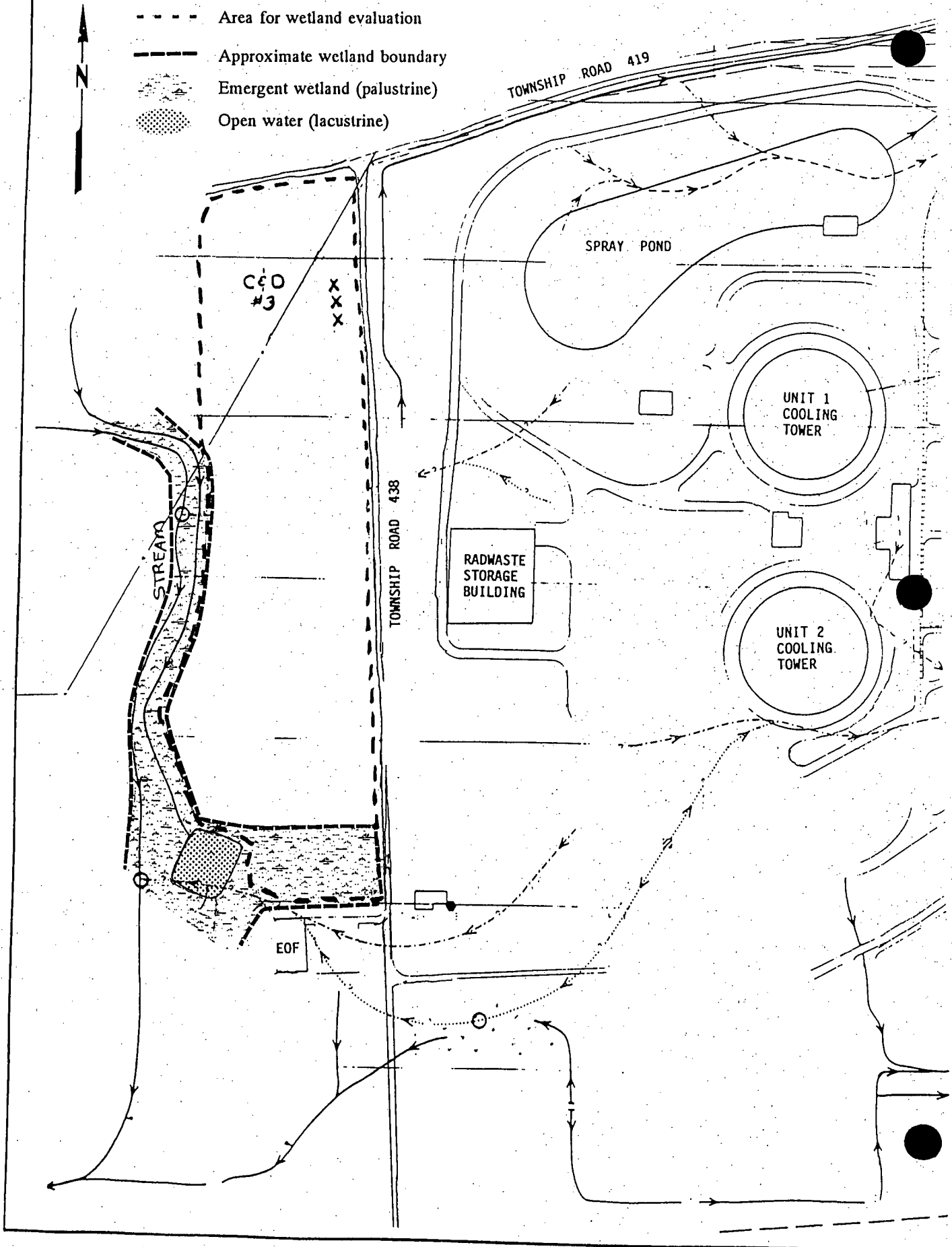
This report is a supplement to *Wetland Evaluation and Mapping at the Susquehanna Steam Electric Station* (Montgomery 1990). It evaluates the presence of wetlands in the area west of Township Road 438 (TR438) from Township Road 419 (TR419) south to the Emergency Operations Facility (EOF) and west to a small stream (Map 1). Field work was conducted from 26 July through 8 August 1991. This evaluation is in response to proposed construction of a residual waste impoundment near the Construction & Demolition (C&D) Site #3 (see PLI-68201). The 1990 report should be consulted for definitions and wetland evaluation of the adjacent area to the east.

The proposed impoundment is in an area of fill created during plant construction in the 1970's and used as "lay-down" and storage areas. Wetlands occur on the western edge of the area along a small stream and north of the EOF. The wetland along the stream is a palustrine emergent wetland (Cowardin et al. 1979) and dominated by reed canary grass (FACW), broadleaf cattail (OBL), giant goldenrod (FACW), spotted touch-me-not (FACW), and silky willow (OBL); additional obligate wetland species are shallow sedge, fringed sedge, green bulrush, fowl manna grass, Allegheny monkey-flower, skunk cabbage, and sweet flag. Classification of wetland species follows Reed (1988). Scientific names of wetland plants recorded at the Susquehanna SES are given in Montgomery (1990, Table 1). This area is mapped as palustrine emergent wetland by the National Wetland Inventory (NWI), Berwick Quadrangle.

LEGEND

MAP 1.

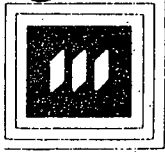
- X X X Proposed location of residual waste impoundment
- - - Area for wetland evaluation
- Approximate wetland boundary
- Emergent wetland (palustrine)
- Open water (lacustrine)





Ecology III, Inc.

ENVIRONMENTAL SERVICES



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27 August 1991

L. A. Vollendorf (A9-3)
Pennsylvania Power & Light Company

SUSQUEHANNA STEAM ELECTRIC STATION
CCN-741326 FILE R9-7
EIPL-610
WETLAND EVALUATION

Enclosed is a copy of my report, "Wetland Evaluation and Mapping at the Susquehanna Steam Electric Station, Supplement: Evaluation of Proposed Residual Waste Impoundment Area." This report is in response to your letter of 24 June 1991 (PLI-68201).

If you have any questions or require additional information, please contact me at ETN 254-1915.

James D. Montgomery

James D. Montgomery, Ph.D.
Terrestrial Director

/msh

Enclosure

copy: J. S. Fields (A9-3)
C. H. Saxton (SSES/PT)

SRMS File (A6-2)
EIPL File (EIII)

June 24, 1991

J. D. Montgomery

SSES/Bio Lab

SUSQUEHANNA STEAM ELECTRIC STATION
 WETLAND EVALUATION
 CCN 741326 FILE R9-7
 PLI-68201

The Environmental & Chemistry Group is currently taking actions to determine if PaDER approval is needed for construction of a future wastewater treatment and disposal impoundment near Construction & Demolition Site #3. This impoundment will be designed to handle cooling tower and spray pond sediment, low volume wastes, reactivator sludge, and various other out-of-spec wastes. Construction will probably not begin for at least two to three years.

Restrictions imposed by the new Pennsylvania Residual Waste Regulations concerning the location of impoundments requires a wetland evaluation. Therefore, the Environmental & Chemistry Group requests an evaluation of the area surrounding C&D Site #3 (see area outlined on attached map). More specifically, the area to be evaluated is south of Township Road T419, west of Township Road T438, north of the Emergency Operations Facility (EOF), and east of the stream.

The new residual waste regulations prohibit construction of an impoundment in the following areas:

1. In or within 300 feet of an important or exceptional value wetland.
2. Within 100 feet of a perennial stream or in or within 100 feet of a wetland other than a wetland described in (1).

The evaluation should be completed and a report submitted to us by July 19, 1991. If possible, I would like to accompany you during the evaluation.

If you have any questions, please call me at ETN 220-7891.

Lisa A. Vollendorf
 L. A. Vollendorf

lav/mef2503a(26)

Attachment

cc: R. A. Breslin SSES/PT
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 D. L. Hagan SSES
 J. P. Iannotti A9-3

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 SRMS Corresp. File A6-2

