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File #: 217490

February 20, 2026

VIA ELECTRONIC FILING

Matthew L. Homsher, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17105-3265

Re: Letter of Notification of Keystone Appalachian Transmission Company For Approval Of The Harrison City-Hempfield-Luxor 138 Kilovolt Transmission Line Reconfiguration Project In Hempfield And Salem Townships, Westmoreland County, Pennsylvania
Docket No. A-2026-

Dear Secretary Homsher:

Enclosed for filing on behalf of Keystone Appalachian Transmission Company ("KATCo") is a Letter of Notification ("LON"), requesting approval for the Harrison City–Hempfield–Luxor 138 Kilovolt ("kV") Transmission Line Reconfiguration Project ("Project"). This LON is being filed pursuant to the Pennsylvania Public Utility Commission's ("Commission") regulations at 52 Pa. Code § 57.72(d)(1). Copies of this LON have been served upon the parties as required by 52 Pa. Code § 57.74 and noted on the attached Certificate of Service.

Subject to the Commission's approval, the Project has a scheduled construction date of April 15, 2026, to meet an in-service date of June 15, 2027. To support this construction timeline, MAIT respectfully requests the Commission's expedited review and approval for the LON on or before the March 26, 2026, Public Meeting to allow construction to commence immediately thereafter.

If you have any questions pertaining to this matter, please do not hesitate to contact me.

Respectfully submitted,

Garrett P. Lent
GPL/dmc

Attachments

cc: Deb Backer, Bureau of Technical Utility Services (*via email; w/attachments*)
Jordan Van Order, Bureau of Technical Utility Services (*via email; w/attachments*)
Certificate of Service

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing Letter of Notification has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 57.72(d)(3).

VIA CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Office of Small Business Advocate
555 Walnut Street
1st Floor Forum Place
Harrisburg, PA 17101

Office of Consumer Advocate
555 Walnut Street
5th Floor Forum Place
Harrisburg, PA 17101

Pennsylvania Public Utility Commission
Bureau of Investigation and Enforcement
P.O. Box 3265
Harrisburg, PA 17105-3265

Ms. Andrea Lowery, Executive Director
Pennsylvania Historical & Museum Commission
300 North Street
Harrisburg, PA 17120-0024

Office of Chief Counsel, Real Property Division
Pennsylvania Department of Transportation
Commonwealth Keystone Building
400 North Street, 9th Floor
Harrisburg, PA 17120

PA Department of Environmental Protection
ATTN: Bureau of Waterways Engineering and Wetlands
400 Market Street
Harrisburg, PA 17101

PA Department of Environmental Protection
ATTN: Office of Chief Counsel
400 Market St., 9th Floor
Harrisburg, PA 17105
CC: Secretary to PADEP Chief Counsel

PA Department of Environmental Protection
Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222

Ronald Rohall, Chairman
Westmoreland County Conservation District
218 Donohue Rd.
Greensburg, PA 15601

Sean Kertes
Westmoreland County Commissioner/Chair
2 N. Main St. Suite 101
Greensburg, PA 15601

Douglas Chew
Westmoreland County Commissioner/Vice-Chair
2 N. Main St. Suite 101
Greensburg, PA 15601

Ted Kopas
Westmoreland County Commissioner/ Secretary
2 N. Main St. Suite 101
Greensburg, PA 15601

Westmoreland County Planning Division
40 N. Pennsylvania Ave.
5th Floor, Suite 520
Greensburg, PA 15601

Douglas Weimer
Hempfield Township/ Chairman
1132 Woodward Drive
Greensburg, PA 15601-9310

Bill Bretz
Hempfield Township/ Vice-Chairman
1132 Woodward Drive
Greensburg, PA 15601-9310

George Reese
Hempfield Township/ Supervisor
1132 Woodward Drive
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Tom Logan
Hempfield Township/ Supervisor
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Bob Zundel
Salem Township Vice Chair
244 Congruity Road
Greensburg, PA 15601

Todd Paulich
Salem Township Supervisor
244 Congruity Road
Greensburg, PA 15601

Kerry Jobe
Salem Township/ Supervisor
244 Congruity Road
Greensburg, PA 15601

Dave and Sami Scott
350 Kuhns Ln
Greensburg, PA 15601

Todd and Pamela Caughy
2829 Green Dr.
Greensburg, PA 15601

Billy Lee and Erica Rethage
2842 Green Dr.
Greensburg, PA 15601

Vinton and Teresa Hoffman
119 Beechwood Dr.
Greensburg, PA 15601

Charles Boggs
155 Sleepy Hollow Road
Greensburg, PA 15601

Joseph and Mary Ann Cigich
133 Log Cabin Ln.
Greensburg, PA 15601

Joanne Miller
910 Old Route 66
Greensburg, PA 15601

Darren and Amy Fedorski
133 Beechwood Dr.
Greensburg, PA 15601

Pennsylvania Department of Conservation and Natural Resources
400 Market St.
Harrisburg, PA 17105

Pennsylvania Game Commission
2001 Elmerton Ave.
Harrisburg, PA 17110-9797

Pennsylvania Fish and Boat Commission
1601 Elmerton Ave.
Harrisburg, PA 17110

US Fish and Wildlife Service
Pennsylvania Field Office
110 Radnor Road, Suite 101
State College, Pennsylvania 16801-4850

Date: February 20, 2026

Garrett P. Lent

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

LETTER OF NOTIFICATION OF KEYSTONE APPALACHIAN TRANSMISSION COMPANY FOR APPROVAL OF THE HARRISON CITY-HEMPFIELD-LUXOR 138 KILOVOLT TRANSMISSION LINE RECONFIGURATION PROJECT IN HEMPFIELD AND SALEM TOWNSHIPS, WESTMORELAND COUNTY, PENNSYLVANIA	:	**Docket No. _____**

LETTER OF NOTIFICATION

TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

Pursuant to 52 Pa. Code § 57.72(d)(1)(i) and (v), Keystone Appalachian Transmission Company ("KATCo") submits this Letter of Notification requesting that the Pennsylvania Public Utility Commission ("Commission") approve the "Harrison City–Hempfield–Luxor 138 Kilovolt ("kV") Transmission Line Reconfiguration Project" ("Project") as described herein.

The proposed Project was developed to reconfigure approximately 2.2 miles of the existing approximately 25-mile-long Harrison City-Hempfield-Luxor 138 kV Transmission Line to provide a new 138 kV transmission line loop to the new 138 kV three breaker ring bus Stoney Springs Substation. The Project is needed to provide increased reliability and operational flexibility of the existing transmission system in the area.

The Project will be constructed within existing right-of-way ("ROW") in Hempfield and Salem Townships, Westmoreland County, Pennsylvania. KATCo has provided information

regarding this Project to all identified political subdivisions, and none of them have objected to the Project. Subject to the Commission's approval, construction on the Project is scheduled to begin on or about April 15, 2026, to meet an in-service date of June 15, 2027. To support this construction timeline, KATCo respectfully requests that the Commission issue its final ruling no later than the public meeting scheduled for March 26, 2026.

In support thereof, KATCo submits as follows:

I. INTRODUCTION

1. KATCo is a public utility subject to the jurisdiction of the Commission over the siting and construction of transmission lines pursuant to Chapter 57, Subchapter G, of the Commission's regulations.

2. The address of KATCo's principal business office is:

Keystone Appalachian Transmission Company
341 White Pond Drive
Akron, OH 44320

3. The attorneys representing KATCo in this matter authorized to receive notices and communications on its behalf are:

Tori L. Giesler (ID #207742)
FirstEnergy Service Company
341 White Pond Dr.
Akron, OH 44320
(610) 921-6658
tgiesler@firstenergycorp.com

David B. MacGregor (ID #28804)
Garrett P. Lent (ID #321566)
Megan Rulli (ID # 331981)
Post & Schell, P.C.
17 North Second Street
12th Floor
Harrisburg, PA 17101-1601
(717) 731-1970
dmacgregor@postschell.com
glent@postschell.com
mrulli@postschell.com

KATCo agrees to accept electronic service in this proceeding.

4. KATCo also requests that a copy of all notices and communications regarding this matter be sent to:

Michael DeSarro
Transmission Specialist II
FirstEnergy Service Company
341 White Pond Drive
Akron, OH 44320
(330)384-3721
madesarro@firstenergycorp.com

5. KATCo provides the following attached exhibits in support of this Letter of Notification:

Exhibit 1: A topographic map depicting the location of the proposed Project;

Exhibit 2: A depiction of the general layout of the Project;

Exhibit 3: A copy of the PJM Interconnection, LLC ("PJM") M3 Process Solution slides;

Exhibit 4: A depiction of a 138 kV single circuit tubular steel unitized 2000A switch structure vertical single pole structure;

Exhibit 5: A depiction of a 138 kV single structure tubular steel unitized 2000A switch structure vertical single pole;

Exhibit 6: A depiction of a 138 kV single circuit tubular steel unitized 2000A switch structure horizontal 3 pole structure;

Exhibit 7: A depiction of a 138 kV double circuit tubular steel deadend single pole structure;

Exhibit 8: A depiction of a 138 kV single circuit tubular steel deadend single pole structure;

Exhibit 9: A copy of the Wetland and Stream Delineation Report prepared by GAI Consultants, Inc. ("GAI"), dated August 2025;

Exhibit 10: A copy of the Pennsylvania Natural Diversity Inventory ("PNDI") review dated September 5, 2025, and related agency clearance correspondence; and

Exhibit 11: Copies of the Pennsylvania State Historic Preservation Office ("SHPO") clearance letters dated February 20, 2025, and October 17, 2025.

6. This Letter of Notification and accompanying Exhibits, which are incorporated herein by reference, contains all the information required by 52 Pa. Code § 57.72(d)(4).

II. THE PROJECT

A. NEED FOR THE PROJECT

7. As explained in further detail below, the proposed Project is needed to reconfigure the existing Harrison City-Hempfield-Luxor 138 kV Transmission Line to provide a new 138 kV transmission line loop to the new 138 kV three breaker ring bus Stoney Springs Substation.

1. Existing System

8. The existing Harrison City-Hempfield-Luxor 138 kV Transmission Line is a double circuit transmission line utilizing 4/0 American wire gauge ("AWG") strand conductor and 17/64"

7 strand extra high strength ("EHS") shield wire. The existing structures along this segment are primarily steel lattice structures that range from approximately 80 to 100 feet tall.

9. The existing Harrison City-Hempfield-Luxor 138 kV Transmission Line Tap to the North Oakford Substation (existing structure #137 to North Oakford Substation) utilizes single circuit 556.5 kcmil 26/7 aluminum conductor steel reinforced ("ACSR") conductor and 7#9 Alumoweld shield wire and is primarily supported on single steel monopoles ranging in height from 65 to 85 feet above ground.

10. The existing Harrison City-Hempfield-Luxor 138 kV Transmission Line Tap to the South Oakford Substation (existing structure #142 to South Oakford Substation) also utilizes single circuit 556.5 kcmil 26/7 ACSR conductor and 7#9 Alumoweld shield wire is primarily supported on wood H-frame structures ranging in height from approximately 55 to 70 feet above ground.

11. The section of the existing Harrison City-Hempfield-Luxor 138 kV Transmission Line, that trends in a southerly direction, from existing structure #148 to existing structure #5, utilizes 954 kcmil 45/7 ACSR and 3#6 Alumoweld shield wire and is supported by double circuit steel lattice tower structures. These structures currently only carry one set of conductors leaving an open arm position and range in height from approximately 100 to 115 feet above ground.

12. A map of the existing system configuration is provided as **Exhibit 2.**

2. Identification of Need

13. The reconfiguration of the existing Harrison City-Hempfield-Luxor 138 kV Transmission Line is needed to provide a 138 kV transmission line loop connection to the new 138 kV three breaker ring bus Stoney Springs Substation. The Project will reduce the number of power disruptions to residential and commercial customers due to transmission line outages and improve

the reliability of the transmission network and the local distribution system by utilizing the new Stoney Springs Substation.

14. The existing Harrison City-Hempfield-Luxor 138 kV Transmission Line is a three-terminal line that provides direct service to over 16,000 customers. This transmission line is also an important network path between the Harrison City, Hempfield, and Luxor substations. Approximately 43 megawatts ("MW") of load is served directly from this transmission line, and it is approximately 25 miles in length. The three-terminal line creates difficulties for protective relaying coordination in the event of a fault on the line. The transmission line lacks line switches on the existing taps to both the North Oakford and South Oakford Substations and limits the ability of transmission system operators to sectionalize and isolate faults or to perform maintenance on the transmission line while maintaining service to interconnected customers. In addition, the line terminals at the substations serving the transmission line are equipped with antiquated relaying schemes and equipment that limits the use of the full capacity of the transmission line conductor.

15. KATCo's transmission planning is based on deterministic criteria, and not probabilistic criteria. In other words, FirstEnergy's transmission planning assessments result in recommendations to reinforce the transmission system based on an adverse planning event occurring and not based on the probability of the event occurring. FirstEnergy cannot know or predict if or when a failure or fault will occur.

16. By constructing the new Stoney Springs Substation and completing the proposed transmission line reconfiguration, KATCo will significantly reduce the likelihood of a simultaneous outage of multiple transmission facilities. The proposed three-breaker ring bus switching station will convert the existing Harrison City-Hempfield-Luxor 138 kV Transmission Line into three new independent transmission lines that will utilize the Stoney Springs Substation.

The existing Harrison City-Hempfield-Luxor 138 kV Transmission Line will be renamed the Penn-Stoney Springs 138 kV Transmission Line, the Hempfield-Stoney Springs 138 kV Transmission Line, and the Luxor-Stoney Springs 138 kV Transmission Line. The switching station will reduce the total exposure on the Harrison City-Hempfield–Luxor 138 kV Transmission Line.

17. KATCo reviewed the impact of certain transmission contingency scenarios on the distribution system's reliability metrics. There are several transmission contingency scenarios that put all the substations connected to the transmission line at risk. If these transmission contingency scenarios were to take place with the existing transmission system configuration, there are significant negative impacts to the distribution reliability metrics: System Average Interruption Duration Index ("SAIDI"), System Average Interruption Frequency Index ("SAIFI"), and Customer Average Interruption Duration Index ("CAIDI"). The negative impacts to the distribution reliability metrics and the Commission's benchmark for the FirstEnergy Pennsylvania Electric Company's ("FE PA") West Penn Power region[1] are summarized in **Table 1** below. This table assumes a three-hour outage duration, which was determined based on historic off-hours outage restoration times necessary to assemble a crew, dispatch the crew to the scene, allow the crew time to determine the issue, and then perform switching to restore customers.

[1] On December 7, 2023, the Commission approved, among other things, the merger of FirstEnergy's Pennsylvania operating companies, including West Penn Power Company ("West Penn"), into FE PA. The merger transaction closed January 1, 2024. FE PA is now the successor in interest to West Penn. For this filing, all reference to property/and or assets owned by FE PA, unless stated otherwise, mean property and/or assets located in the rate district of former West Penn. For continuity with the merger transaction, the service territory previously served by West Penn will be referred to as the "West Penn region" for purposes of this filing.

Table 1. Impact to Reliability Metrics

Reliability Metric	PA PUC Benchmark for West Penn Power region	Outage Impact	Outage Impact on Benchmark
SAIDI	179	4.1	183.1
SAIFI	1.05	0.02	1.07
CAIDI	170	180	170.7

18. Since 2020, there have been four unscheduled outages on the Harrison City-Hempfield-Luxor 138 kV Transmission Line. See Table 2 below for additional details. The shortest outage time was a few seconds, while the longest outage lasted over 19 hours. Two of the outages were related to equipment failure and two of the outages were categorized as unknown cause. The new configuration could have mitigated the two outages related to equipment failure.

Table 2. Reliability Outage History for the Harrison City-Hempfield-Luxor 138 kV Transmission Line

Outage #	Outage Category	Outage Type	Outage Start Time	Outage End Time	Duration (hrs)	Cause Category	Cause	Customer Interruption	Total # of Customers Affected
1	Unscheduled	Sustained	6/26/24 8:14 PM	6/27/24 3:24 PM	19.17	Failed AC Circuit Equipment	Static Wire	Yes	10,675
2	Unscheduled	Sustained	10/25/23 2:24 PM	10/25/23 2:28 PM	0.07	Failed Protection System Equipment	Relay/ Malfunction	Yes	10,675
3	Unscheduled	Momentary	7/7/21 4:17 AM	7/7/21 4:17 AM	0	Unknown	Unknown After Exhaustive Patrol or Investigation	Yes	10,675
4	Unscheduled	Sustained	3/29/20 12:30 AM	3/29/20 12:33 AM	0.05	Unknown	Unknown After Exhaustive Patrol or Investigation	Yes	10,675

19. The Project will provide redundancy and eliminate the outage of all the tapped substation loads due to a single line fault. Note that the proposed Project is not needed to address a North American Electric Reliability Corporation, PJM, or FirstEnergy Planning Criteria violation and is not part of a larger project. The Project is a supplemental project driven by FirstEnergy's Reliability Enhancement methodology based on the existing system configuration and its impact on the reliability of electric service to the residents and businesses of the area.

20. The Project will make the transmission system in the area more resilient and reliable, as well as providing increased operational flexibility. The Project will greatly reduce the potential for widespread outages in the area.

21. PJM is the regional transmission organization for Pennsylvania and 12 other states and the District of Columbia. PJM functions as the regional planning coordinator, transmission planner, and transmission operator to preserve the reliability of the bulk electricity grid under its operational control. The PJM planning process culminates in a PJM Board-approved Regional Transmission Expansion Plan ("RTEP"), which identifies the need and timing of transmission system upgrades and enhancements to provide for the operational, economic, and reliability requirements of PJM customers. The RTEP consists of system upgrades produced from one or more of four planning processes: reliability planning; economic planning; interconnection planning; and local planning.

22. The proposed Project is a "Supplemental Project" or upgrade initiated by KATCo, the Transmission Owner ("TO"), as part of PJM's local planning process, which is governed by Attachment M-3 of the PJM Open Access Transmission Tariff. In accordance with the Attachment M-3 process, the TO provides information regarding the criteria used to plan and identify Supplemental Projects at a PJM Assumptions Meeting. The process for developing Supplemental

Projects requires the identification of a system "need" at a meeting of the PJM Subregional RTEP ("SRRTEP") Committee, which provides an opportunity for industry stakeholders to comment on the project need. Next, there is a "solutions" meeting where a proposed solution to the previously identified need is presented along with any alternatives that were considered. Stakeholders can provide comments on the proposed solution. Once PJM completes its do-no-harm analysis of the Project, PJM will assign the project a Supplemental Identifier beginning with an "s" followed by a four-digit number. Supplemental upgrades are part of the local planning process but are not mandated or directed by PJM; however, the upgrades are necessary in order to address planning functions not transferred to PJM (*e.g.*, asset management and customer interconnections.) These projects reflect the PJM TO's obligation to serve its local service territory and are grounded in good utility practice.

23. In accordance with the PJM Open Access Transmission Tariff ("OATT"), Attachment M-3, the proposed Project was presented at the PJM SRRTEP – Western Need meeting on July 21, 2023, and Solution meeting on November 15, 2024. The Company's PJM SRRTEP – Western presentation slides are included as **Exhibit 3.** The Supplemental Number for the proposed Project is s3575.1.

24. The alternative solution considered by the Company was to build a double circuit transmission line from existing structure #148 on the Harrison City-Hempfield-Luxor 138 kV Transmission Line to the Luxor Substation. This alternative was not chosen because the existing transmission line is currently constructed in a six-wire configuration and this solution would have required the rebuilding of four miles of transmission line, including the replacement of the existing conductor.

25. The implementation of advanced transmission technologies was considered as part of this Project. New supervisory control and data acquisition ("SCADA") switches will be installed. SCADA switches offer significant advantages over traditional air switches, primarily due to their enhanced remote control, monitoring, and automation capabilities. SCADA systems allow for real-time data collection and analysis, enabling remote monitoring of multiple devices, troubleshooting problems, and even controlling equipment from anywhere. Air switches, while simple, lack these advanced features and are typically manually operated.

B. THE PROPOSED PROJECT

26. In this Project, KATCo proposes to reconfigure the existing Harrison City-Hempfield-Luxor 138 kV Transmission Line. The proposed general layout for this project is depicted in **Exhibit 2.**

27. To facilitate the Project, KATCo proposes the following.

- Install 3 new 2000A SCADA switches and 3 new switch structures (structures #137A, 137B, 137C) at the North Oakford Tap location as shown in Detail A of **Exhibit 2**;
- Replace existing structure #142A with a new double circuit tap structure, as shown in Detail B of **Exhibit 2**;
- Replace existing structure #142 & #144 with new switch structures and install new 2000A SCADA switches, as shown in Detail B of **Exhibit 2**;
- Install a new 3 pole switch structure and one 2000A SCADA switch (structure #142B) on the South Oakford Tap segment as shown in Detail B of **Exhibit 2**;
- Replace existing structure #148 with 2 new dead-end double circuit structures (structures #148A and #148B) at the South Oakford Tap location as shown in Detail C of **Exhibit 2**;
- Install 4 new dead-end structures between existing structures #4 & #5 (structures #4A, #4B, #4C, #4D) to facilitate the creation of the new Penn-Stoney Springs 138 kV Transmission Line, Hempfield-Stoney Springs 138 kV Transmission Line, and Luxor-Stoney Springs 138 kV Transmission Line, as shown in Detail D of **Exhibit 2**;

- Transfer the existing conductor and shield wire along the Harrison City-Hempfield-Luxor 138kV Transmission Line to the proposed switch structures;

- Retain the existing 7#9 Alumoweld Shield Wire along the Harrison City-Hempfield-Luxor 138kV Transmission Line Taps to North and South Oakford substations;

- Transfer the existing 556.5 kcmil 26/7 ACSR "Dove" conductor along the Harrison City-Hempfield-Luxor 138kV Transmission Line Taps to North and South Oakford substations to the new proposed switch structures;

- Install 0.8 miles of 954 kc mil 45/7 ACSR "Rail" conductor and 7#8 Alumoweld static wire between existing structures #1 through #4 on the double circuit structures that currently only have one set of conductors, between Detail C and Detail D on **Exhibit 2**; and

- Install 0.1 miles of 954 kc mil 45/7 ACSR "Rail" conductor and 7#8 Alumoweld shield wire between new Dead-end structures #4A, #4B, #4C, and #4D, as shown in Detail D on **Exhibit 2**.

28. The proposed 13 new steel poles will range in height from 65 to 105 feet with a span length ranging from 125 to 200 feet. Of the 13 proposed steel poles, four are proposed as double circuit steel pole vertical switch structures (structures #137A, 137B, 142, 144) approximately 85 to 100 feet in height and are depicted in **Exhibit 4**. Structure #137C is proposed as a single circuit vertical switch structure without a shield wire approximately 65 feet in height and is depicted in **Exhibit 5**. Structure #142B is proposed as a three-pole horizontal switch structure approximately 80, 70, and 90 feet in height and is depicted in **Exhibit 6**. Structure #142A is proposed as a double circuit deadend structure with a tap approximately 105 feet in height and is depicted in **Exhibit 7**. Two structures are proposed as double circuit deadend tap structures (structures #148A and #148B) approximately 105 feet in height and are depicted in **Exhibit 8**. The remaining four structures are proposed as single circuit steel deadend structures (#4A, #4B, #4C, #4D) approximately 95 to 100 feet in height and are depicted in **Exhibit 8**.

29. All transmission lines will be owned, operated, and maintained by KATCo. The estimated transmission line cost is approximately $7,900,000. This cost includes approximately $1,100,000 for engineering, $1,100,000 for materials, and $5,700,000 for construction.

III. HEALTH AND SAFETY

30. The proposed Project will not create any unreasonable risk of danger to public health or safety. The Project will be designed to meet or exceed all requirements of the latest revision of the National Electrical Safety Code ("NESC") under all operating conditions as well as FirstEnergy's current design criteria.

31. FirstEnergy's design criteria require that 138 kV transmission lines have a designed vertical conductor-to-ground clearance of 26 feet. This design value exceeds the NESC minimum of 20.6 feet by a margin of 5.4 feet. In general, FirstEnergy's clearance criteria exceed the NESC minimums by various margins ranging from two feet to seven feet, depending on the voltage and specific clearance measurement. The transmission line's maximum operating temperature will be 212 degrees Fahrenheit.

32. The design, construction, and operation of the Project will meet or exceed all applicable safety standards established by the Occupational Safety and Health Administration ("OSHA"). Moreover, the Project will be constructed in accordance with the Company's standard construction practices to perform all work safely. All work will be performed in keeping with NESC, OSHA, and all other applicable state and federal requirements.

IV. DESCRIPTION OF RIGHT OF WAY

33. The proposed Project will be located within the existing 100-foot-wide ROW. The affected transmission lines will remain on the existing centerline within the ROW. The section of new conductor will be added to existing double circuit structures that are currently only housing

one circuit.

34. The proposed new structures and structure replacements will be installed along the centerline of the existing transmission line, within the existing ROW, except for proposed structure #4B. Structure #4B will be placed outside of Stoney Springs Substation on a parcel owned by KATCo.

35. The existing easements allow for the proposed structure installations. No new structures are proposed to be located on properties that do not currently have a structure, with the exception of the parcel owned by KATCo. No new easements are required for the Project. KATCo will coordinate with all affected landowners for temporary access to support construction as needed.

V. LAND USE AND ENVIRONMENTAL EVALUATION

36. As explained above, construction of the proposed Project will take place entirely within the existing ROW for the existing Harrison City-Hempfield-Luxor 138 kV Transmission Line (including the taps to North Oakford and South Oakford substations) and on one parcel owned by KATCo. Therefore, it is anticipated that the proposed Project will have minimal incremental impacts on land use in the area.

37. A field review for wetlands and streams in the Project Area was conducted by GAI in September 2024, April 2025, and July 2025. Fourteen wetlands, fourteen stream segments, and one pond were identified within the Project study area. A copy of the Wetland Delineation and Stream Identification Report dated August 2025 is included as **Exhibit 9**. No structures are planned to be placed in any of the identified features. Temporary wetland impacts associated with access and construction efforts will be minimized to the greatest extent practicable through engineering design and construction and access planning. Timber matting will be used to minimize

potential impacts to wetlands, and streams will be air-bridged during access and construction. Existing access roads are proposed to be used to the extent practicable, and non-existing access roads are proposed to be restored to original vegetative cover following construction.

38. Individual National Pollutant Discharge Elimination System Permits for construction stormwater discharges will be prepared and submitted for approval to the Westmoreland Conservation District ("WCD") and the PA Department of Environmental Protection's Southwest Regional Office. The Project was designed to follow the riparian buffer requirements in Section 102.14 of the Pennsylvania Code. A permit will also be prepared and submitted to WCD to register the stream and wetland equipment crossings and the aerial crossings with the conductors.

39. A PNDI review was conducted in September 2025. The PNDI online tool returned a conservation measure for the PA Game Commission, no known impacts to species regulated by the Pennsylvania Department of Conservation and Natural Resources and Pennsylvania Fish and Boat Commission ("PFBC"), and potential impact for species regulated by the U.S. Fish and Wildlife Service ("USFWS").

40. In response to the USFWS potential impact, GAI used the USFWS's Information for Planning and Consultation system to generate a species list to identify threatened, endangered, proposed, and candidate species that may occur within the boundary of the Project. The following species were identified: federally endangered Indiana bat (Myotis sodalis), federally endangered northern long-eared bat (Myotis septentrionalis), proposed endangered tricolored bat (Perimyotis subflavus), and proposed threatened monarch butterfly (Danaus plexippus). According to the USFWS's associated species' determination keys (DKeys), the Project is not likely to adversely affect the northern long-eared bat, tricolored bat, or Indiana bat, if restrictive measures are

followed. The USFWS requests tree removal/trimming occur outside the summer active season for the bats, September 30 to April 1. Tree removal/trimming should occur from October 1 to March 31. MAIT agreed to implement this restrictive measure, and no further coordination with the USFWS is required. Currently, the USFWS does not require any further action regarding the Monarch Butterfly. The PNDI receipts and correspondence from PGC, PFBC, and USFWS are included as **Exhibit 10.**

41. Consultation with the SHPO was initiated on February13, 2025. The SHPO responded on February 20, 2025, and requested a Phase I archaeological survey be conducted within the Project area. A Phase I archaeological survey was conducted in July 2025. One archaeological site was identified during this survey. A report summarizing the investigation's results and recommending the Project proceed as designed was submitted to the SHPO on September 18, 2025. In a response letter dated October 17, 2025, the SHPO concurred with the findings and recommendation of the report and indicated no further archaeological work is necessary for the Project. Correspondence from the SHPO is included as **Exhibit 11.**

VI. NOTICE

42. KATCo has provided information regarding the Project to representatives of Hempfield and Salem townships, and Westmoreland County. These entities have not objected to the proposed Project. Copies of the Letter of Notification will be served upon all state agencies, federal agencies, county agencies, municipalities, and landowners in accordance with 52 Pa. Code § 57.72(d)(3).

VII. LETTER OF NOTIFICATION

43. KATCo is proceeding by means of a Letter of Notification, instead of a full Application, pursuant to the Commission's regulations at 52 Pa. Code § 57.72(d)(1)(i) and (d)(1)(v).

44. The proposed Project qualifies for use of a Letter of Notification because the Project is a high voltage ("HV") line which is proposed to be located entirely on an existing transmission line right-of-way and the size, character design or configuration of the proposed HV line does not substantially alter the right-of-way. *See* 52 Pa. Code § 57.72(d)(1)(i). In addition, the proposed Project qualifies for use of a Letter of Notification because it is an HV line which is to be reconductored or reconstructed and the size, character design or configuration of the proposed HV line does not substantially alter the right-of-way. *See* 52 Pa. Code § 57.72(d)(1)(v).

45. This Letter of Notification is filed on the date set forth below. As provided in 52 Pa. Code § 57.72(d)(5), the Commission will review and, by order, approve or disapprove this Letter of Notification. If the Commission approves this Letter of Notification, the proposed Project will be constructed as proposed herein without the formal application process set forth at 52 Pa. Code §§ 57.71, *et seq*.

WHEREFORE, Keystone Appalachian Transmission Company respectfully requests that the Commission review and approve the proposed Harrison City-Hempfield-Luxor 138 Kilovolt Transmission Line Reconfiguration Project in Hempfield and Salem Townships, Westmoreland County, Pennsylvania, as explained above and in the Exhibits attached hereto, on or before March 26, 2026.

Tori L. Giesler (ID #207742)
FirstEnergy Service Company
341 White Pond Drive
Akron, OH 44320
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Email: tgiesler@firstenergycorp.com

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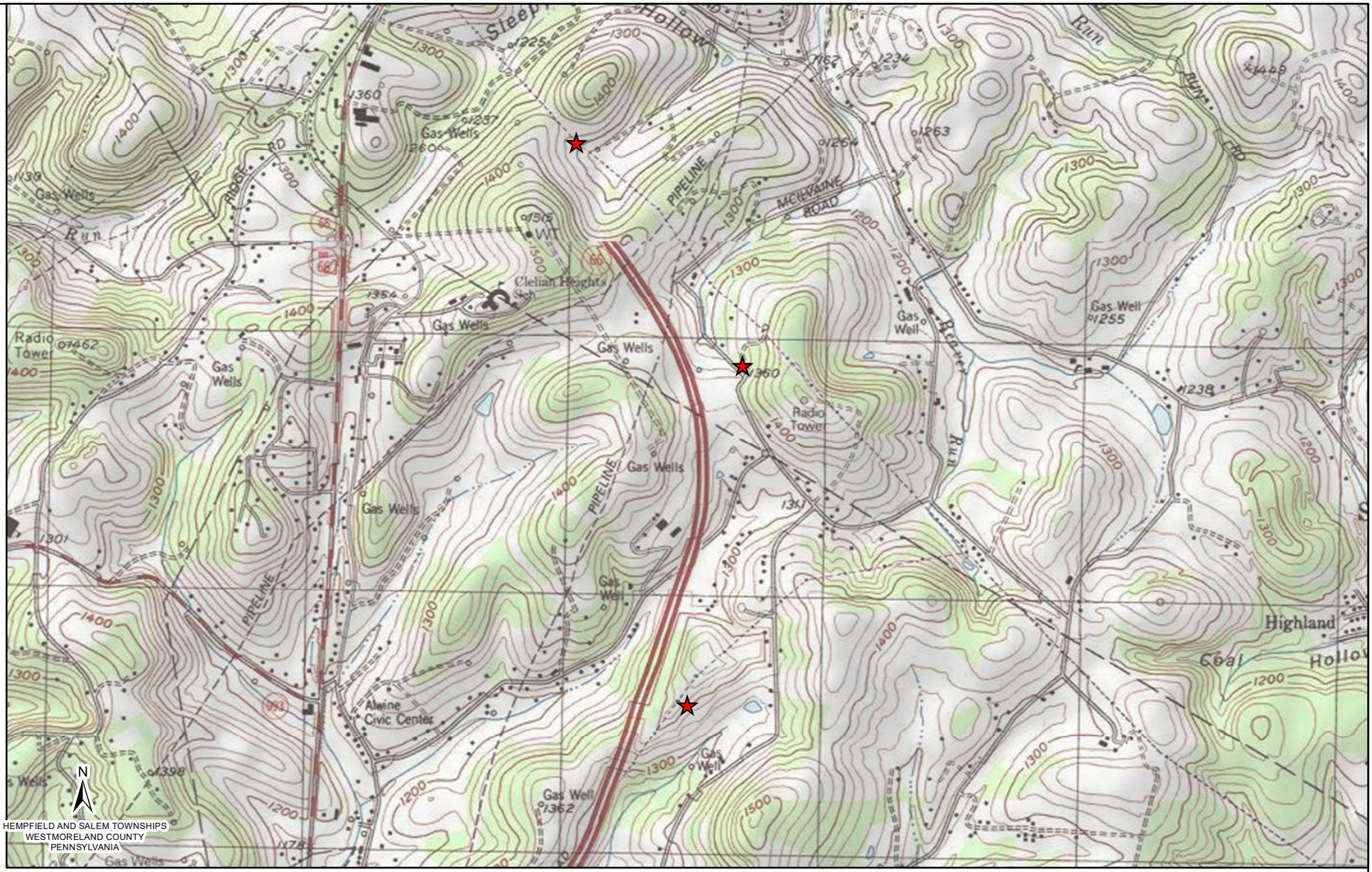
E-mail: glent@postschell.com
Email: mrulli@postschell.com

Attorneys for Keystone Appalachian Transmission Company

Date: February 20, 2026

Exhibit 1



LEGEND:

★ Project Area

0 850 1,700 3,400

Feet

Reference:
USGS Topographical Overlay; PennDOT, PADCNR PAMAP

Coordinate System:
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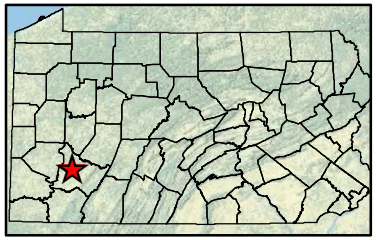


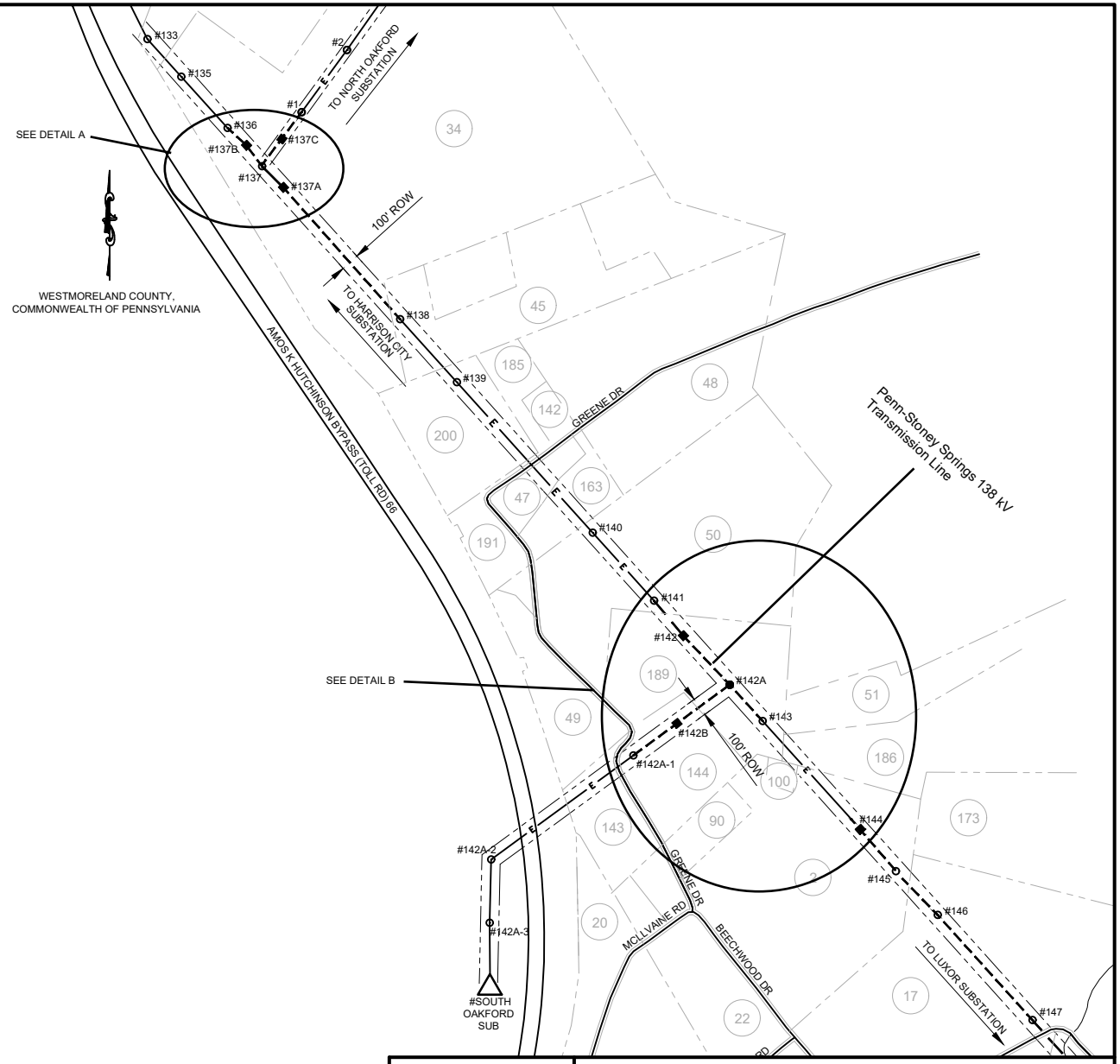
EXHIBIT 1

KATCo™
Keystone Appalachian Transmission Company
A FirstEnergy Company

Harrison City-Hempfield-Luxor 138 kV Transmission Line Reconfiguration Project

Exhibit 2

	PARCEL DATA
34	PIN #: 57-18-00-0-034 Owner's NAME: KUHNS, LINDA K & DONALD G
45	PIN #: 57-18-00-0-045 Owner's NAME: CIGICH, JOSEPH G & MARY ANN TR
200	PIN #: 57-18-00-0-200 Owner's NAME: BRINKER, RONALD KEITH ETAL
185	PIN #: 57-18-00-0-185 Owner's NAME: BRINKER, RONALD KEITH
142	PIN #: 57-18-00-0-142 Owner's NAME: BRINKER, RONALD KEITH
47	PIN #: 57-18-00-0-047 Owner's NAME: BRENTZEL, ZACHARY A & ASHLEY C
191	PIN #: 57-18-00-0-191 Owner's NAME: GREENE, DAVID & JACQUELINE
163	PIN #: 57-18-00-0-163 Owner's NAME: BRINKER, DANIEL C & BRENDA L
48	PIN #: 57-18-00-0-048 Owner's NAME: BUSH, RICHARD LEE ETAL TRUSTEES
50	PIN #: 57-18-00-0-050 Owner's NAME: CAUGHEY, TODD J & PAMELA JO
49	PIN #: 57-18-00-0-049 Owner's NAME: JOHNSTON, THOMAS G & CAROL S
189	PIN #: 57-18-00-0-189 Owner's NAME: RETHAGE, BILLY LEE & ERICA J
144	PIN #: 57-18-00-0-144 Owner's NAME: CAUGHEY, TODD J & PAMELA JO
143	PIN #: 57-18-00-0-143 Owner's NAME: CAUGHEY, TODD J & PAMELA JO
100	PIN #: 57-18-00-0-100 Owner's NAME: AT&T COMMUNICATIONS OF PA
90	PIN #: 57-18-00-0-090 Owner's NAME: CAUGHEY, TODD J & PAMELA J
2	PIN #: 57-22-00-0-002 Owner's NAME: HOFFMAN, VINTON D & TERESA A
20	PIN #: 50-03-00-0-020 Owner's NAME: JOHNSTON, THOMAS G & CAROL S
22	PIN #: 50-03-00-0-022 Owner's NAME: HOFFMAN, VINTON D & TERESA A
17	PIN #: 57-22-00-0-017 Owner's NAME: HENEHAN, DANIEL J & STACEY M
173	PIN #: 57-18-00-0-173 Owner's NAME: JOHNSON, MARGARET & DONALD B
186	PIN #: 57-18-00-0-186 Owner's NAME: URICK, PAUL D & SUSAN M
51	PIN #: 57-18-00-0-051 Owner's NAME: EBERSOLE, DAVID K JR & JULIE A



LEGEND

- △ - EXISTING SUBSTATION
- ■ - NEW SWITCH STRUCTURE
- ● - NEW OR REPLACED STRUCTURE
- ⊙ - EXISTING STRUCTURE
- – – – – - TRANSFERRED LINE
- ——— E ——— - EXISTING TRANSMISSION LINE
- △ - EXISTING SUBSTATION
- ——— ○○○ ——— - WATERBODY
- ——————— - ROAD
- ——————— - PROPERTY LINE
- ——————— - EXISTING R/W
- —— – —— – —— - TRANSMISSION R/W

KATCo
Keystone Appalachian Transmission Company
A FirstEnergy Company

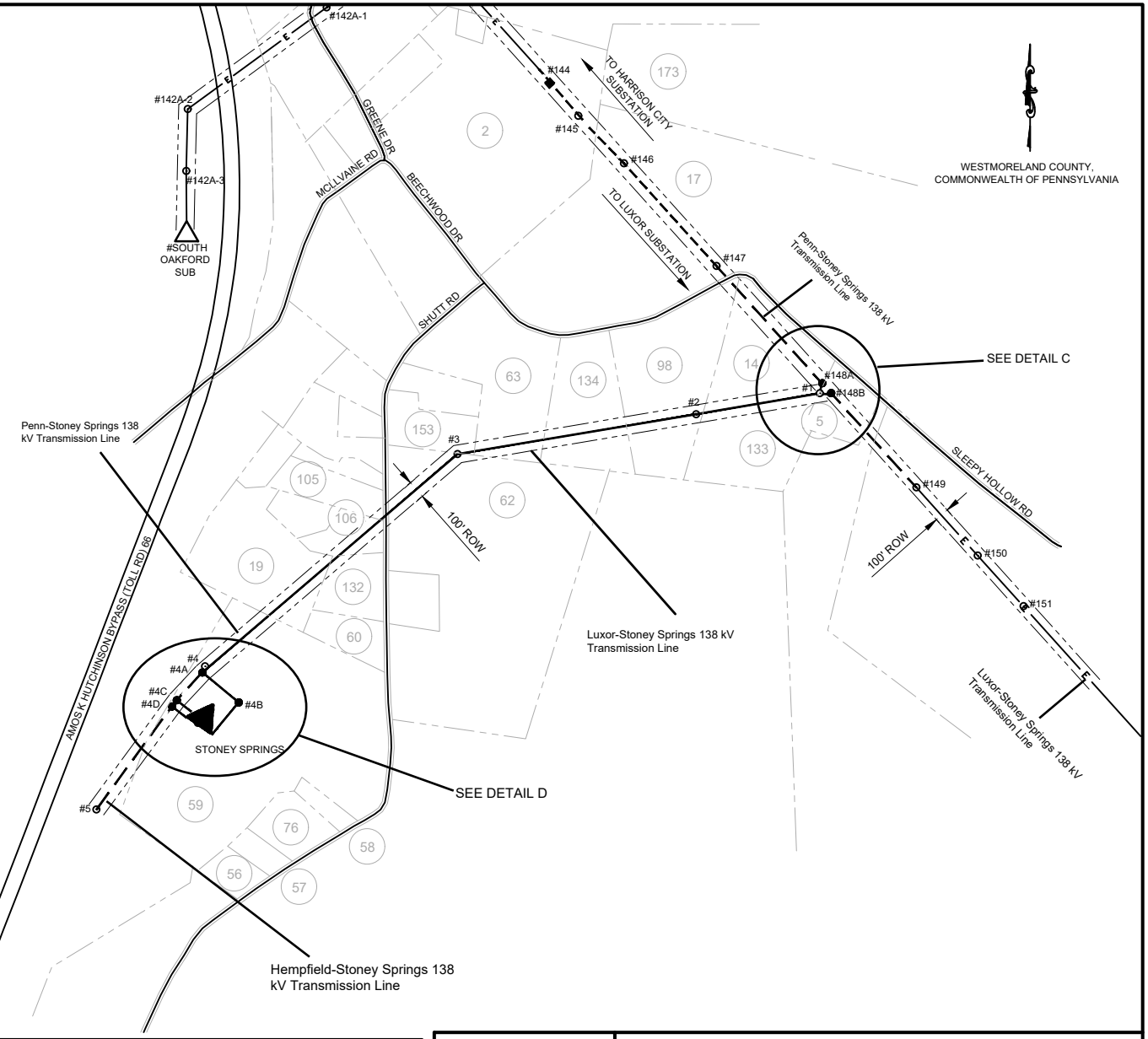
Harrison City-Hempfield-Luxor 138 kV
Transmission Line Reconfiguration Project

GENERAL LAYOUT

EXHIBIT 2

PAPER SIZE: 11X8.5

	PARCEL DATA
59	PIN #: 50-03-00-0-059 Owner's NAME: KEYSTONE APPALACHIAN TRANSMISSION COMPANY
56	PIN #: 50-03-00-0-056 Owner's NAME: COTTRILL, LAWRENCE N
57	PIN #: 50-03-00-0-057 Owner's NAME: STAMPFLE, GLORIA L
76	PIN #: 50-03-00-0-076 Owner's NAME: CRAIG, JAMES R JR & ARLENE M
58	PIN #: 50-03-00-0-058 Owner's NAME: CRAIG, JAMES R JR & ARLENE M
19	PIN #: 50-03-00-0-019 Owner's NAME: DETAR, JOSHUA CALEB
60	PIN #: 50-03-00-0-060 Owner's NAME: CROUSHORE, KERRI ANN + JOHN THOMAS
132	PIN #: 50-03-00-0-132 Owner's NAME: SPOR, JOHN JR
106	PIN #: 50-03-00-0-106 Owner's NAME: SZARAMMA, PATRICIA & FLORENCE C
105	PIN #: 50-03-00-0-105 Owner's NAME: OHR, DONALD C & ANN R
62	PIN #: 50-03-00-0-62 Owner's NAME: MILLER, JOANNE H
153	PIN #: 50-03-00-0-153 Owner's NAME: MARSOLO, JAMES V & BRIDGET L
63	PIN #: 50-03-00-0-063 Owner's NAME: HENEHAN, DANIEL J & STACEYM
134	PIN #: 50-03-00-0-134 Owner's NAME: MCLAUGHLIN, TERRY J & JOYCE D
98	PIN #: 50-03-00-0-098 Owner's NAME: FEDORSKI, DARREN E & AMY
133	PIN #: 50-03-00-0-133 Owner's NAME: EWING, ERIC D & ERIN K
14	PIN #: 57-22-00-0-14 Owner's NAME: EWING, ERIC D & ERIN K
5	PIN #: 57-22-00-0-005 Owner's NAME: BOGGS, CHARLES W
2	PIN #: 57-22-00-0-002 Owner's NAME: HOFFMAN, VINTON D & TERESA A
17	PIN #: 57-22-00-0-017 Owner's NAME: HENEHAN, DANIEL J & STACEY M
173	PIN #: 57-18-00-0-173 Owner's NAME: JOHNSON, MARGARET & DONALD B



LEGEND

- EXISTING SUBSTATION
- NEW SUBSTATION
- NEW SWITCH STRUCTURE
- NEW OR REPLACED STRUCTURE
- EXISTING STRUCTURE
- NEW TRANSMISSION LINE
- TRANSFERRED LINE
- EXISTING TRANSMISSION LINE
- WATERBODY
- ROAD
- PROPERTY LINE
- EXISTING R/W
- TRANSMISSION R/W

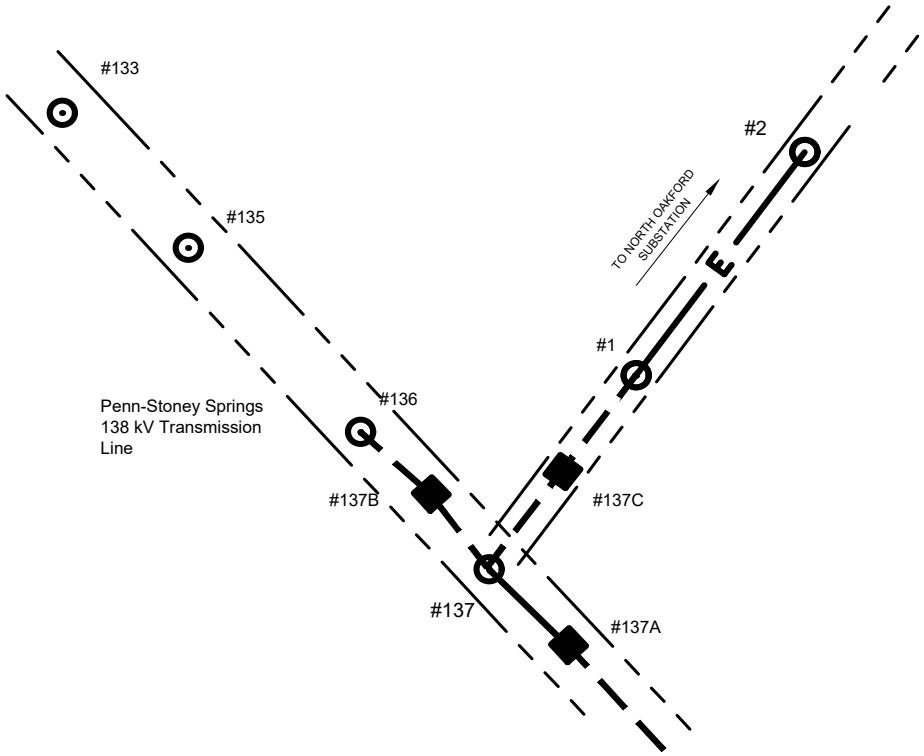
KATCo
Keystone Appalachian Transmission Company
A FirstEnergy Company

Harrison City-Hempfield-Luxor 138 kV
Transmission Line Reconfiguration Project

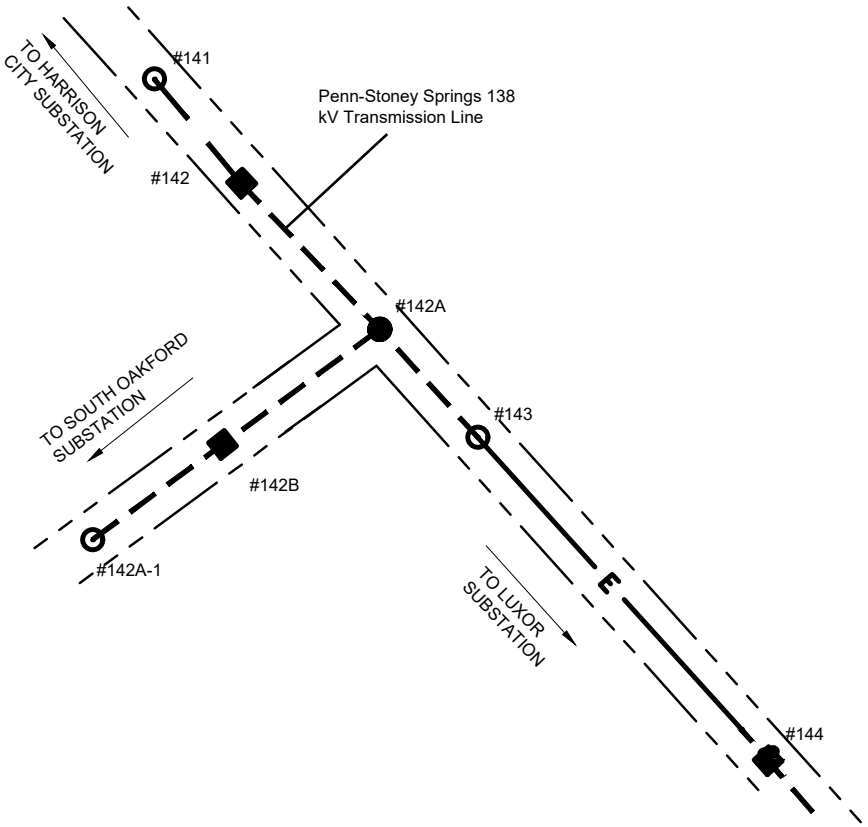
GENERAL LAYOUT

EXHIBIT 2

PAPER SIZE: 11X8.5



DETAIL A



DETAIL B

LEGEND

- EXISTING SUBSTATION
- NEW SWITCH STRUCTURE
- NEW OR REPLACED STRUCTURE
- EXISTING STRUCTURE
- TRANSFERRED LINE
- E — EXISTING TRANSMISSION LINE
- EXISTING SUBSTATION
- WATERBODY
- ROAD
- PROPERTY LINE
- EXISTING R/W
- TRANSMISSION R/W

PAPER SIZE: 11X8.5

KATCo
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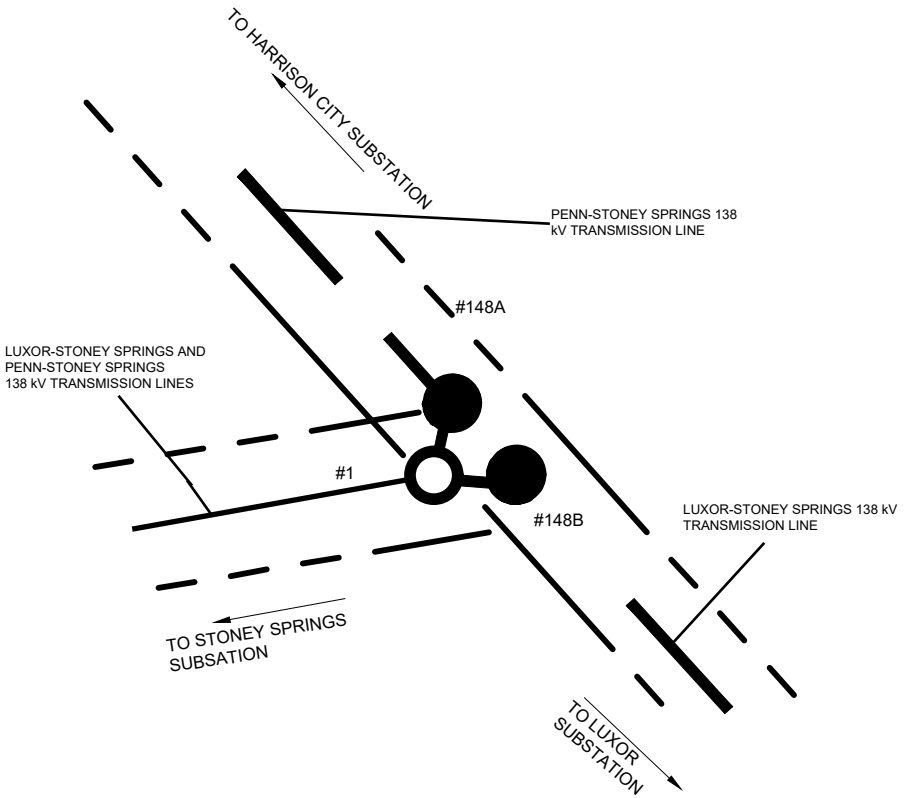
A FirstEnergy Company

Harrison City-Hempfield-Luxor 138 kV
Transmission Line Reconfiguration Project

GENERAL LAYOUT

EXHIBIT 2 - DETAIL A & B



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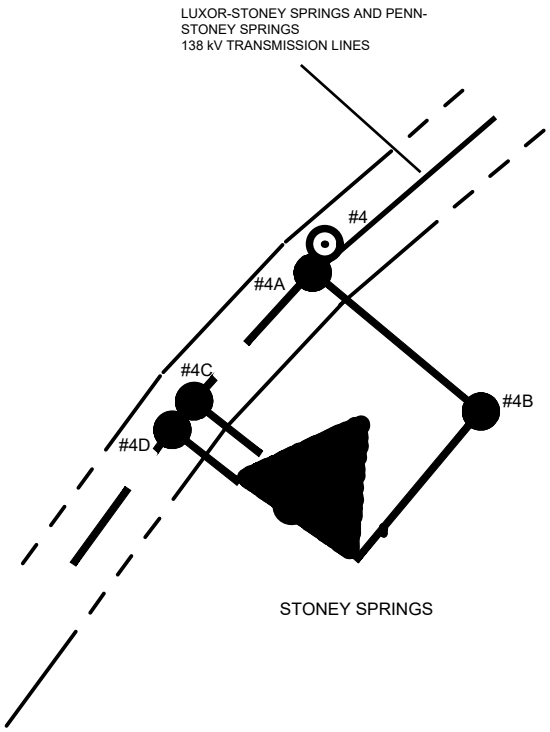


DETAIL D

LEGEND

- EXISTING SUBSTATION
- NEW SUBSTATION
- NEW SWITCH STRUCTURE
- NEW OR REPLACED STRUCTURE
- EXISTING STRUCTURE
- NEW TRANSMISSION LINE
- TRANSFERRED LINE
- EXISTING TRANSMISSION LINE
- WATERBODY
- ROAD
- PROPERTY LINE
- EXISTING R/W
- TRANSMISSION R/W

KATCo
Keystone Appalachian Transmission Company
A FirstEnergy Company

Harrison City-Hempfield-Luxor 138 kV
Transmission Line Reconfiguration Project

GENERAL LAYOUT

EXHIBIT 2 - DETAIL C & D

PAPER SIZE: 11X8.5

Exhibit 3

Exhibit 3

APS Transmission Zone M-3 Process
Stony Springs Junction Area

Need Number: APS-2023-022

Process Stage: Solution Meeting – 11/15/2024

Previously Presented: Need Meeting – 07/21/2023

Project Driver:

Operational Flexibility and Efficiency

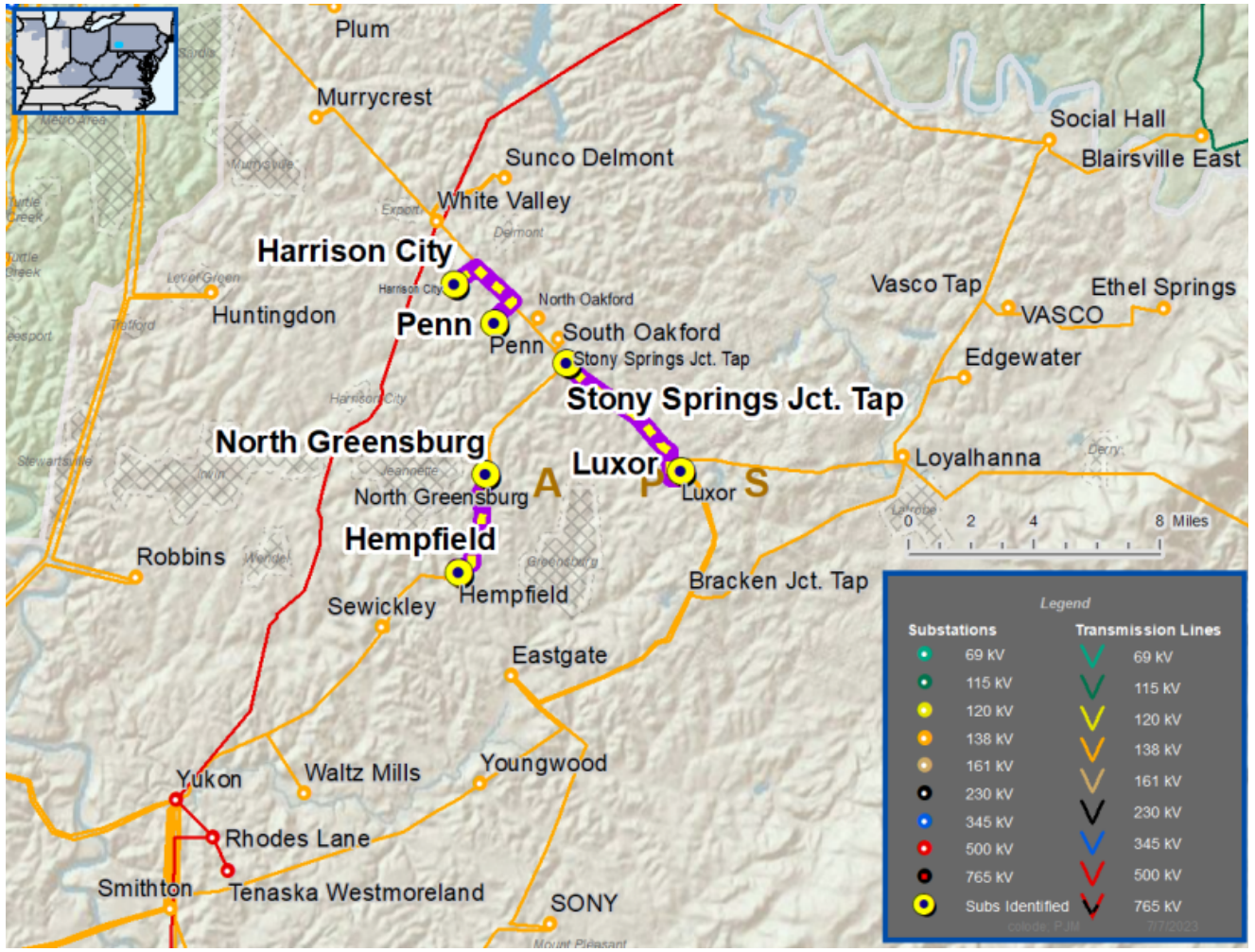
Specific Assumption Reference:

- System reliability and performance
- Load at risk in planning and operational scenarios
- Add/Expand Bus Configuration
- Upgrade Relay Schemes

Problem Statement:

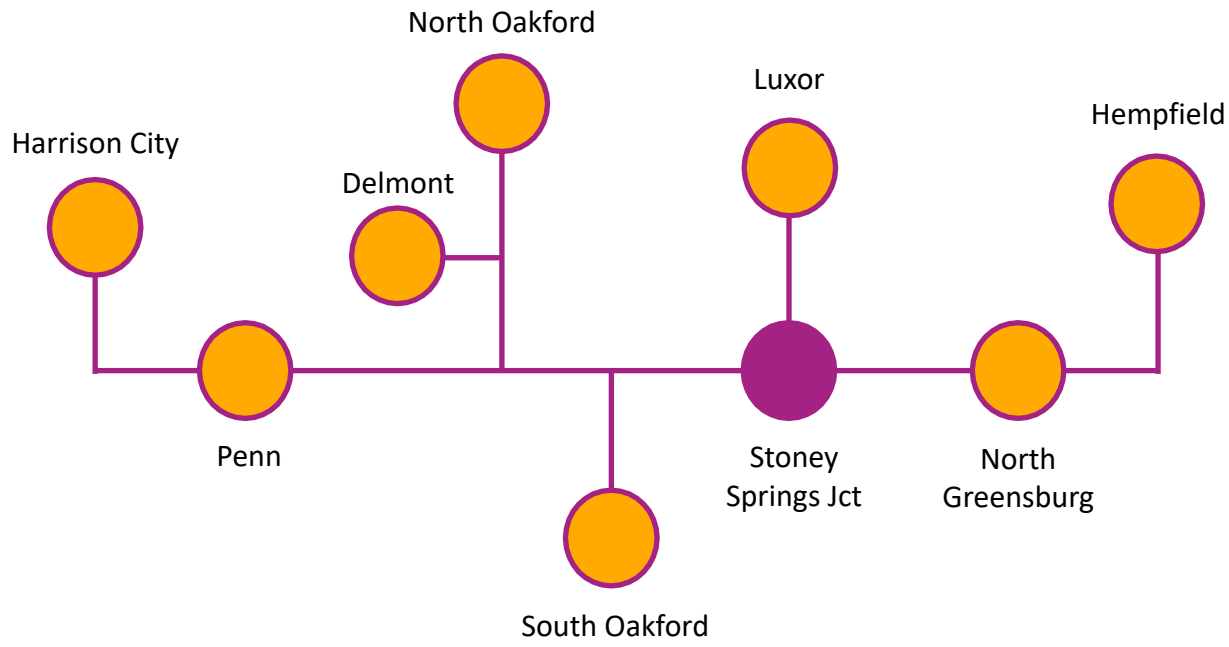
- The Stony Springs Junction (Harrison City - Hempfield – Luxor) 138 kV Line is a three terminal line that provides direct service to over 25,000 customers and provides a transmission network path.
- The multi-terminal line creates difficulties for protective relaying.
- The tap stations on the line lack switches and SCADA.
- Terminals stations are equipped with antiquated relaying schemes and equipment that limits the use of the full capacity of the transmission line conductor.
- There is ~25 MW of load served directly from the line. Additionally, the line has 25 miles of exposure.

Continued on next slide…



APS Transmission Zone M-3 Process
Stony Springs Junction Area

Proposed Solution:



Legend	
500 kV	
345 kV	
230 kV	
138 kV	
115 kV	
69 kV	
46 kV	
34.5 kV	
23 kV	
New	

Alternatives Considered: Build double circuit from Stony Springs Jct to Luxor Substation.

Estimated Project Cost: $13.6M

Projected In-Service: 6/22/2027

Status: Conceptual

Model: 2023 RTEP model for 2028 Summer (50/50)

APS Transmission Zone M-3 Process
Stony Springs Junction Area

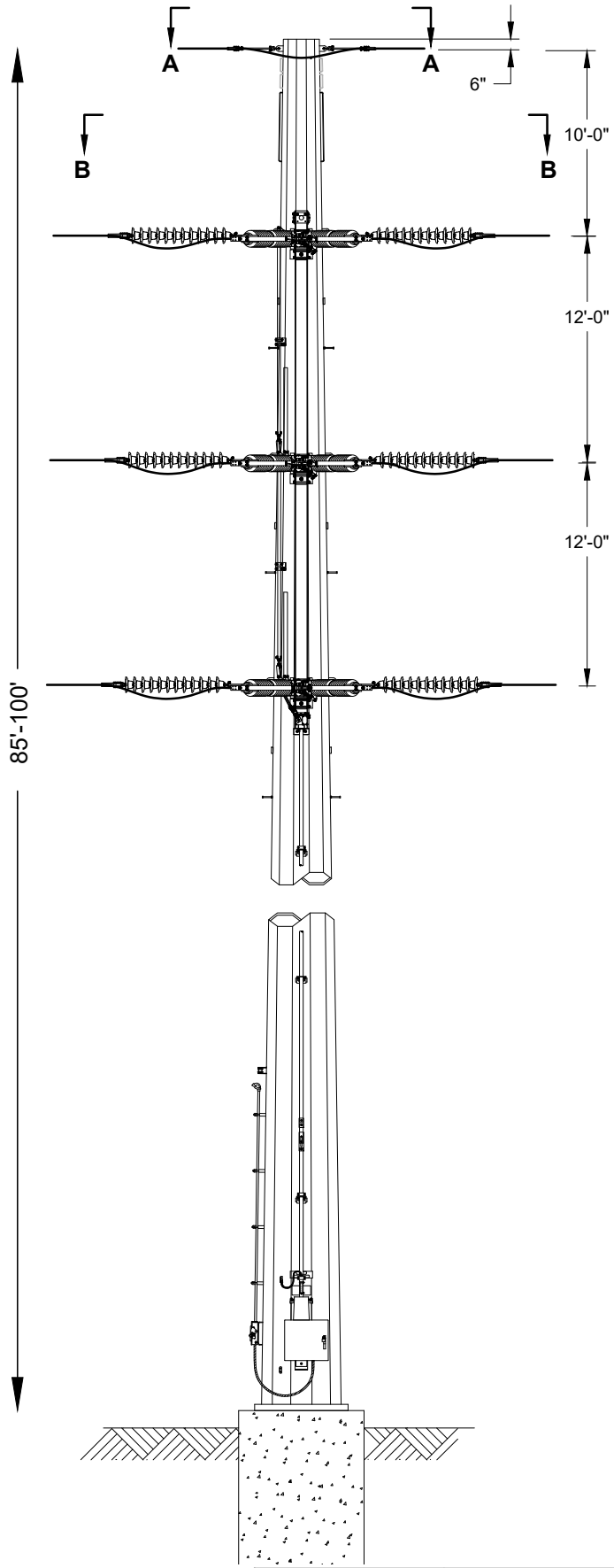
Need #	Transmission Line / Substation Locations	Existing Line Rating MVA (SN / SE / WN / WE)	Existing Conductor Rating MVA (SN / SE / WN / WE)
APS-2023-022	Harrison City – Penn 138 kV Line	242 / 297 / 310 / 351	308 / 376 / 349 / 445
	Penn – North Oakford Tap 138 kV Line	296 / 302 / 332 / 332	296 / 302 / 332 / 332
	North Oakford Tap – South Oakford Tap 138 kV Line	296 / 302 / 332 / 332	296 / 302 / 332 / 332
	North Oakford Tap – Delmont 138 kV Line	221 / 268 / 250 / 317	221 / 268 / 250 / 317
	South Oakford Tap – Stony Springs Junction 138 kV Line	296 / 302 / 332 / 322	296 / 302 / 332 / 322
	Stony Springs Junction – North Greensburg 138 kV Line	308 / 376 / 349 / 445	308 / 376 / 349 / 445
	North Greensburg – Hempfield 138 kV Line	294 / 350 / 349 / 401	308 / 376 / 349 / 445
	Stony Springs Junction – Luxor 138 kV Line	296 / 302 / 332 / 332	296 / 302 / 332 / 332

APS Transmission Zone M-3 Process
Stony Springs Junction Area

Proposed Solution:

Need #	Transmission Line / Substation Locations	New MVA Line Rating (SN / SE / WN / WE)	Scope of Work	Estimated Cost ($M)	Target ISD
APS-2023-022	Harrison City – Penn 138 kV Line	308 / 376 / 349 / 445	▪ At Harrison City Substation: Replace bus and line side breaker risers. ▪ At Penn Substation: Install one line breaker and one bus tie breaker.	$13.6	6/22/2027
	Penn – North Oakford Tap 138 kV Line	296 / 302 / 332 / 332	▪ At North Oakford Tap: Install new disconnect switches equipped with auto-sectionalizing.		
	North Oakford Tap – South Oakford Tap 138 kV Line	296 / 302 / 322 / 332	▪ At South Oakford Tap: Install three switches with SCADA.		
	North Oakford – Delmont 138 kV Line	221 / 268 / 250 / 317	▪ At North Oakford Substation: Install full SCADA control on the existing switch. ▪ At Delmont Substation: Install full SCADA control on the existing switch.		
	South Oakford Tap – Stony Springs Junction 138 kV Line	296 / 302 / 332 / 322	▪ At Stony Springs Junction: Install a three-breaker ring bus and associated relaying.		
	Stony Springs Junction – North Greensburg 138 kV Line	308 / 376 / 349 / 445	▪ At North Greensburg Substation: Replace circuit breaker.		
	North Greensburg – Hempfield 138 kV Line	308 / 376 / 349 / 445	▪ At Hempfield: Replace line circuit breaker, disconnect switches and associated relaying.		
	Stony Springs Junction – Luxor 138 kV Line	296 / 302 / 332 / 367	▪ At Luxor Substation: Replace circuit breaker, substation conductor, breaker risers on both sides of breaker and relaying.		

Exhibit 4



KATCo™
Keystone Appalachian Transmission Company
A FirstEnergy Company

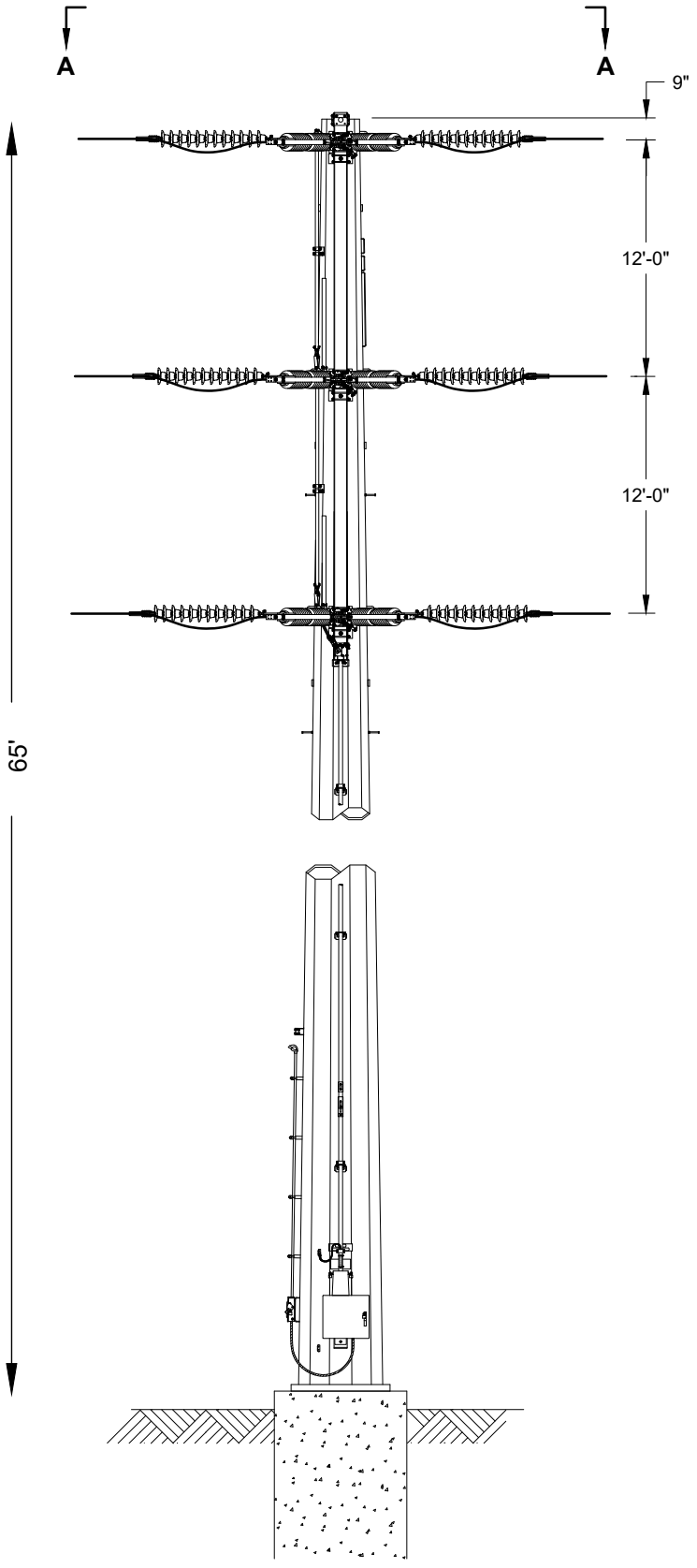
Harrison City-Hempfield-Luxor 138 kV Transmission Line Reconfiguration Project

138kV SINGLE CKT TUBULAR STEEL UNITIZED 2000A SW. STR. W/ WHIP OR SINGLE BOTTLE INTERRUPTER VERT. SINGLE POLE W/ SHIELD WIRE

Exhibit 4

SCALE: NTS

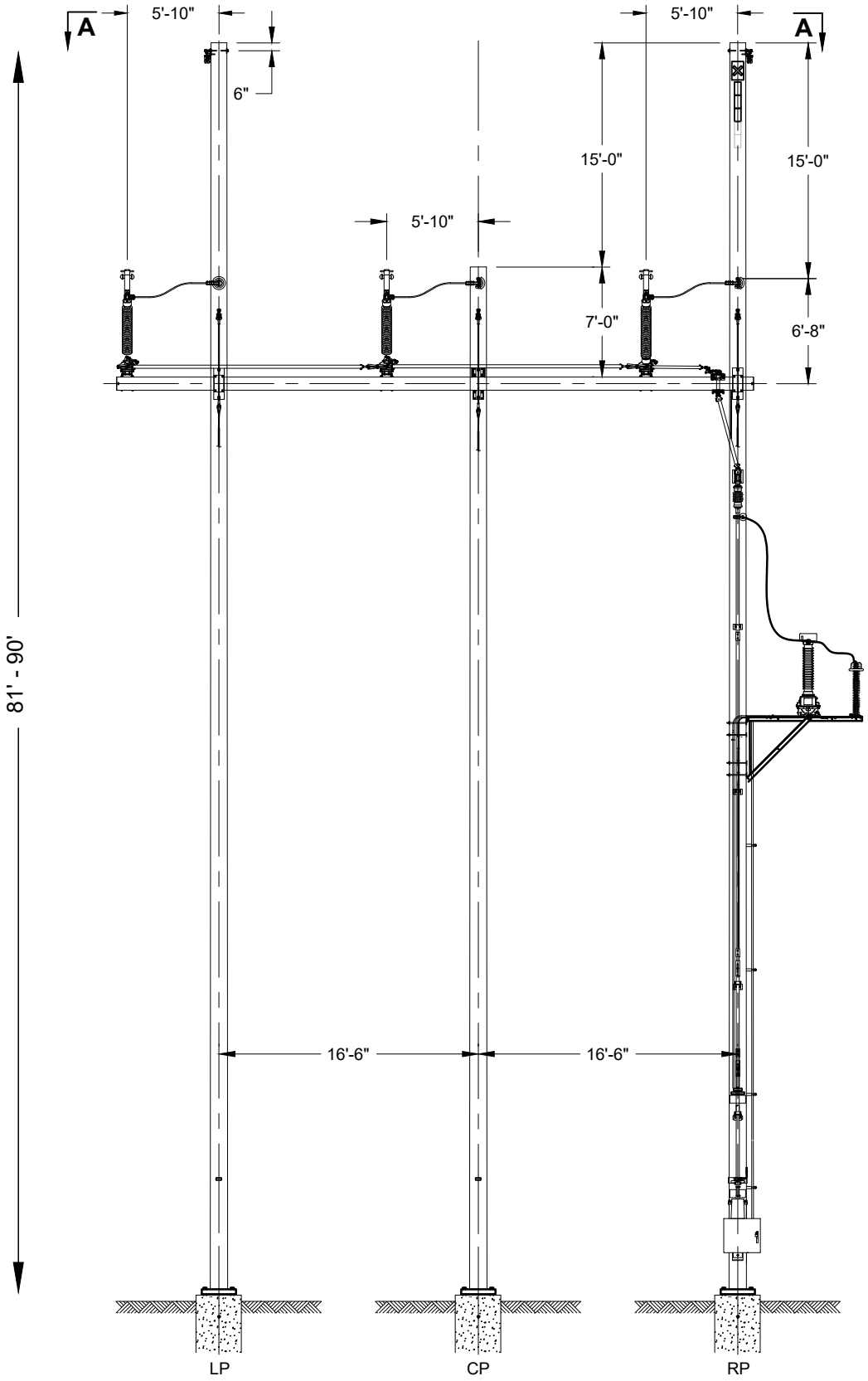
Exhibit 5



KATCo™ Keystone Appalachian Transmission Company A FirstEnergy Company	Harrison City-Hempfield-Luxor 138 kV Transmission Line Reconfiguration Project
138kV SINGLE CKT TUBULAR STEEL UNITIZED 2000A SW. STR. W/ WHIP OR SINGLE BOTTLE INTERRUPTER VERT. SINGLE POLE W/OUT SHIELD WIRE	
Exhibit 5	

SCALE: NTS

Exhibit 6



KATCo™
Keystone Appalachian Transmission Company
A FirstEnergy Company

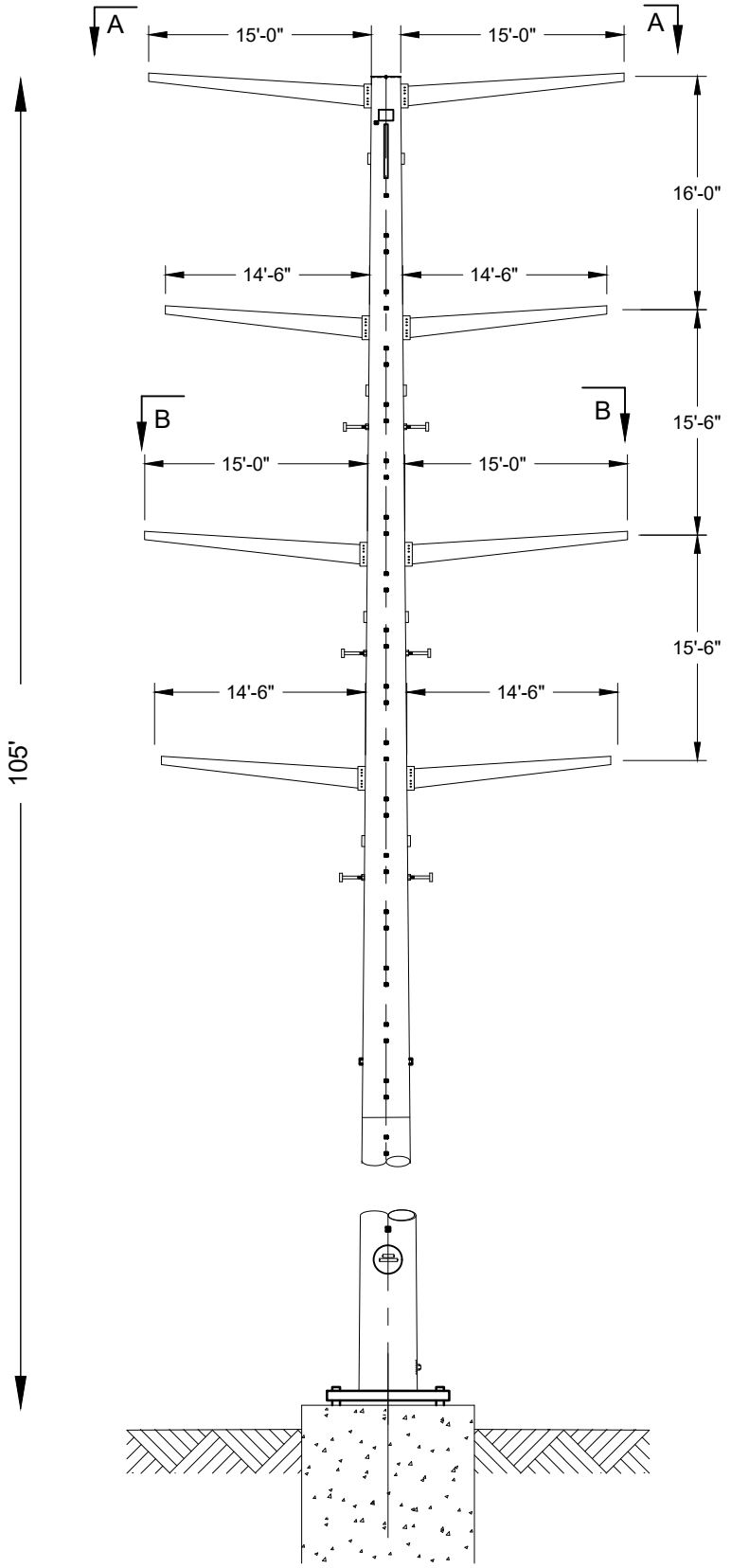
Harrison City-Hempfield-Luxor 138 kV
Transmission Line Reconfiguration Project

138kV SINGLE CKT TUBULAR STEEL UNITIZED 2000A SW. STR. W/ WHIP
OR SINGLE BOTTLE INTERRUPTER HORZ. 3 POLESTR 0° TO 3° W/ SHIELD WIRE

Exhibit 6

SCALE: NTS

Exhibit 7



KATCo™
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A FirstEnergy Company

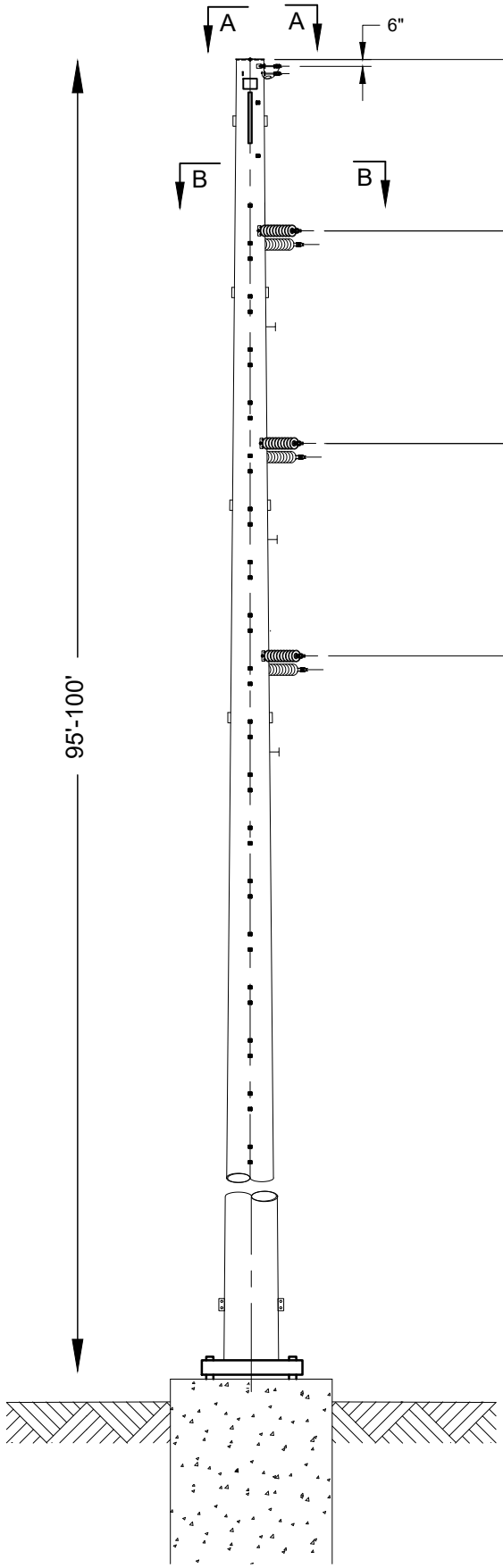
Harrison City-Hempfield-Luxor 138 kV Transmission Line Reconfiguration Project

138kV DOUBLE CKT TUBULAR STEEL STRUCTURE
DEADEND SINGLE POLE

Exhibit 7

SCALE: NTS

Exhibit 8



KATCo™
Keystone Appalachian Transmission Company
A FirstEnergy Company

Harrison City-Hempfield-Luxor 138 kV
Transmission Line Reconfiguration Project

138kV SINGLE CIRCUIT TUBULAR STEEL STRUCTURE
DEADEND SINGLE POLE

Exhibit 8

SCALE: NTS

Exhibit 9

Exhibit 9

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Wetland Delineation and Stream Identification Report

Keystone Appalachian Transmission Company, a First Energy Corporation
Stoney Springs Junction Project
Westmoreland County, Pennsylvania

GAI Project Number: R230731.00, Task 001

August 2025

KATCo™
Keystone Appalachian Transmission Company
A FirstEnergy Company

Prepared by: GAI Consultants, Inc.
Pittsburgh Office
385 East Waterfront Drive
Homestead, Pennsylvania 15120-5005

Prepared for: Keystone Appalachian Transmission Company, A FirstEnergy Corporation
800 Cabin Hill Drive
Greensburg, Pennsylvania 15601-0001

Wetland Delineation and Stream Identification Report

Keystone Appalachian Transmission Company, A FirstEnergy Corporation Stoney Springs Junction Project Westmoreland County, Pennsylvania

GAI Project Number: R230731.00, Task 001

August 2025

Prepared for:
Keyston Appalachian Transmission Company,
A FirstEnergy Corporation
800 Cabin Hill Drive
Greensburg, Pennsylvania 15601-0001

Prepared by:
GAI Consultants, Inc.
Pittsburgh Office
385 East Waterfront Drive
Homestead, Pennsylvania 15120-5005

Table of Contents

1.0 Introduction

GAI Consultants, Inc. (GAI), on behalf of Keystone Appalachian Transmission Company (KATCo), a FirstEnergy Corporation (FE), completed a wetland delineation and stream identification survey for the Stoney Springs Junction Project (Project) located in Westmoreland County, Pennsylvania (PA) (Figure 1).

The Project consists of the installation of multiple switches and SCADA (Supervisory Control and Data Acquisition) control on the Hempfield-Harrison City-Luxor 138kV Transmission Line (Stoney Springs Junction) and the conversion of Stoney Springs Junction to a 3-breaker ring bus. Project components include:

- The construction of a new substation, Stoney Springs Substation, on an approximately 23-acre parcel;
- The installation of a loop line to tie Hempfield-Harrison City-Luxor 138kV Transmission Line to the proposed substation;
- The installation of three switches with SCADA control at the North Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the North Oakford 138 kV Tap Line); and
- The installation of three switches with SCADA control at the South Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the South Oakford 138 kV Tap Line).

The Project is located in the Brush Creek (HUC: 050200050702) and Beaver Run Reservoir-Beaver Run (HUC: 050100080203) watersheds.

This report details the wetland delineation and stream identification surveys conducted in the Project study area in September 2024, and April and July 2025 to determine the existence of jurisdictional aquatic resources. The study area is defined on Figure 2.

Photographs of identified wetland and waterbody features are included in Appendices A and B, respectively. The United States Army Corps of Engineers (USACE) Wetland Determination Data Forms are provided in Appendix C, and the resume(s) of the field staff conducting the wetland delineations and stream identifications are provided in Appendix D.

2.0 Methods

2.1 Wetlands

The USACE's 1987 *Wetlands Delineation Manual* (USACE, 1987) and the applicable *Regional Supplements to the Corps of Engineers Wetland Delineation Manual* (Regional Supplements) (USACE, 2012) describe the methods used to identify and delineate wetlands that fall under the jurisdiction of the USACE and the PA Department of Environmental Protection (PADEP). In conducting the wetland investigation, GAI completed preliminary data gathering and an onsite inspection in accordance with the Wetland Delineation Manual.

2.1.1 Preliminary Data Gathering

The preliminary data gathering was used to compile and review information that may be helpful in identifying wetlands and/or areas that warrant further inspection during the investigation. The preliminary data gathering included a review of the following:

- Federal Emergency Management Agency (FEMA), National Flood Hazard Layer Web Map Service (FEMA, 2024) (Figure 2),

- United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS) Soil Mapping (USDA, 2024) (Figure 2),
- United States Fish and Wildlife Service (USFWS), National Wetlands Inventory (NWI) mapping (USFWS, 2024) (Figure 2), and
- USGS 7.5-minute Topographic Mapping: Greenburg (USGS 1980), and Slickville (USGS 1970) (Figure 1).

Topographic mapping was used to identify mapped streams and the overall shape of the landscape in the Project area to determine potential locations for wetlands, such as floodplains and depressions. NWI mapping was used to determine locations where probable wetlands are located based on infrared photography. FEMA 100-year floodplain mapping was reviewed to determine the location of mapped floodplains. Soil mapping was reviewed to determine the location and extent of mapped hydric soils that contain hydric components and that may contain wetlands.

2.1.2 Onsite Inspection

The methodology described in the *Wetlands Delineation Manual* (USACE, 1987) identifies areas meeting the definition of jurisdictional wetland by evaluating three parameters: hydrology, vegetation, and soil. During the onsite inspection, GAI staff trained in using the USACE Wetland Delineation Manual traversed the study area on foot to determine presence of wetland indicators, including wetland hydrology, hydrophytic vegetation, and/or hydric soils. Observation points were established in potential wetlands and corresponding upland points. Wetland Determination Data Forms were completed at each observation location to determine if all three wetland indicators were present.

The presence of wetland hydrology was determined by examining the observation point for primary and secondary indicators of wetland hydrology. The presence of any primary indicator signified the presence of wetland hydrology, and the presence of two or more secondary indicators signified the presence of wetland hydrology.

Vegetation was characterized by four different strata. This included trees (more than three inches in diameter at breast height [DBH]), saplings/shrubs (less than three inches in DBH and more than 3.28 feet tall), herbs, and woody vines. The area vegetation that was sampled varied for each stratum. Trees and woody vines were sampled within a 30-foot radius. Saplings and shrubs were sampled within a 15-foot radius. Herbs were sampled within a five-foot radius.

When evaluating an area for the presence of hydrophytes, classification of the indicator status of vegetation was based on *The National Wetland Plant List: 2020 Update of Wetland Ratings* (Lichvar et al., 2020). The list of possible indicator statuses for plants is as follows:

- Obligate Wetland (OBL): Obligate wetland plants occur in standing water or in saturated soils.
- Facultative Wetland (FACW): Facultative wetland plants nearly always occur in areas of prolonged flooding or require standing water or saturated soil but may on rare occasions, occur in non-wetlands.
- Facultative (FAC): Facultative plants occur in a variety of habitats, including wetland and mesic to xeric non-wetland habitats but often occur in standing water or saturated soils.
- Facultative Upland (FACU): Facultative upland plants typically occur in xeric or mesic non-wetland habitats but may frequently occur in standing water or saturated soils.

- Obligate Upland (UPL): Obligate upland plants almost never occur in water or saturated soils.

Presence of hydrophytic vegetation was determined by using a Dominance Test or Prevalence Index (USACE, 1987 and 2012). Hydrophytic vegetation was considered present based on the Dominance Test if over 50 percent of present species are FAC, FACW, and/or OBL. The Prevalence Index weighs the total percentage of vegetation cover based on the indicator status of each plant. Hydrophytic vegetation was considered present when the Prevalence Index is less than or equal to three.

To determine the presence of hydric soils, soil data was collected by digging a 16-inch soil pit. The soil profile was studied and described, while possible hydric indicators were examined. Soil indicators described in the Wetlands Delineation Manual and Regional Supplement were used to determine the presence of hydric soils. The presence of these indicators signified hydric soil.

If all three parameters, including wetland hydrology, a dominance of hydrophytic vegetation, and hydric soils, were identified at a single observation point, the area was determined to be a wetland. Once a wetland was identified, the boundary was delineated.

Wetland boundaries were determined by looking for locations in which one of the three wetland indicators would transition into an upland characteristic. When the transition was identified, a Wetland Determination Data Form was completed in the Upland Area. Wetland boundaries were then marked in the field using pink flagging labeled “wetland boundary.” The locations of the flags were recorded using a Global Positioning System (GPS) unit. Each wetland was codified with a unique identifier indicating the type of feature (W), state where the feature is located (PA), initials of the field personnel (BJY), and number. An example wetland code is WPA-BJY-001.

Wetlands were then classified using the Classification of Wetlands and Deepwater Habitats of the United States (Cowardin et al., 1979) as modified for NWI Mapping Convention. This system classifies wetlands based on topographic position and vegetation type. Palustrine system wetlands found in the study area are classified as Palustrine Emergent (PEM), Palustrine Forested (PFO), Palustrine Scrub-Shrub (PSS), and Palustrine Unconsolidated Bottom (PUB) based on aerial coverage of the vegetative community across the extent of the wetland within the study area (Cowardin et al., 1979).

2.2 Waterbodies

As with wetlands, Section 404 of the Clean Water Act and state regulations protect waterbodies in PA. Generally, waterbodies are defined as environmental features that have defined beds and banks, ordinary high-water mark (OHWM), and contain flowing or standing water for at least a portion of the year.

2.2.1 Preliminary Data Gathering

During the preliminary data gathering, the USGS 7.5-minute topographic mapping was examined for the presence of mapped waterbodies including perennial and intermittent streams. In addition, the topographic mapping was used to identify areas likely to contain unmapped waterbodies including ephemeral streams (USGS, 2024) (Figure 1).

2.2.2 Onsite Inspection

During the onsite inspection, the study area was traversed, concurrently with wetland inspection, and waterbodies were identified based on the morphological and hydrologic characteristics of the channel and the presence of aquatic macroinvertebrates.

When a waterbody was identified, field measurements were collected and included the following: bank-to-bank width, bottom width, wetted width, water depth, channel depth, and depth of OHWM, when apparent. The data was recorded in a field notebook. Waterbodies were then delineated using white flagging marked with the GAI stream code (e.g., SPA-BJY-001). The tops of bank for streams wider than 10 feet were delineated and the centerline of smaller streams were delineated. The locations of the flags were recorded using a GPS unit.

3.0 Results

3.1 Wetlands

3.1.1 Preliminary Data Gathering

A desktop review of the available USFWS NWI digital data for the Project revealed two NWI mapped PUB ponds/wetlands located within the Project study area (USFWS, 2024).

According to the USDA-NRCS soil mapping, twelve soil units are located within the study area (Figure 2), including no hydric soil units.

3.1.2 Onsite Inspection

Indicators of wetlands were observed during the onsite inspection. Fourteen wetlands were identified and delineated within the study area. Information on the delineated wetlands are provided in Table 1. Wetland Determination Data Forms are included in Appendix C.

3.2 Waterbodies

3.2.1 Preliminary Data Gathering

A desktop review of the available USFWS NWI for the Project revealed that three mapped stream segments are located within the Project study area. (USGS, 2024).

3.2.2 Onsite Inspection

Fourteen stream segments and one pond were identified during the onsite inspection. Information on the delineated waterbodies and their classifications is provided in Table 2.

4.0 Conclusion

Wetland delineation and waterbody identification field surveys were conducted within the Project study area in September 2024, and April and July 2025. Fourteen wetlands, fourteen stream segments, and one pond were identified within the Project study area. Summaries of the features are provided in Tables 1 and 2, and a map of their locations is provided in Figure 2. Data forms documenting the investigations are provided in Appendix C. The resume(s) of field staff that conducted the surveys are provided in Appendix D.

5.0 References

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United States Geological Survey. 1970 Slickville 7.5-Minute Topographic Quadrangle (1:24,000).

TABLES

Table 1

Wetlands Identified Within the Project Study Area

Wetland I.D.[1]	Latitude[2]	Longitude[2]	Wetland Classification[3]	Size (acres)[4]	Open-Ended[5]	Exceptional Value[6]	NWI[7]
WPA-BJY-001	40.362833	-79.543346	PEM	0.057	No	No	No
WPA-BJY-002	40.366357	-79.546358	PEM	0.004	No	No	No
WPA-JGG-001 (extension of WPA-JRW-001)	40.358391	-79.554755	PEM/PFO	0.235	No	No	No
WPA-JGG-002	40.358709	-79.554447	PUB	0.618	No	No	Yes
WPA-JGG-003	40.357938	-79.553822	PEM	0.033	No	No	No
WPA-JRW-001	40.357970	-79.555654	PEM	0.025	No	No	No
WPA-JRW-002	40.361266	-79.555248	PEM	0.025	No	No	No
WPA-JRW-003	40.361027	-79.555139	PEM	0.025	No	No	No
WPA-JRW-004	40.361346	-79.554961	PEM	0.010	No	No	No
WPA-JRW-005	40.361440	-79.554484	PEM	0.052	No	No	No
WPA-JRW-006	40.363514	-79.549274	PEM	0.007	No	No	No
WPA-JRW-007	40.364125	-79.545015	PEM	0.034	No	No	No
WPA-JRW-008	40.370427	-79.554049	PEM	0.015	No	No	No
WPA-JRW-009	40.377116	-79.560897	PEM	0.054	No	No	No

Notes:

1 GAI map designation.
2 Coordinates provided in North American Datum, 1983.
3 Based on Cowardin Classification system (Cowardin et al., 1979): PEM - Palustrine Emergent, PUB – Palustrine Unconsolidated Bottom, and PFO – Palustrine Forested.
4 Wetland size as delineated in the field and measured using Geographic Information System (GPS) unit within study area.
5 Open-ended wetlands extend outside of the Project study area.
6 Wetlands are classified as exceptional value (EV) according to 25 Pa. Code §105.17.
7 NWI wetland as mapped by the USFWS (USFWS, 2024).

Table 2

Waterbody Identified Within the Project Study Area

GAI I.D.[1]	Waterbody	Stream Type	Designated Use and/or Existing Use Stream Classification[2]	Wild Trout[3,7]	Stocked Trout[4]	Bank-to-Bank Width (feet)[5]	Channel Depth (feet)	Bottom Width (feet)	Water Depth (inches)	Latitude[6]	Longitude[6]
SPA-BJY-001	UNT to Beaver Run	Perennial	HQ-CWF	No	No	4	3	2	5	40.362890	-79.542962
SPA-BJY-002	UNT to Beaver Run	Perennial	HQ-CWF	No	No	7	5	4	12	40.382060	-79.556521
SPA-JGG-001 (extension of SPA-JRW-001)	UNT to Brush Creek	Perennial	TSF	No	No	3	2	1	0.5	40.358326	-79.554443
SPA-JGG-002	UNT to Brush Creek	Intermittent	TSF	No	No	3	2	0.75	0.25	40.358028	-79.553949
SPA-JRW-001	UNT to Brush Creek	Perennial	TSF	No	No	4	3	1	1.0	40.357360	-79.556513
SPA-JRW-002	UNT to Brush Creek	Intermittent	TSF	No	No	3	2	0.5	0.5	40.361070	-79.555292
SPA-JRW-003	UNT to Brush Creek	Intermittent	TSF	No	No	3	1	0.5	0.0	40.361362	-79.554859
SPA-JRW-004	UNT to Brush Creek	Intermittent	TSF	No	No	6	1	1	0.0	40.363459	-79.549211
SPA-JRW-005	Beaver Run	Perennial	HQ-CWF	No	No	2	1	0.5	0.1	40.364131	-79.545032
SPA-JRW-007	UNT to Beaver Run	Intermittent	HQ-CWF	No	No	3	1	1	0	40.377363	-79.560821
SPA-JRW-008	UNT to Beaver Run	Ephemeral	HQ-CWF	No	No	6	2	2	0	40.377594	-79.561272
SPA-JRW-009	UNT to Beaver Run	Ephemeral	HQ-CWF	No	No	4	1	2	0	40.377826	-79.561387
SPA-JRW-010	UNT to Beaver Run	Ephemeral	HQ-CWF	No	No	4	3	2	0	40.377568	-79.561168
PPA-BJY-001	Pond – 0.027 acres	NWI Wetland[8]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	40.363746	-79.544543

Notes:

1 GAI map designation.

2 Existing use obtained from PA Code Title 25, Chapter 93 and eMapPA: HQ-CWF-High-Quality Cold-Water Fishes.

3 As classified by the PA Fish and Boat Commission (PFBC) as a Class A Wild Trout Waters, Bureau of Fisheries website: http://www.fishandboat.com/Fish/PennsylvaniaFishes/Trout/Documents/trout_repro.pdf or as a Stream Section that Supports Natural Reproduction of Trout, Bureau of Fisheries website: http://www.fish.state.pa.us/trout_repro.pdf.

4 Regional listings of approved trout waters information provided by PFBC website: https://www.fishandboat.com/Fish/Pennsylva.niaFishes/Trout/Pages/TroutWaterClassifications.aspx.

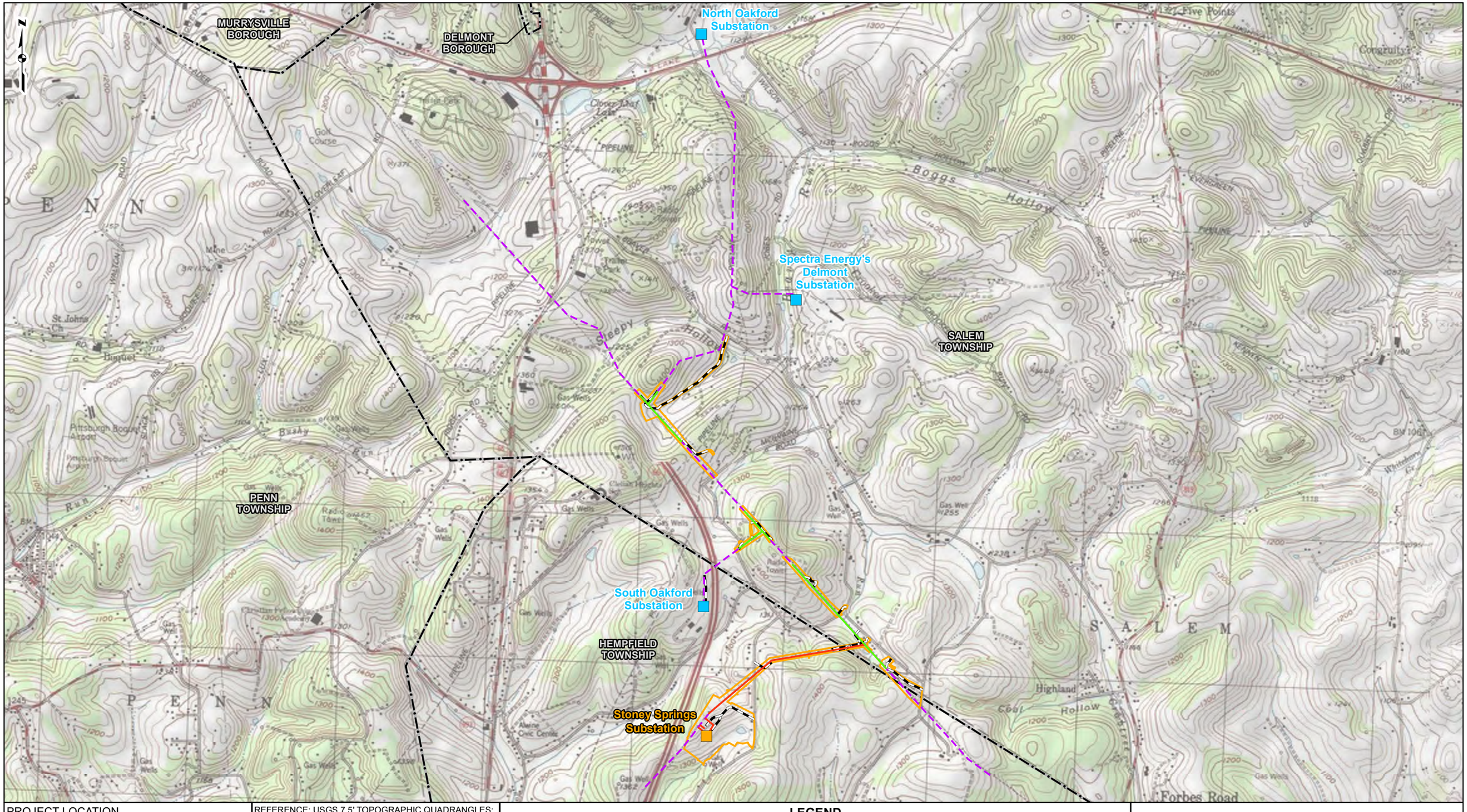
5 Approximate width of stream from bank-to-bank, measured in feet.

6 North American Datum, 1983.

7 Tributary to a stream segment identified as a stream section that Supports Natural Reproduction of Trout.

8 NWI wetland as mapped by the USFWS (USFWS, 2024).

FIGURES



PROJECT LOCATION

WESTMORELAND COUNTY, PENNSYLVANIA

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LEGEND

- Proposed Substation
- Existing Substation
- New/Replaced Conductor
- Transferred Line
- Existing Transmission
- Access Road
- Environmental Study Area
- Municipal Boundary

0 1,000 2,000 4,000 Feet

FIGURE 1
PROJECT LOCATION MAP

STONEY SPRINGS
JUNCTION PROJECT
FIRSTENERGY CORPORATION

DRAWN BY: JAP
CHECKED: SBC
DATE: 8/7/2025
APPROVED: RVM

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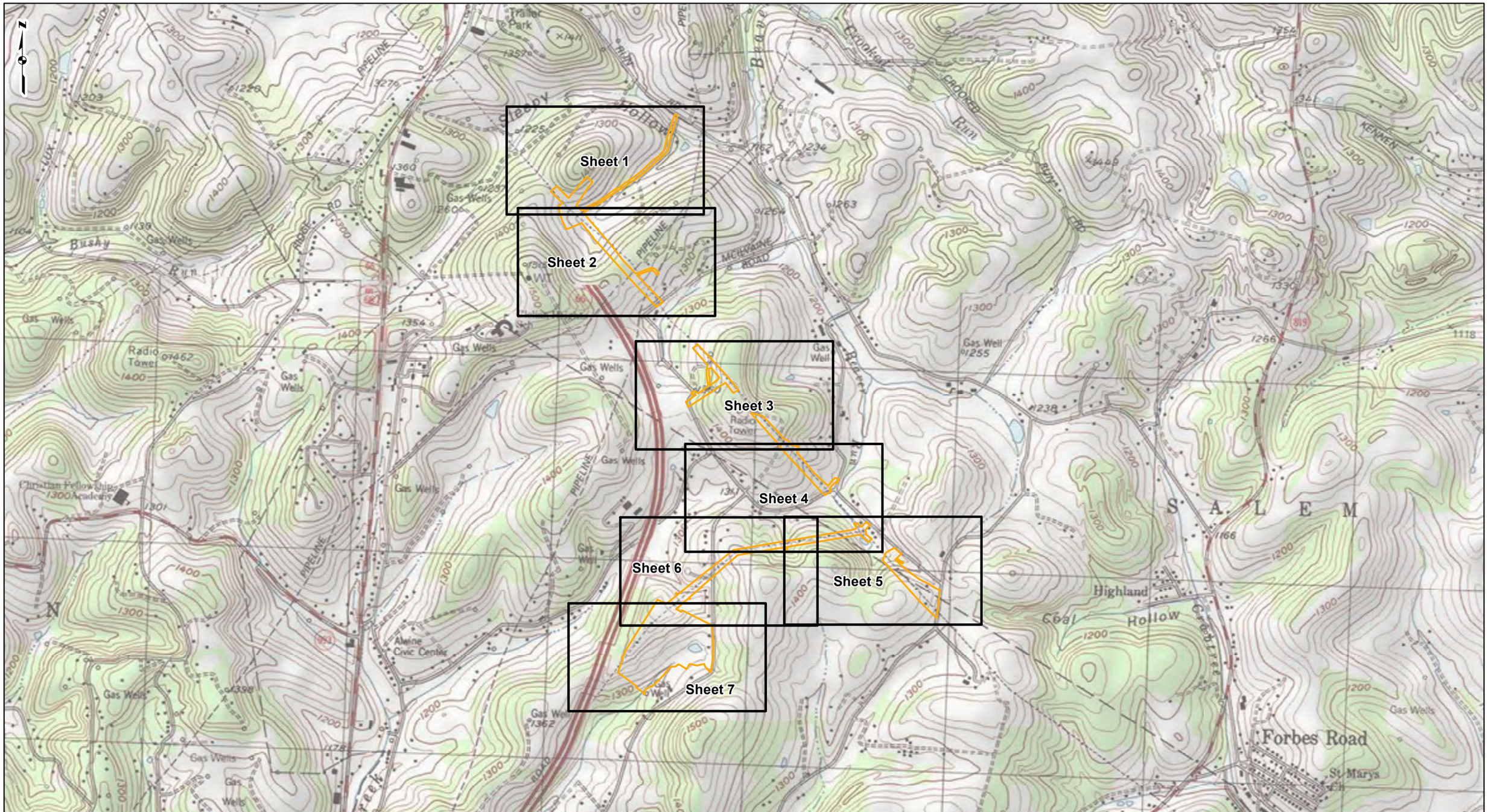

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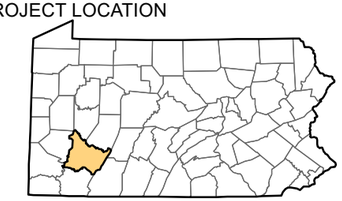

WESTMORELAND COUNTY, PENNSYLVANIA

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LEGEND

- Environmental Study Area
- Sheet Index

0 750 1,500 3,000 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET INDEX

STONEY SPRINGS
JUNCTION PROJECT
FIRSTENERGY CORPORATION

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DRAWN BY: JAP DATE: 8/7/2025
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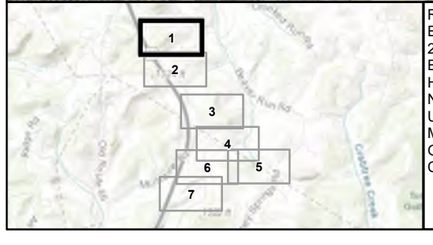

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LEGEND

- Existing Culvert
- Soil Test Pit
- Upland Data Point
- Wetland Data Point
- Stormwater Feature
- Stream
- Open-Ended Boundary
- 2-Ft Contour
- Pond
- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 1 OF 7

STONEY SPRINGS
JUNCTION PROJECT
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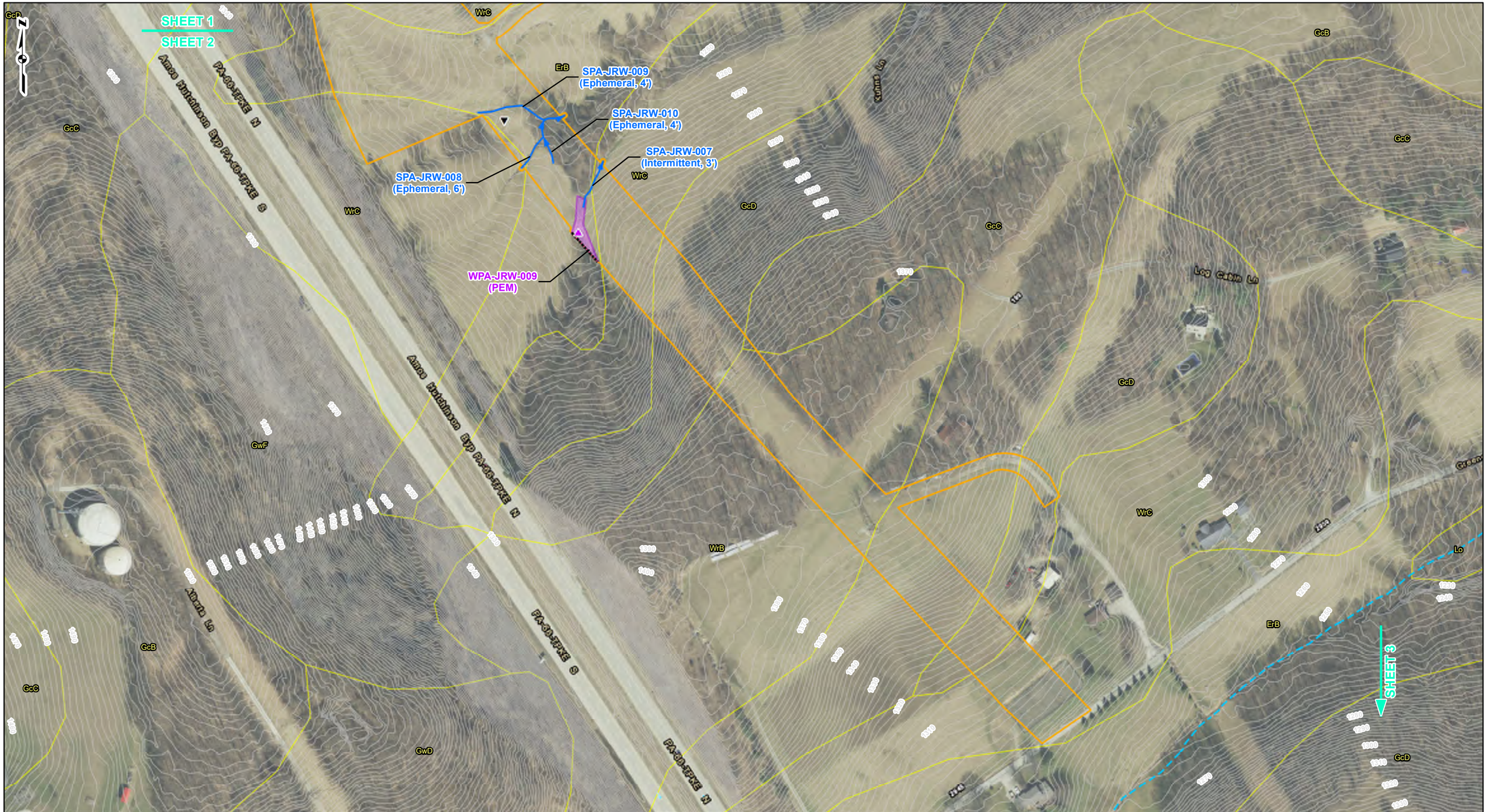

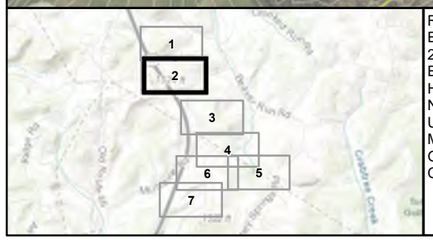

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LEGEND

- Existing Culvert
- Soil Test Pit
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- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 2 OF 7

STONEY SPRINGS
JUNCTION PROJECT
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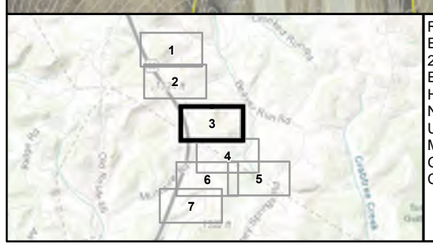

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LEGEND

- Existing Culvert
- Soil Test Pit
- Upland Data Point
- Wetland Data Point
- Stormwater Feature
- Stream
- Open-Ended Boundary
- 2-Ft Contour
- Pond
- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 3 OF 7

STONEY SPRINGS
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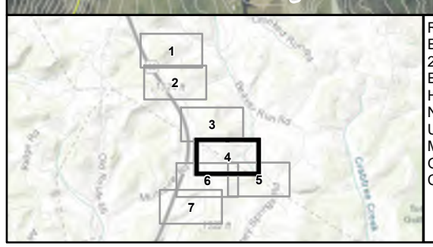

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LEGEND

- Existing Culvert
- Soil Test Pit
- Upland Data Point
- Wetland Data Point
- Stormwater Feature
- Stream
- Open-Ended Boundary
- 2-Ft Contour
- Pond
- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 4 OF 7

STONEY SPRINGS
JUNCTION PROJECT
FIRSTENERGY CORPORATION

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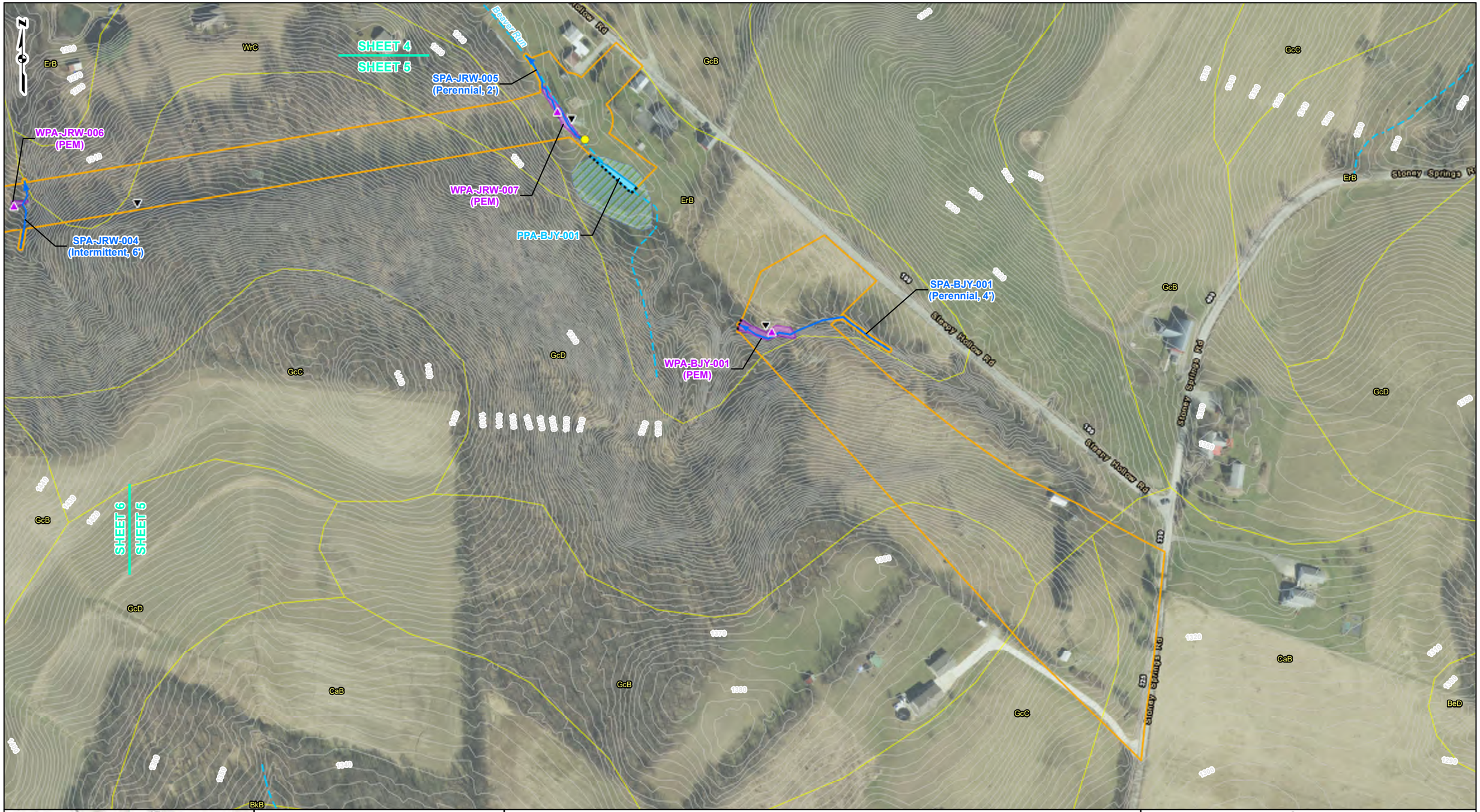

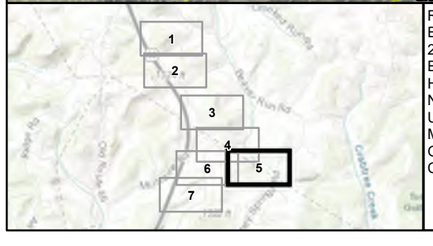

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LEGEND

- Existing Culvert
- Soil Test Pit
- Upland Data Point
- Wetland Data Point
- Stormwater Feature
- Stream
- Open-Ended Boundary
- 2-Ft Contour
- Pond
- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 5 OF 7

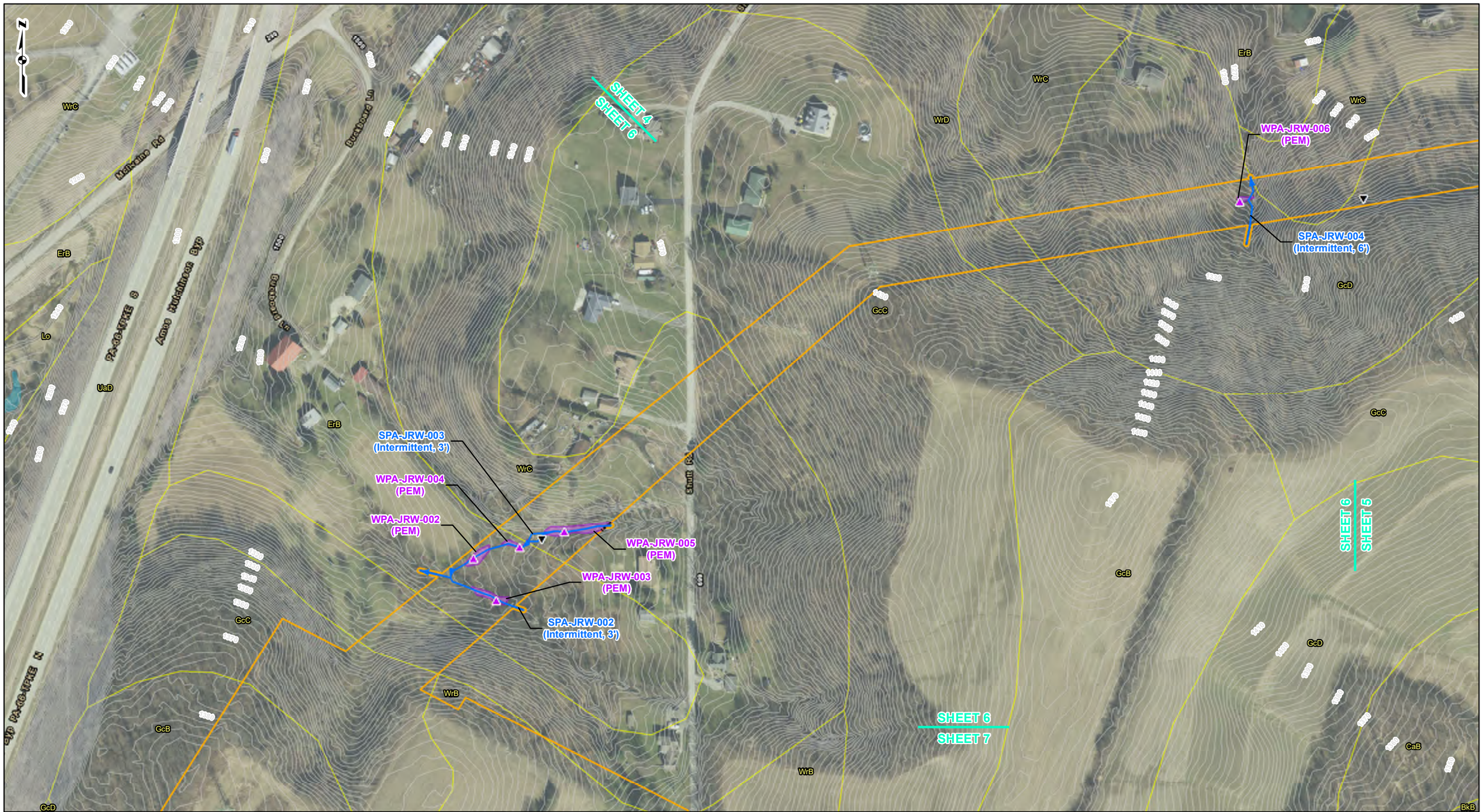
STONEY SPRINGS
JUNCTION PROJECT
FIRSTENERGY CORPORATION

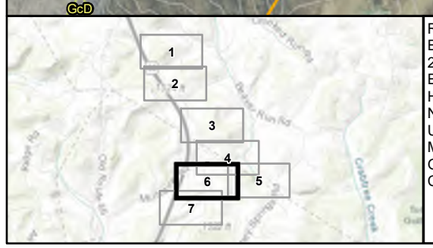
gai consultants

FirstEnergy

DRAWN BY: JAP
CHECKED: SBC
DATE: 8/7/2025
APPROVED: RVM

G:_2023\R230731.00 - GIS\MXD\WDSIR\Fig2_Resource_Location_2025_08_07.mxd





REFERENCE: AERIAL IMAGERY, PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY (PEMA), 2018-2020, ACCESSED 08/2025. WORLD TRANSPORTATION, ESRI, ARCGIS ONLINE, ACCESSED 08/2025. NATIONAL HYDROGRAPHY DATASET (NHD) STREAMS, USGS, 2023. NATIONAL WETLAND INVENTORY (NWI) WETLANDS, USFWS, 2024. FLOODPLAINS, FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), 2024. SOIL SURVEY GEOGRAPHIC (SSURGO) DATABASE, USDA/NRCS, 2024. CONTOUR DATA, PA MAP PROGRAM, PA DCNR, 2006.

LEGEND

- Existing Culvert
- Soil Test Pit
- Upland Data Point
- Wetland Data Point
- Stormwater Feature
- Stream
- Open-Ended Boundary
- 2-Ft Contour
- Pond
- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

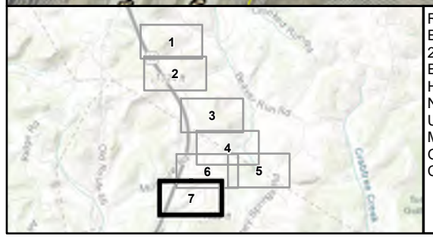
0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 6 OF 7

STONEY SPRINGS
JUNCTION PROJECT
FIRSTENERGY CORPORATION

DRAWN BY: JAP
CHECKED: SBC
DATE: 8/7/2025
APPROVED: RVM

G:_2023\R230731.00 - GIS\MXD\WDSIR\Fig2_Resource_Location_2025_08_07.mxd



REFERENCE: AERIAL IMAGERY, PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY (PEMA), 2018-2020, ACCESSED 08/2025. WORLD TRANSPORTATION, ESRI, ARCGIS ONLINE, ACCESSED 08/2025. NATIONAL HYDROGRAPHY DATASET (NHD) STREAMS, USGS, 2023. NATIONAL WETLAND INVENTORY (NWI) WETLANDS, USFWS, 2024. FLOODPLAINS, FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), 2024. SOIL SURVEY GEOGRAPHIC (SSURGO) DATABASE, USDA/NRCS, 2024. CONTOUR DATA, PA MAP PROGRAM, PA DCNR, 2006.

LEGEND

- Existing Culvert
- Soil Test Pit
- Upland Data Point
- Wetland Data Point
- Stormwater Feature
- Stream
- Open-Ended Boundary
- 2-Ft Contour
- Pond
- Wetland
- Environmental Study Area
- NHD Stream
- NWI Wetland
- 100-Year FEMA Floodplain
- Soil Type Boundary

0 100 200 400 Feet

FIGURE 2
RESOURCE LOCATION MAP
SHEET 7 OF 7

STONEY SPRINGS
JUNCTION PROJECT
FIRSTENERGY CORPORATION

DRAWN BY: JAP
CHECKED: SBC
DATE: 8/7/2025
APPROVED: RVM

G:_2023\R230731.00 - GIS\MXD\WDSIR\Fig2_Resource_Location_2025_08_07.mxd

APPENDIX A
Wetland Photographs

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Wetland WPA-BJY-001
Facing NW (04/23/25)

Wetland WPA-BJY-001
Facing E-SE (04/23/25)

Wetland WPA-BJY-002
Facing NW (04/23/25)

Wetland WPA-BJY-002
Facing E (04/23/25)

Wetland WPA-JGG-001
Facing W-NW (07/31/25)

Wetland WPA-JGG-001
Facing N-NE (07/31/25)

Wetland WPA-JGG-002
Facing S-SW (07/31/25)

Wetland WPA-JGG-002
Facing N-NE (07/31/25)

Wetland WPA-JGG-003
Facing NE (07/31/25)

Wetland WPA-JGG-003
Facing NW (07/31/25)

WPA-JRW-001
Facing N-NE (09/19/24)

WPA-JRW-001
Facing NW (09/19/24)

WPA-JRW-002
Facing SE (09/19/24)

WPA-JRW-002
Facing E-SE (09/19/24)

WPA-JRW-003
Facing N (09/19/24)

WPA-JRW-003
Facing W (09/19/24)

WPA-JRW-004
Facing N (09/19/24)

WPA-JRW-004
Facing S-SE (09/19/24)

WPA-JRW-005
Facing S-SE (09/19/24)

WPA-JRW-005
Facing W (09/19/24)

WPA-JRW-006
Facing S-SE (09/19/24)

WPA-JRW-006
Facing N (09/19/24)

WPA-JRW-007
Facing N-NW (09/19/24)

WPA-JRW-007
Facing NE (09/19/24)

WPA-JRW-008
Facing S (09/20/24)

WPA-JRW-008
Facing S-SW (09/20/24)

WPA-JRW-009
Facing E-NE (09/20/24)

WPA-JRW-009
Facing W-NW (09/20/24)

APPENDIX B
Waterbody Photographs

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Stream SPA-BJY-001
Facing NE (04/23/25)

Stream SPA-BJY-001
Facing E-SE (04/23/25)

Stream SPA-BJY-001
Facing NE (04/23/25)

Stream SPA-BJY-002
Facing S-SW (04/23/25)

Stream SPA-BJY-002
Facing N (04/23/25)

Stream SPA-BJY-002
Facing W-SW (04/23/25)

Stream SPA-BJY-002
Facing SW (04/23/25)

Stream SPA-BJY-002
Facing N-NW (04/23/25)

Stream SPA-JGG-001
Facing E-NE (07/31/25)

Stream SPA-JGG-001
Facing S (07/31/25)

Stream SPA-JGG-001
Facing W (07/31/25)

Stream SPA-JGG-001
Facing W (07/31/25)

Stream SPA-JGG-001
Facing E (07/31/25)

Stream SPA-JGG-002
Facing E-NE (07/31/25)

Stream SPA-JGG-002
Facing S-SW (07/31/25)

Stream SPA-JGG-002
Facing W-NW (07/31/25)

Stream SPA-JGG-002
Facing NW (07/31/25)

Stream SPA-JGG-002
Facing N (07/31/25)

SPA-JRW-001
Facing S (09/19/24)

SPA-JRW-001
Facing W (09/19/24)

SPA-JRW-001
Facing SW (09/19/24)

SPA-JRW-001
Facing W-SW (09/19/24)

SPA-JRW-002
Facing S-SW (09/19/24)

SPA-JRW-002
Facing E-NE (09/19/24)

SPA-JRW-002
Facing E-NE (09/19/24)

SPA-JRW-002
Facing NW (09/19/24)

SPA-JRW-003
Facing W (09/19/24)

SPA-JRW-003
Facing W (09/19/24)

SPA-JRW-003
Facing SW (09/19/24)

SPA-JRW-003
Facing W (09/19/24)

SPA-JRW-004
Facing W-NW (09/19/24)

SPA-JRW-004
Facing N-NE (09/19/24)

SPA-JRW-004
Facing NE (09/19/24)

SPA-JRW-004
Facing N-NE (09/19/24)

SPA-JRW-005
Facing N-NE (09/19/24)

SPA-JRW-005
Facing N-NW (09/19/24)

SPA-JRW-005
Facing N (09/19/24)

SPA-JRW-005
Facing W-SW (09/19/24)

SPA-JRW-007
Facing S-SW (09/20/24)

SPA-JRW-007
Facing W (09/20/24)

SPA-JRW-007
Facing SW (09/20/24)

SPA-JRW-007
Facing SW (09/20/24)

SPA-JRW-008
Facing E-SE (09/20/24)

SPA-JRW-008
Facing NW (09/20/24)

SPA-JRW-008
Facing N (09/20/24)

SPA-JRW-008
Facing SW (09/20/24)

SPA-JRW-009
Facing S (09/20/24)

SPA-JRW-009
Facing E (09/20/24)

SPA-JRW-009
Facing SE (09/20/24)

SPA-JRW-009
Facing E-SE (09/20/24)

SPA-JRW-010
Facing W-NW (09/20/24)

SPA-JRW-010
Facing N-NW (09/20/24)

SPA-JRW-010
Facing N-NW (09/20/24)

SPA-JRW-010
Facing N-NE (09/20/24)

PPA-BJY-001
Facing SW (04/23/25)

APPENDIX C
Wetland Delineation Data Forms

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WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Springs City/County: Westmoreland County Sampling Date: 4/23/2025

Applicant/Owner: First Energy State: PA Sampling Point: WPA-BJY-001

Investigator(s): B. Yasika, A. Kay Section, Township, Range: PA Not Devided by PLSS

Landform (hillslope, terrace, etc.): Toe of Slope Local relief (concave, convex, none): Concave Slope (%): 3%

Subregion (LRR or MLRA): LRR N Lat: 40.362829 Long: -79.543307 Datum: NAD 83

Soil Map Unit Name: ErB: Ernest silt loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** **Yes** ✓ **No** _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

Wetland Dataform for PEM Abutting WPA-BJY-001

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✓ Surface Water (A1)
- ✓ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✓ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✓	No _____	Depth (inches): 1.5
Water Table Present?	Yes ✓	No _____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✓	No _____	Depth (inches): 0

Wetland Hydrology Present? **Yes** ✓ **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-BJY-001

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
	0 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Phalaris arundinacea	90	YES	FACW
2. Impatiense capensis	5	NO	FACW
3. Onoclea sensibilis	5	-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
11.		-	-
12.		-	-
	100 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species		x 4 =	
UPL species		x 5 =	
Column Totals:	0 (A)		0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: WPA-BJY-001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR 3/1	100					Si Lo	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 4+

Hydric Soil Present? **Yes** ✓ **No** ____

Remarks:

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Springs City/County: Westmoreland County Sampling Date: 4/23/2025

Applicant/Owner: First Energy State: PA Sampling Point: WPA-BJY-001

Investigator(s): B. Yasika, A. Kay Section, Township, Range: PA Not Devided by PLSS

Landform (hillslope, terrace, etc.): Toe of Slope Local relief (concave, convex, none): Concave Slope (%): 3%

Subregion (LRR or MLRA): LRR N Lat: 40.362866 Long: -79.543357 Datum: NAD 83

Soil Map Unit Name: ErB: Ernest silt loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

Upland Dataform for WPA-BJY-001

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✓	Depth (inches): _____
Water Table Present?	Yes _____	No ✓	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✓	Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-BJY-001

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
	0 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Podophyllum peltatum	30	YES	FACU
2. Rubus allegheniensis	30	YES	FACU
3. Rosa multiflora	20	NO	FACU
4. Festuca rubra	20	NO	FACU
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
11.		-	-
12.		-	-
	100 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species	100	x 4 =	400
UPL species		x 5 =	
Column Totals:	100 (A)		400 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: WPA-BJY-001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR 4/1	100					Clay	
5-17	10YR 5/4	100					Cl Lo	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Springs City/County: Westmoreland County Sampling Date: 4/23/2025

Applicant/Owner: First Energy State: PA Sampling Point: WPA-BJY-002

Investigator(s): B. Yasika, A. Kay Section, Township, Range: PA Not Devided by PLSS

Landform (hillslope, terrace, etc.): Roadside Local relief (concave, convex, none): Concave Slope (%): 3%

Subregion (LRR or MLRA): LRR N Lat: 40.366319 Long: -79.546364 Datum: NAD 83

Soil Map Unit Name: ErB: Ernest silt loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** **Yes** ✓ **No** _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

Wetland Dataform for PEM Adjacent WPA-BJY-002

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✓ Surface Water (A1)
- ✓ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✓ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✓ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✓	No _____	Depth (inches): 1
Water Table Present?	Yes ✓	No _____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✓	No _____	Depth (inches): 0

Wetland Hydrology Present? **Yes** ✓ **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: WPA-BJY-002

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
	0 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Carex sp. *	50	YES	FACW
2. Phalaris arundinacea	35	YES	FACW
3. Juncus effusus	15	NO	FACW
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
11.		-	-
12.		-	-
	100 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

* Young Carex sp., no seed head present - Assume FACW indication.

SOIL

Sampling Point: WPA-BJY-002

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-2	5Y 3/2	100					Muck	
2-12	5Y 5/1	85	10YR 3/3	15	C	PL	Cl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 12+

Hydric Soil Present? Yes ✓ No ____

Remarks:

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Springs City/County: Westmoreland County Sampling Date: 4/23/2025

Applicant/Owner: First Energy State: PA Sampling Point: WPA-BJY-002

Investigator(s): B. Yasika, A. Kay Section, Township, Range: PA Not Devided by PLSS

Landform (hillslope, terrace, etc.): Roadside Local relief (concave, convex, none): Concave Slope (%): 3%

Subregion (LRR or MLRA): LRR N Lat: 40.366410 Long: -79.546391 Datum: NAD 83

Soil Map Unit Name: ErB: Ernest silt loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

Upland Dataform for WPA-BJY-002

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✓	Depth (inches): _____
Water Table Present?	Yes _____	No ✓	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✓	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-BJY-002

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
	0 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Festuca rubra	75	YES	FACU
2. Taraxacum officinale	15	NO	FACU
3. Trifolium repens	5	NO	FACU
4. Plantago lanceolata	5	NO	UPL
5.		-	-
6.		-	-
7.		-	-
8.		-	-
9.		-	-
10.		-	-
11.		-	-
12.		-	-
	100 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.		-	-
2.		-	-
3.		-	-
4.		-	-
5.		-	-
6.		-	-
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species	95	x 4 =	380
UPL species	5	x 5 =	25
Column Totals:	100 (A)		405 (B)

Prevalence Index = B/A = 4.05

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: WPA-BJY-002

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR 4/3	100					Clay	
5-14	10YR 5/4	100					Cl Lo	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Spring Junction City/County: Westmoreland County Sampling Date: 7/31/2025

Applicant/Owner: FirstEnergy State: PA Sampling Point: WPA-JGG-001

Investigator(s): JGG-TAY Section, Township, Range: No PLSS

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <2

Subregion (LRR or MLRA): LRR N Lat: 40.358357 Long: -79.554460 Datum: NAD83

Soil Map Unit Name: ErB—Ernest silt loam, 3 to 8 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓	No ____	
Wetland Hydrology Present?	Yes ✓	No ____	

Remarks:
- Area sample point for PEM/Abutting wetland WPA-JGG-001
- Wetland sample point is located in a depression downslope from perennial stream.
- Delineation follows the presence of Microstegium vimineum and concave topography.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ✓ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ✓ Hydrogen Sulfide Odor (C1)
- ✓ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No ✓	Depth (inches): -
Water Table Present?	Yes ✓	No ____	Depth (inches): 10
Saturation Present? (includes capillary fringe)	Yes ✓	No ____	Depth (inches): 12

Wetland Hydrology Present? Yes ✓ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

N/A

Remarks:
- Possible sources of hydrology are groundwater and flooding from abutting stream.
- Wetland is abutting a perennial stream.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JGG-001

Tree Stratum (Plot size: 30' r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	0 = Total Cover		
Herb Stratum (Plot size: 5' r)			
1. Microstegium vimineum	30	Y	FAC
2. Impatiens capensis	25	Y	FACW
3. Vernonia noveboracensis	15	N	FACW
4. Phalaris arundinacea	10	N	FACW
5. Typha latifolia	10	N	OBL
6. Carex lurida	5	N	OBL
7. Onoclea sensibilis	5	N	FACW
8.			
9.			
10.			
11.			
12.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: 30' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species		x 4 =	
UPL species		x 5 =	
Column Totals:	(A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

- None

SOIL

Sampling Point: WPA-JGG-001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-18	2.5Y 4/1	98	5YR 4/4	2	C	M/PL	Clay Loam	Saturated

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): -

Hydric Soil Present? Yes ✓ No ___

Remarks:

- None

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Spring Junction City/County: Westmoreland County Sampling Date: 7/31/2025

Applicant/Owner: FirstEnergy State: PA Sampling Point: WPA-JGG-001

Investigator(s): JGG-TAY Section, Township, Range: No PLSS

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <2

Subregion (LRR or MLRA): LRR N Lat: 40.358354 Long: -79.555190 Datum: NAD83

Soil Map Unit Name: ErB—Ernest silt loam, 3 to 8 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:
- Area sample point for PFO/Abutting wetland WPA-JGG-001
- Wetland sample point is located in a forested area abutting a perennial stream.
- Wetland boundary is confined to the concave topography of the treeline.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✓ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✓	Depth (inches): -
Water Table Present?	Yes _____	No ✓	Depth (inches): -
Saturation Present? (includes capillary fringe)	Yes _____	No ✓	Depth (inches): -

Wetland Hydrology Present? Yes ✓ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

N/A

Remarks:
- Possible sources of hydrology are groundwater and flooding from abutting stream.
- Wetland is abutting a perennial stream.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JGG-001

Tree Stratum (Plot size: 30' r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Juglans nigra	50	Y	FACU
2. Pinus strobus	35	Y	FACU
3. Fraxinus pennsylvanica	5	N	FACW
4.			
5.			
6.			
7.			
8.			
	90	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' r)			
1. Juglans nigra	5	Y	FACU
2. Lonicera morrowii	5	Y	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	10	= Total Cover	
Herb Stratum (Plot size: 5' r)			
1. Microstegium vimineum	45	Y	FAC
2. Impatiens capensis	20	Y	FACW
3. Vernonia noveboracensis	20	Y	FACW
4. Phalaris arundinacea	20	Y	FACW
5. Typha latifolia	5	N	OBL
6. Euthamia graminifolia	5	N	FAC
7. Packera aurea	5	N	FACW
8.			
9.			
10.			
11.			
12.			
	120	= Total Cover	
Woody Vine Stratum (Plot size: 30' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

- None

SOIL

Sampling Point: WPA-JGG-001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-14	2.5Y 4/2	95	7.5YR 5/6	5	C	M/PL	Silty Clay Loam	Moist to dry

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): -

Hydric Soil Present? Yes ✓ No ___

Remarks:

- None

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Spring Junction City/County: Westmoreland County Sampling Date: 7/31/2025

Applicant/Owner: FirstEnergy State: PA Sampling Point: WPA-JGG-002

Investigator(s): JGG-TAY Section, Township, Range: No PLSS

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): <2

Subregion (LRR or MLRA): LRR N Lat: 40.358670 Long: -79.554088 Datum: NAD83

Soil Map Unit Name: W - Water NWI classification: PUBh

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓	No ____	
Wetland Hydrology Present?	Yes ✓	No ____	

Remarks:

- Area sample point for PUB/Adjacent wetland WPA-JGG-002
- Wetland sample point is located on the fringe of PUB where soils were able to be taken.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✓ Surface Water (A1)
- ✓ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ✓ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ✓ Hydrogen Sulfide Odor (C1)
- ✓ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✓	No ____	Depth (inches): 60
Water Table Present?	Yes ✓	No ____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✓	No ____	Depth (inches): 0

Wetland Hydrology Present? Yes ✓ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

N/A

Remarks:

- Possible sources of hydrology are groundwater and surface water runoff.
- Wetland is adjacent to a perennial stream.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JGG-002

Tree Stratum (Plot size: 30' r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	0 = Total Cover		

Herb Stratum (Plot size: 5' r)			
1. Typha latifolia	50	Y	FAC
2. Lemna minor	20	Y	OBL
3. Glyceria striata	15	N	FACW
4. Euthamia graminfolia	10	N	FAC
5. Persicaria sagittata	10	N	OBL
6. Asclepias syriaca	5	N	FACU
7. Cyperus flavescens	5	N	OBL
8.			
9.			
10.			
11.			
12.			
	110 = Total Cover		

Woody Vine Stratum (Plot size: 30' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species		x 4 =	
UPL species		x 5 =	
Column Totals:	(A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

- None

SOIL

Sampling Point: WPA-JGG-002

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-18	10YR 4/1	85	7.5YR 4/6	10	C	M/PL	Clay Loam	Saturated
			10YR 6/2	5	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): -

Hydric Soil Present? Yes ✓ No ___

Remarks:

- None

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Spring Junction City/County: Westmoreland County Sampling Date: 7/31/2025

Applicant/Owner: FirstEnergy State: PA Sampling Point: WPA-JGG-001/002

Investigator(s): JGG-TAY Section, Township, Range: No PLSS

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 5

Subregion (LRR or MLRA): LRR N Lat: 40.358596 Long: -79.555015 Datum: NAD83

Soil Map Unit Name: ErB—Ernest silt loam, 3 to 8 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes _____	No ✔	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:

- Area upland sample point is shared for for wetlands WPA-JGG-001 and WPA-JGG-002.
- Upland sample point is located between both wetlands and adjacent to an actively mowed field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): -
Water Table Present?	Yes _____	No ✔	Depth (inches): -
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): -

Wetland Hydrology Present? **Yes** _____ **No** ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

N/A

Remarks:

- No field observations of hydrology and wetland hydrology indicators observed.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JGG-001/002

Tree Stratum (Plot size: 30' r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	0 = Total Cover		
Herb Stratum (Plot size: 5' r)			
1. Poa pratensis	35	Y	FACU
2. Sorghum halepense	15	Y	FACU
3. Clinopodium vulgare	15	Y	UPL
4. Galium mollugo	10	N	FACU
5. Rosa multiflora	10	N	FACU
6. Dichanthelium clandestinum	5	N	FAC
7. Toxicodendron radicans	5	N	FAC
8. Achillea millefolium	5	N	FACU
9.			
10.			
11.			
12.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: 30' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	75	x 4 =	300
UPL species	15	x 5 =	75
Column Totals:	100 (A)		405 (B)

Prevalence Index = B/A = 4.05

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

- None

SOIL

Sampling Point: WPA-JGG-001/002

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 5/4	100					Silt Loam	Dry

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): -

Hydric Soil Present? **Yes** _____ **No** ✓

Remarks:

- Refusal at 10 inches due to rock.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Spring Junction City/County: Westmoreland County Sampling Date: 7/31/2025

Applicant/Owner: FirstEnergy State: PA Sampling Point: WPA-JGG-003

Investigator(s): JGG-TAY Section, Township, Range: No PLSS

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%): 2-4

Subregion (LRR or MLRA): LRR N Lat: 40.357973 Long: -79.553838 Datum: NAD83

Soil Map Unit Name: WrB—Wharton silt loam, 3 to 8 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

- Area sample point for PEM/Abutting wetland WPA-JGG-003
- Wetland sample point is located on along an intermittent stream and downslope from an upland field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✓ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✓	Depth (inches): -
Water Table Present?	Yes _____	No ✓	Depth (inches): -
Saturation Present? (includes capillary fringe)	Yes _____	No ✓	Depth (inches): -

Wetland Hydrology Present? Yes ✓ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

N/A

Remarks:

- Possible sources of hydrology are flooding from abutting stream and surface water runoff.
- Wetland is abutting an intermittent stream.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JGG-003

Tree Stratum (Plot size: 30' r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus strobus	30	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	0	= Total Cover	

Herb Stratum (Plot size: 5' r)			
1. Impatiens capensis	40	Y	FACW
2. Onoclea sensibilis	25	Y	FACW
3. Agrimonia parviflora	15	N	FACW
4. Phalaris arundinacea	10	N	FACW
5. Microstegium vimineum	10	N	FAC
6. Persicaria sagittata	5	N	OBL
7. Ranunculus repens	5	N	FAC
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	
FACW species		x 2 =	
FAC species		x 3 =	
FACU species		x 4 =	
UPL species		x 5 =	
Column Totals:	(A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

- None

SOIL

Sampling Point: WPA-JGG-003

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y 4/2	85	7.5YR 4/6	10	C	M/PL	Clay Loam	Moist
			7.5YR 5/6	5	C	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): -

Hydric Soil Present? Yes ✓ No ___

Remarks:

- None

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: Stoney Spring Junction City/County: Westmoreland County Sampling Date: 7/31/2025

Applicant/Owner: FirstEnergy State: PA Sampling Point: WPA-JGG-003

Investigator(s): JGG-TAY Section, Township, Range: No PLSS

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 2-4

Subregion (LRR or MLRA): LRR N Lat: 40.357951 Long: -79.553637 Datum: NAD83

Soil Map Unit Name: WrB—Wharton silt loam, 3 to 8 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✔
Hydric Soil Present?	Yes _____	No ✔	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:

- Area upland sample point for wetlands WPA-JGG-003.
- Upland sample point is located upslope from wetland in an upland field with a distinctly different vegetative community.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): -
Water Table Present?	Yes _____	No ✔	Depth (inches): -
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): -

Wetland Hydrology Present? Yes _____ No ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

N/A

Remarks:

- No field observations of hydrology and wetland hydrology indicators observed.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JGG-003

Tree Stratum (Plot size: 30' r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Absent			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' r)			
1. Liriodendron tulipifera	10	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	10	= Total Cover	
Herb Stratum (Plot size: 5' r)			
1. Microstegium vimineum	30	Y	FAC
2. Solidago rugosa	15	Y	FAC
3. Agrostis capillaris	15	Y	FAC
4. Clinopodium vulgare	10	N	UPL
5. Vernonia gigantea	5	N	FAC
6. Impatiens capensis	5	N	FACW
7. Agrimonia parviflora	5	N	FACW
8. Liriodendron tulipifera	5	N	FACU
9.			
10.			
11.			
12.			
	90	= Total Cover	
Woody Vine Stratum (Plot size: 30' r)			
1. Absent			
2.			
3.			
4.			
5.			
6.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	65	x 3 =	195
FACU species	15	x 4 =	60
UPL species	10	x 5 =	50
Column Totals:	100 (A)		325 (B)

Prevalence Index = B/A = 3.25

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

- None

SOIL

Sampling Point: WPA-JGG-003

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR 4/3	95	10YR 5/6	5	C	M	Clay Loam	Dry

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): -

Hydric Soil Present? Yes _____ No ✓

Remarks:

- None.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-001 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Toe of Slope Local relief (concave, convex, none): Concave Slope (%): 0-3

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.357975 Long: -79.555659 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: R5UBH

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-001 PEM, Abutting - Possible Source: Stream, Runoff (old hayfield adjacent to wetland) - Abutting NHD stream

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- X Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- X Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-001 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. *Juglans nigra*	15	Yes	FACU
2. *Rubus allegheniensis*	5	Yes	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	20 =Total Cover		
50% of total cover: 10	20% of total cover: 4		
Herb Stratum (Plot size: 5)			
1. *Phalaris arundinacea*	100	Yes	FACW
2. *Onoclea sensibilis*	10	No	FACW
3. *Impatiens capensis*	5	No	FACW
4. *Lonicera morrowii*	5	No	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	120 =Total Cover		
50% of total cover: 60	20% of total cover: 24		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	115	x 2 =	230
FAC species	0	x 3 =	0
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	140 (A)		330 (B)

Prevalence Index = B/A = 2.36

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-001 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 4/2	99	7.5YR 4/6	1	C	PL	Loamy/Clayey	Prominent redox concentrations
6-12	10YR 5/2	95	7.5YR 4/4	5	C	PL	Loamy/Clayey	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 12

Hydric Soil Present? **Yes** X **No** ___

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-001 UPL

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 0-5

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.357721 Long: -79.556203 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: R5UBH

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland sample point for WPA-JRW-001 - Mapping suggests upland sits within NWI: R5UBH. However our evidence does not support this location being within a wetland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-001 UPL

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Juglans nigra*	25	Yes	FACU
2. *Prunus serotina*	10	Yes	FACU
3.			
4.			
5.			
6.			
7.			
	35	=Total Cover	
50% of total cover: 18		20% of total cover: 7	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Juglans nigra*	80	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	80	=Total Cover	
50% of total cover: 40		20% of total cover: 16	
Herb Stratum (Plot size: 5)			
1. *Microstegium vimineum*	75	Yes	FAC
2. *Rubus occidentalis*	5	No	UPL
3. *Rubus allegheniensis*	5	No	FACU
4. *Eurybia divaricata*	5	No	UPL
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	90	=Total Cover	
50% of total cover: 45		20% of total cover: 18	
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
		=Total Cover	
50% of total cover:		20% of total cover:	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	75	x 3 =	225
FACU species	120	x 4 =	480
UPL species	10	x 5 =	50
Column Totals:	205 (A)		755 (B)

Prevalence Index = B/A = 3.68

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-001 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	2.5Y 4/2	100					Loamy/Clayey	silty

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 3

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-002-005 UPL

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 0-5

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.361375 Long: -79.554748 Datum: NAD83

Soil Map Unit Name: WrC: Wharton silt loam, 8 to 15 percent slopes (544667) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland data point for WPA-JRW-002/003/004/005

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-002-005 UPL

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	90	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	90 =Total Cover		
50% of total cover: 45	20% of total cover: 18		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	90 (A)		360 (B)

Prevalence Index = B/A = 4.00

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-002-005 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	2.5Y 4/2	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 4

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-002 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.361250 Long: -79.555282 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-002 PEM, Abutting - Possible Source: Stream, Runoff

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- X Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- X Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 11

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-002 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rosa multiflora*	10	Yes	FACU
2. *Lonicera morrowii*	5	Yes	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	15 =Total Cover		
50% of total cover: 8	20% of total cover: 3		
Herb Stratum (Plot size: 5)			
1. *Poa pratensis*	35	Yes	FACU
2. *Leersia oryzoides*	35	Yes	OBL
3. *Impatiens capensis*	10	No	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	80 =Total Cover		
50% of total cover: 40	20% of total cover: 16		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	35	x 1 =	35
FACW species	10	x 2 =	20
FAC species	0	x 3 =	0
FACU species	50	x 4 =	200
UPL species	0	x 5 =	0
Column Totals:	95 (A)		255 (B)

Prevalence Index = B/A = 2.68

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-002 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 5/2	98	7.5YR 4/4	2	C	PL	Loamy/Clayey	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 12

Hydric Soil Present? **Yes** X **No** ___

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-003 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.361000 Long: -79.555097 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-003 PEM, Abutting - Possible Source: Stream, Runoff

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 12

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-003 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rubus allegheniensis*	5	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	5 =Total Cover		
50% of total cover: 3	20% of total cover: 1		
Herb Stratum (Plot size: 5)			
1. *Phalaris arundinacea*	95	Yes	FACW
2. *Solidago canadensis*	10	No	FACU
3. *Persicaria sagittata*	5	No	OBL
4. *Solidago rugosa*	5	No	FAC
5. *Impatiens capensis*	5	No	FACW
6. *Cirsium vulgare*	5	No	FACU
7.			
8.			
9.			
10.			
11.			
	125 =Total Cover		
50% of total cover: 63	20% of total cover: 25		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	5	x 1 =	5
FACW species	100	x 2 =	200
FAC species	5	x 3 =	15
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	130 (A)		300 (B)

Prevalence Index = B/A = 2.31

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-003 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	2.5Y 5/2	98	7.5YR 4/6	2	C	PL	Loamy/Clayey	Prominent redox concentrations
10-14	2.5Y 5/1	95	7.5YR 4/6	5	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 11/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-004 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-3

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.361424 Long: -79.554921 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-004 PEM, Abutting - Possible Source: Stream, Runoff

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-004 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Leersia oryzoides*	50	Yes	OBL
2. *Solidago rugosa*	15	Yes	FAC
3. *Persicaria sagittata*	10	No	OBL
4. *Impatiens capensis*	10	No	FACW
5. *Solidago canadensis*	5	No	FACU
6. *Juncus effusus*	5	No	FACW
7. *Euthamia graminifolia*	5	No	FAC
8.			
9.			
10.			
11.			
	100 =Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	60	x 1 =	60
FACW species	15	x 2 =	30
FAC species	20	x 3 =	60
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	100 (A)		170 (B)

Prevalence Index = B/A = 1.70

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: WPA-JRW-004 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-10	2.5Y 5/1	95	5YR 4/6	5	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ? Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 10

Hydric Soil Present? **Yes** X **No** ___

Remarks:
None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-005 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.361424 Long: -79.554573 Datum: NAD83

Soil Map Unit Name: WrC: Wharton silt loam, 8 to 15 percent slopes (544667) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-005 PEM, Abutting - Possible Source: Stream, Runoff

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 4

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-005 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Impatiens capensis*	40	Yes	FACW
2. *Leersia oryzoides*	40	Yes	OBL
3. *Cirsium vulgare*	10	No	FACU
4. *Microstegium vimineum*	10	No	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	100 =Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	40	x 1 =	40
FACW species	40	x 2 =	80
FAC species	10	x 3 =	30
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	100 (A)		190 (B)

Prevalence Index = B/A = 1.90

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-005 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/2	95	5YR 4/6	5	C	PL	Loamy/Clayey	Prominent redox concentrations
4-14	2.5Y 4/1	93	5YR 4/6	5	C	PL	Loamy/Clayey	Prominent redox concentrations
			2.5YR 3/6	2	C	PL		Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ? Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:
None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-006 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Toe of Slope Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.363498 Long: -79.549306 Datum: NAD83

Soil Map Unit Name: GcD: Gilpin channery silt loam, 15 to 25 percent slopes (544632) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-006 PEM, Abutting - Possible Source: Stream, Runoff - Vegetation disturbance: Evidence of herbicide spraying within ROW.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- X Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- X Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-006 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. *See remarks*			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Microstegium vimineum*	60	Yes	FAC
2. *Cirsium arvense*	20	Yes	FACU
3. *Viola sororia*	15	No	FAC
4. *Solidago canadensis*	10	No	FACU
5. *Euthamia graminifolia*	5	No	FAC
6. *Carex vulpinoidea*	5	No	OBL
7. *Scirpus atrovirens*	5	No	OBL
8.			
9.			
10.			
11.			
	120 =Total Cover		
50% of total cover: 60	20% of total cover: 24		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	10	x 1 =	10
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	120 (A)		370 (B)

Prevalence Index = B/A = 3.08

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

X Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Problematic Hydrophytic Vegetation: Wetland has strong hydrology and hydric soil. The plant community in the wetland boundaries are dominated by invasive species (Microstegium cimineum & Cirsium arvense). Rosa multiflora converted from FACU to FAC, per the USACE Regional Supplement. Managed plant communities: Vegetation in the ROW treated with herbicides, potentially affecting the establishment of FACW/OBL vegetation in the wetland boundaries.

SOIL

Sampling Point: WPA-JRW-006 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR 4/2	95	7.5YR 4/4	5	C	PL	Loamy/Clayey	Distinct redox concentrations
2-6	2.5Y 4/1	98	7.5YR 4/4	2	C	M	Loamy/Clayey	Prominent redox concentrations
6-8	2.5Y 6/2	90	7.5YR 5/6	10	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ? Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 8

Hydric Soil Present? **Yes** X **No** ___

Remarks:
None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-006 UPL

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 0-5

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.363529 Long: -79.548334 Datum: NAD83

Soil Map Unit Name: GcD: Gilpin channery silt loam, 15 to 25 percent slopes (544632) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland data point for WPA-JRW-006

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-006 UPL

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Lycopodium digitatum*	15	Yes	UPL
2. *Rubus flagellaris*	10	Yes	FACU
3. *Solidago rugosa*	5	No	FAC
4. *Andropogon virginicus*	5	No	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	35 =Total Cover		
50% of total cover: 18	20% of total cover: 7		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	5	x 3 =	15
FACU species	15	x 4 =	60
UPL species	15	x 5 =	75
Column Totals:	35 (A)		150 (B)

Prevalence Index = B/A = 4.29

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-006 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 6/4	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 4

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-007 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.364133 Long: -79.545033 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: R5UBH

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-007 PEM, Abutting - Possible Source: Stream, Runoff - Wetland situated within NHD stream: Beaver Run

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- X Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
Aquatic Fauna: Frogs - Not high water table/shallow aquitard observed. Therefore, saturation was not included as a primary indicator.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-007 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Cyperus esculentus*	55	Yes	FACW
2. *Microstegium vimineum*	40	Yes	FAC
3. *Phalaris arundinacea*	30	Yes	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	125 =Total Cover		
50% of total cover: 63	20% of total cover: 25		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	85	x 2 =	170
FAC species	40	x 3 =	120
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	125 (A)		290 (B)

Prevalence Index = B/A = 2.32

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-007 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/2	98	7.5YR 4/4	2	C	PL	Loamy/Clayey	Distinct redox concentrations
4-14	10YR 4/1	98	7.5YR 3/4	2	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

None

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-007 UPL

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.364089 Long: -79.544921 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: R5UBH

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No ____	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Upland data point for WPA-JRW-007 - Mapping shows the data point sitting within NWI: R5UBH. However, our evidence suggests that wetland habitat is not present at this location. - Mowing and significantly reduced vegetation around test pit.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- X Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-007 UPL

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Poa pratensis*	40	Yes	FACU
2. *Microstegium vimineum*	5	No	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	45 =Total Cover		
50% of total cover: 23	20% of total cover: 9		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	5	x 3 =	15
FACU species	40	x 4 =	160
UPL species	0	x 5 =	0
Column Totals:	45 (A)		175 (B)

Prevalence Index = B/A = 3.89

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
Mowing, reduced vegetation by structure. Bare ground ~55%

SOIL

Sampling Point: WPA-JRW-007 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1	10YR 4/2	100					Loamy/Clayey	
1-2	10YR 5/1	90	7.5YR 5/6	10	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 2

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/20/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-008 PEM

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Toe of Slope Local relief (concave, convex, none): Concave Slope (%): 0-3

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.370422 Long: -79.554064 Datum: NAD83

Soil Map Unit Name: GcD: Gilpin channery silt loam, 15 to 25 percent slopes (544632) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-008 PEM, Abutting - Possible Source: Runoff, Stream

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-008 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Microstegium vimineum*	30	Yes	FAC
2. *Scirpus cyperinus*	20	Yes	FACW
3. *Dichanthelium clandestinum*	10	Yes	FAC
4. *Impatiens capensis*	10	Yes	FACW
5. *Solidago rugosa*	10	Yes	FAC
6. *Onoclea sensibilis*	10	Yes	FACW
7. *Euthamia graminifolia*	5	No	FAC
8. *Rosa multiflora*	5	No	FACU
9.			
10.			
11.			
	100 =Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	40	x 2 =	80
FAC species	55	x 3 =	165
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	100 (A)		265 (B)

Prevalence Index = B/A = 2.65

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-008 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR 4/2	98	10YR 5/8	2	C	PL	Loamy/Clayey	Prominent redox concentrations
2-4	5Y 6/3	90	10YR 6/6	8	C	M	Loamy/Clayey	Prominent redox concentrations
			10YR 6/6	2	C	PL		Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ? Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 4

Hydric Soil Present? **Yes** X **No** ___

Remarks:
None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/19/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-008 UPL

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Hilltop Local relief (concave, convex, none): Convex Slope (%): 0-3

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.369868 Long: -79.554951 Datum: NAD83

Soil Map Unit Name: GcD: Gilpin channery silt loam, 15 to 25 percent slopes (544632) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland data point for WPA-JRW-008

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-008 UPL

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus rubra*	5	Yes	FACU
2. *Quercus montana*	5	Yes	UPL
3.			
4.			
5.			
6.			
7.			
	10	=Total Cover	
50% of total cover: 5		20% of total cover: 2	
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
		=Total Cover	
50% of total cover:		20% of total cover:	
Herb Stratum (Plot size: 5)			
1. *Dactylis glomerata*	55	Yes	FACU
2. *Dichanthelium clandestinum*	10	No	FAC
3. *Rubus flagellaris*	10	No	FACU
4. *Solidago rugosa*	5	No	FAC
5. *Euthamia graminifolia*	5	No	FAC
6. *Andropogon virginicus*	5	No	FACU
7.			
8.			
9.			
10.			
11.			
	90	=Total Cover	
50% of total cover: 45		20% of total cover: 18	
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
		=Total Cover	
50% of total cover:		20% of total cover:	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	75	x 4 =	300
UPL species	5	x 5 =	25
Column Totals:	100 (A)		385 (B)

Prevalence Index = B/A = 3.85

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-008 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR 5/3	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 2

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

None

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/20/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-009 PEM

Investigator(s): JRW/RAB Section, Township, Range: Are not divided under PLSS

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.377073 Long: -79.560927 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:
Wetland data point for WPA-JRW-009 PEM, Abutting - Possible Source: Runoff, Stream

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- X Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- X True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 3
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-009 PEM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Leersia oryzoides*	65	Yes	OBL
2. *Echinochloa crus-galli*	20	No	FAC
3. *Juncus effusus*	10	No	FACW
4. *Apocynum cannabinum*	5	No	FACU
5. *Lemna minor*	5	No	OBL
6.			
7.			
8.			
9.			
10.			
11.			
	105 =Total Cover		
50% of total cover: 53	20% of total cover: 21		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	70	x 1 =	70
FACW species	10	x 2 =	20
FAC species	20	x 3 =	60
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	105 (A)		170 (B)

Prevalence Index = B/A = 1.62

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
None

SOIL

Sampling Point: WPA-JRW-009 PEM

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 4/2	80	7.5YR 4/6	20	C	PL	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ? Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

Test pit depth limited to avoid underground utlities, even after ensuring the loaction would be out of the way.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region
See ERDC/EL TR-12-9; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Stoney Spring Junction (R230731.00) City/County: Westmoreland County Sampling Date: 9/20/2024

Applicant/Owner: First Energy State: PA Sampling Point: WPA-JRW-009 UPL

Investigator(s): JRW/RAB Section, Township, Range: Area not divided under PLSS

Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 0-3

Subregion (LRR or MLRA): LRR N, MLRA 126 Lat: 40.377733 Long: -79.561526 Datum: NAD83

Soil Map Unit Name: ErB: Ernest silt loam, 3 to 8 percent slopes (544626) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No ____	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	

Remarks:
Upland data point for WPA-JRW-009 - Location within agricultural field subject to disturbance and alteration of the plant community.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ True Aquatic Plants (B14)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ? Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
N/A

Remarks:
None

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: WPA-JRW-009 UPL

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 15)			
1. None observed			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	=Total Cover		
50% of total cover:	20% of total cover:		
Herb Stratum (Plot size: 5)			
1. *Andropogon virginicus*	30	Yes	FACU
2. *Dactylis glomerata*	20	Yes	FACU
3. *Tridens flavus*	20	Yes	FACU
4. *Dichanthelium clandestinum*	10	No	FAC
5. *Achillea millefolium*	10	No	FACU
6. *Apocynum cannabinum*	5	No	FACU
7. *Rubus flagellaris*	5	No	FACU
8.			
9.			
10.			
11.			
	100 =Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 30)			
1. None observed			
2.			
3.			
4.			
5.			
	=Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	100 (A)		390 (B)

Prevalence Index = B/A = 3.90

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody Vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
Vegetation likely impacted by agricultural activity

SOIL

Sampling Point: WPA-JRW-009 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 6/4	100					Loamy/Clayey	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Mucky Mineral (F1) **(MLRA 136)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 122, 136)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147, 148)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Red Parent Material (F21) **(outside MLRA 127, 147, 148)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 4

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

None

APPENDIX D
Resume(s) of Field Staff

James Gammiere, WPIT

Assistant Environmental Specialist III

Education

BS, Environmental Resource Management, Soil Sciences/Water Resources, 2020, Pennsylvania State University

Licenses/Registrations

Wetland Professional-in-Training (WPIT), 2022

Skills

Wetland and Watercourse Delineations

Chapter 105 General Permit Applications

ArcMap

Bird Surveying

Construction Inspection & Monitoring

Cathodic Protection Fieldwork & Soil Resistivity Testing

Certifications / Training

SwampSchool, LLC 36-Hour Training, 2022

HAZWOPER 40-Hour Certified

Industry Experience

GAI Consultants, 2024-Present

RK&K, 2021-2024

RPG Resources, LLC., 2021

Professional Summary

Mr. Gammiere specializes in environmental surveys related to wetland and waterway identification for a variety of energy projects. His experience includes wetland delineating, GIS mapping, and technical report drafting. He is also experienced in the submission of permits, inspection of pipelines, and soil testing for cathodic protection purposes.

Professional Experience

- Confidential Supply Enhancement Project Environmental Services, Confidential Client, Virginia, North Carolina, Georgia, South Carolina, and Alabama. Technical Specialist. Performed Endangered Species Act (ESA) Consultation, Rare, Threatened, and Endangered (RTE) Species Surveys, and Wetlands and Waters of the United States Delineations & Reports.
- RK&K, Pittsburgh, Pennsylvania. Environmental Scientist. Assisted RK&K's Energy and Corrosion department on various environmental projects.
  - Performed wetland delineations throughout Pennsylvania, Ohio, West Virginia, and Maryland.
  - Create wetland reports, as well as GIS figures after collection of field data using a Trimble DA2 or a Trimble GEO7X.
  - Responsible for the submission of a variety of General Permits.
  - Pipeline projects inclusive and exclusive of wetland delineations.
- RPG Resources, LLC., Pittsburgh, Pennsylvania. Environmental Specialist. Performed pipeline inspections and safety inspections on active and dormant pipelines.
  - Detected leaks on pressure-relief valves and notified proper personnel.
  - Checked that current erosion and sediment control practices were operating correctly and documented controls within a daily report.

John Woloschuk, MS

Senior Environmental Specialist

Education

MS, Biological Sciences, 2019, Bowling Green State University

BS, Biology, 2017, Saint Francis University

Skills

NEPA Documentation

Air Permitting

Water Quality Analysis

NPDES Permitting

Stormwater Management

Roadway Design

Program Management

Design and Inspection of Construction Projects

Previous Industry Experience

GAI Consultants, Inc., 2022-Present

Resource Environmental Solutions, 2021-2022

Pennsylvania State University, 2021

Bowling Green State University, 2017-2019

Saint Francis University Biology Department, 2015-2017

Professional Summary

Mr. Woloschuk is a Senior Environmental Specialist with GAI specializing in interpreting and applying governmental regulations and procedures relative to project and facility permitting, National Environmental Policy Act (NEPA) documentation preparation, water quality analysis, air permitting, erosion and sediment control (E&SC) design, National Pollutant Discharge Elimination System (NPDES) permitting, stormwater management, roadway design, program management, and design and inspection of construction projects.

Professional Experience

- Fiber Expansion Project, Confidential Client, Pennsylvania. Senior Environmental Specialist.
- 69kV Transmission Line Rebuild Project, Confidential Client, Pennsylvania. Senior Environmental Specialist. GAI will assist with permitting for a rebuild of approximately 19 miles of existing transmission line.
- 230kV Transmission Line Project, Confidential Client, Various Locations, Pennsylvania. Senior Environmental Specialist. The client is proposing to rebuild an existing 115kV transmission line to a 230kV transmission line for approximately 65.0 miles in length in Various Counties, Pennsylvania. GAI will provide a full siting study, PUC application, environmental permitting including Rare, Threatened, and Endangered (RTE) species consultation; stream & wetland survey; cultural consultation and Phase I survey; access road identification; development of ortho-photo drawings; and real-estate property tax record search.
- Post-Construction Project, Confidential Client, Pennsylvania. Senior Environmental Specialist.
- Wetland Mitigation and Monitoring Plan, Confidential Client, Various Counties, Pennsylvania. Senior Environmental Specialist. The client is proposing to construct a new 230kV transmission line for approximately 13 miles. GAI will develop a wetland enhancement mitigation and monitoring plan in order to offset permanent wetland impacts as a result of the proposed project to meet state and federal requirements.

Rebecca Yasika, WPIT

Senior Environmental Specialist

Education

Graduate Certificate, Natural Resources, Fisheries Management Concentration, Oregon State University
BS, Environmental Sciences, Fisheries and Wildlife Biology Concentration, 2016, California University of Pennsylvania

Skills

Water Quality Monitoring
Macroinvertebrate Sampling/Identification
Stream Ecology
Wetland Delineations
Stream Restoration
Fish Identification
Backpack, Tow-Barge, and Boat Electrofishing
Stormwater Pollution Prevention Plan Inspections
Esri ArcGIS

Certifications / Training

Wetlands Professional In-Training Certification, 2023
36 Hour Wetland Delineation Training, Gailey Environmental, 2022
OSHA 10-Hour Construction, PA, 2023

Previous Industry Experience

GAI Consultants Inc., 2023-Present
SWCA Environmental Consultants, 2021-2023
Trout Unlimited, 2019-2020
PACE Analytical, 2018-2019
Wyoming Game and Fish Department, 2016-2017

Professional Summary

Ms. Yasika is an experienced Senior Environmental Specialist that has worked on various projects throughout the United States specializing in interpreting and applying government regulations and procedures relative to project and facility permitting, National Environmental Policy Act (NEPA) documentation preparation, water quality analysis, air permitting, erosion and sedimentation control (E&SC) design, National Pollutant Discharge System (NPDES) permitting, and stormwater management.
Her experience includes working as both an Aquatic Habitat Technician and a Fisheries Technician with the Wyoming Game and Fish Department. Additionally, Ms. Yasika has led stream survey efforts with Trout Unlimited and the United States Forest Service (USFS) to monitor native Brook Trout populations. She also has experience with wetland delineations and other environmental projects.

Professional Experience

- 115kV Transmission Line Rebuild Environmental Support Services, Confidential Client, Pennsylvania. Senior Environmental Specialist. Preformed a Phase I Environmental Site Assessment (ESA) of a property with an existing right-of-way (ROW) in Pennsylvania at an intersection that the client is proposing to purchase. GAI's client is proposing to rebuild approximately 157 miles of an existing 115kV transmission line project. The 100-foot-wide right-of-way is proposed to be expanded by approximately 80 to 130 feet to accommodate the proposed line being rebuilt, which will parallel the existing line to the greatest extent feasible.
- 69kV Transmission Line Rebuild Environmental and Engineering Support Services, Confidential Client, Pennsylvania. Senior Environmental Specialist. Responsible for preparing an environmental permit binder containing an indexed collection of environmental permits obtained for the project which includes waterways and wetlands and National Pollutant Discharge Elimination System (NPDES) permitting. GAI is providing environmental services for this 36-mile, 69kV transmission line rebuild project.
- Transmission Project Environmental Support Services, Confidential Client, Kentucky. Senior Environmental Specialist. Performed wetland delineation and stream identification and obtain waterbody crossing permits for a transmission project located in Kentucky.

- New Transmission Line Project, Confidential Client, Texas. Senior Environmental Specialist. Provided wetlands and regulated water delineations and Rare, Threatened, and Endangered (RTE) species assessment to support the permitting and construction of a new transmission line project in Texas.
- 230kV Transmission Line Project, Confidential Client, Pennsylvania. Senior Environmental Specialist. GAI's client is proposing to rebuild an existing 115kV transmission line to a 230kV transmission line for approximately 65.0 miles in length in Western Pennsylvania. GAI will provide a full siting study, PUC application, environmental permitting including RTE species consultation; stream and wetland survey; cultural consultation and Phase I surveys; access road identification; development of ortho-photo drawings; and real-estate property tax record search.
- Service Territory Environmental Support Project, Confidential Client, Pennsylvania. Senior Environmental Specialist. Performed desktop reviews, environmental resource field studies, and development of orthodawings for work on distribution assets across multiple Pennsylvania counties in the service territory.
- 115kV Transmission Line Project, Confidential Client, Pennsylvania. Senior Environmental Specialist. Provided wetland and waterbody permitting, Timber Rattlesnake habitat assessment and reporting, and NPDES permitting for the rebuild and reconductoring of approximately 10 miles of 115kV transmission line within an approximately 130-foot-wide existing ROW in Pennsylvania.
- Ten-mile Creek Project, Confidential Client, Pennsylvania. Aided in stream restoration by navigating the riparian zone to remove waste and litter from stream banks and water column.
- Trout Project, Confidential Client, Pennsylvania. Assisted in the collection of Steelhead Trout for spawning. Fish were captured with large dip nets, sexed, and loaded into hatchery trucks.

Previous Experience

- Environmental Technician; SWCA Environmental Consultants; Bridgeville, Pennsylvania; October 2021-January 2023
    - Assisted with wetland delineations as per 1987 United States Army Corps of Engineers (USACE) Guidelines
    - Assisted with report writing and permitting
    - Conducted Stormwater Pollution Prevention Plan (SWPPP) site inspections
    - Used Esri ArcGIS for mapping and data collections
- Sample Receiving Group Leader; PACE Analytical; Greensburg, Pennsylvania; March 2018-May 2019
    - Responsible for handling and custody of client samples
    - Monitored radiochemistry samples for radioactivity
    - Input samples and projects into a windows-based database
    - Handled regulatory sample disposal according to EPA standards
- Stream Survey Team Lead and Stream Survey Technician; Trout Unlimited; Bartow, West Virginia; June 2020-September 2020, and May 2019-November 2019
    - Conducted fish surveys on stream reaches using backpack electrofishing units
    - Calculated change in elevation and bankfull cross-sections using laser levels
    - Determined change in habitat sections throughout stream reaches
    - Typed streams using the Rosgen Method
    - Completed pebble counts and riffle stability indices

  - Completed eDNA sampling for Candy Darter
  - Conducted comparative method surveys utilizing snorkeling, cameras, and EF methodologies
  - Trained team in proper electrofishing procedures and survey protocols
  - Responsible for all data collection, completion, and accuracy
  - Organized completed data and photo sets

- Fisheries and Aquatic Habitat Technician; Wyoming Game and Fish Department; Sheridan, Wyoming; May 2017-September 2017, and June 2016-September 2016

  - Fisheries population estimation using various sampling gear types: gillnets, trap nets, trammel nets, seine nets, as well as backpack, boat, raft, and tow barge electrofishing
  - Responsible for gear repair and maintenance
  - Conducted creel surveys
  - Aided with the stocking of catchable and sub-catchable trout and muskellunge
  - Assisted in various hatchery duties, including egg rearing and raceway cleaning
  - Monitored watercrafts for potential aquatic invasive species
  - Gained experience operating watercrafts and trailers
  - Performed Rotenone poisoning of streams with invasive species
  - Entrainment study on two irrigation ditches to determine the need for fish screens
  - Temperature monitoring
  - Conducted velocity reading using flow meter
  - Stream bank erosion estimations using Rosgen Method
  - Utilizing ArcGIS to create Bathymetry maps
  - Data collection, processing, and analysis
  - Macroinvertebrate study on a re-channelization project
  - Worked to restore a historic native range of Yellowstone Cutthroat Trout

Exhibit 10

1. PROJECT INFORMATION

Project Name: **Stoney Spring Junction**
Date of Review: **9/5/2025 11:55:22 AM**
Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Power/electric line - New (new location for above/under-ground line)**
Project Area: **72.83 acres**
County(s): **Westmoreland**
Township/Municipality(s): **Hempfield Township; Salem Township**
ZIP Code:
Quadrangle Name(s): **GREENSBURG; SLICKVILLE**
Watersheds HUC 8: **Kiskiminetas; Lower Monongahela**
Watersheds HUC 12: **Beaver Run Reservoir-Beaver Run; Brush Creek**
Decimal Degrees: **40.359164, -79.555341**
Degrees Minutes Seconds: **40° 21' 32.9911" N, 79° 33' 19.2261" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	**Conservation Measure**	**No Further Review Required, See Agency Comments**
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.

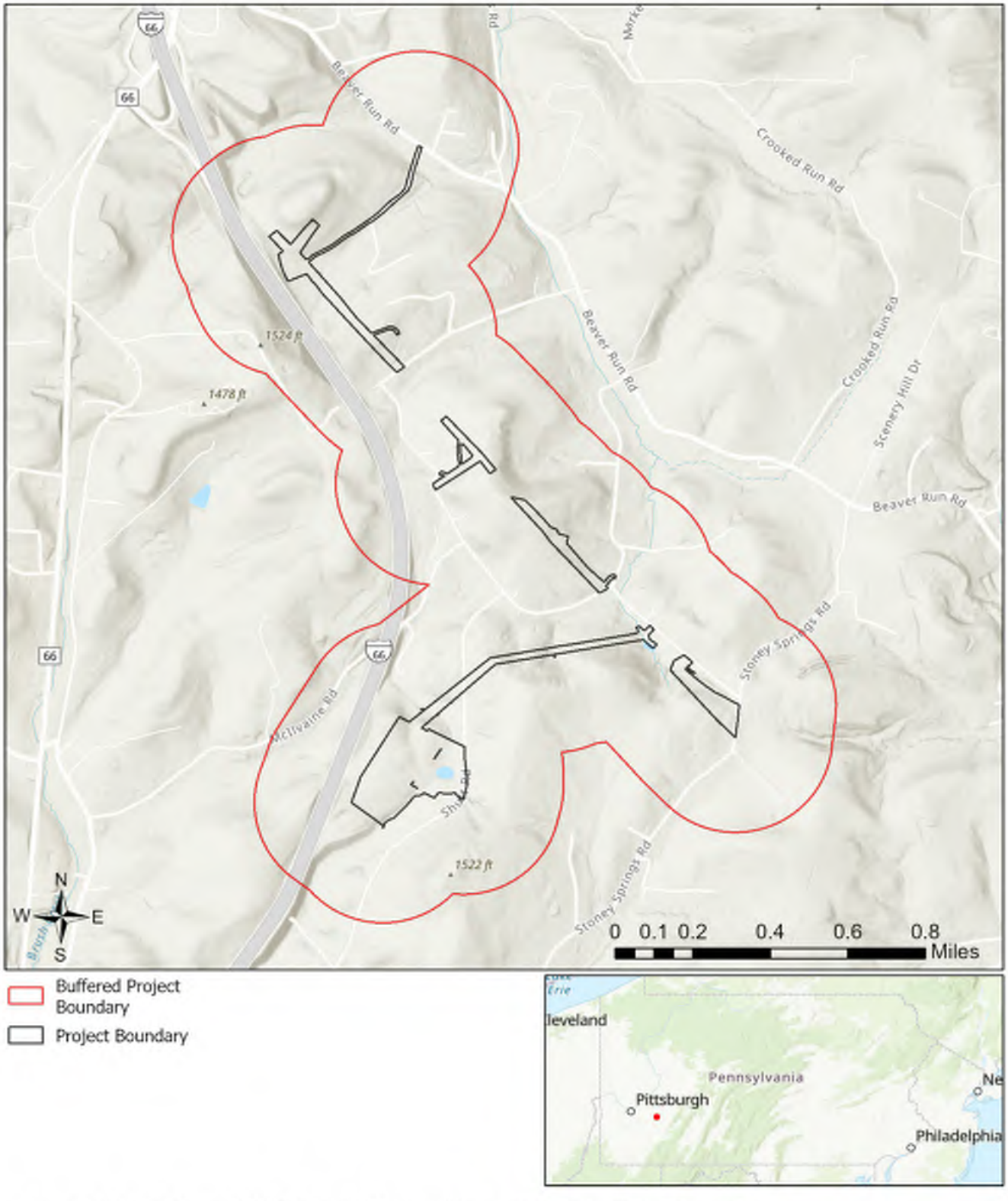
Stoney Spring Junction

Buffered Project Boundary

Project Boundary

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Stoney Spring Junction



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community
Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA,

RESPONSE TO QUESTION(S) ASKED

Q1: Will the action include disturbance to trees such as tree cutting (or other means of knocking down, or bringing down trees, tree topping. or tree trimming), pesticide/herbicide application or prescribed fire?
Your answer is: Yes

Q2: Does the action area contain any caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, culverts, or tunnels that could provide habitat for hibernating bats?
Your answer is: No

Q3: Will the action include disturbance to trees such as tree cutting (or other means of knocking down, or bringing down trees, tree topping. or tree trimming), pesticide/herbicide application or prescribed fire?
Your answer is: Yes

Q4: Does the action area contain any caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, culverts, or tunnels that could provide habitat for hibernating bats?
Your answer is: No

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:

Conservation Measure: Potential impacts to state and federally listed species which are under the jurisdiction of both the Pennsylvania Game Commission (PGC) and the U.S. Fish and Wildlife Service may occur as a result of this project. As a result, the PGC defers comments on potential impacts to federally listed species to the U.S. Fish and Wildlife Service. No further coordination with the Pennsylvania Game Commission is required at this time.

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: Your project is within the range of the federally listed northern long-eared bat. Enter project information into IPaC (http://ecos.fws.gov/ipac/). Follow the step-by-step process to review this project's potential effect on federally listed species. For step-by-step instructions, please see our Project Review Page (https://www.fws.gov/office/pennsylvania-ecological-services/project-revi...)

Information Request: Your project is within the range of the federally listed Indiana bat. Enter project information into IPaC (http://ecos.fws.gov/ipac/). Follow the step-by-step process to review this project's potential effect on federally listed species. For step-by-step instructions, please see our Project Review Page (https://www.fws.gov/office/pennsylvania-ecological-services/project-revi...)

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 submit their project using IPaC, following the USFWS Project Submission Instructions. USFWS will not accept or review project materials uploaded via the Conservation Explorer.

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
Email: IR1_ESPenn@fws.gov
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 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: Amy Ruszala
Company/Business Name: Keystone Appalachian Transmission Company, a FirstEnergy Company
Address: 341 White Pond
City, State, Zip: Akron, OH 44320
Phone: (330) 315-6936 Fax: (330) 714-8155
Email: aruszala@firstenergycorp.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

10/15/2025
date

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pennsylvania Ecological Services Field Office
110 Radnor Road Suite 101
State College, PA 16801-7987
Phone: (814) 234-4090 Fax: (814) 234-0748

In Reply Refer To: 08/07/2025 20:53:45 UTC
Project Code: 2025-0133056
Project Name: Stoney Springs Junction Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/program/migratory-bird-permit/what-we-do.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

- USFWS National Wildlife Refuges and Fish Hatcheries

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Pennsylvania Ecological Services Field Office
110 Radnor Road Suite 101
State College, PA 16801-7987
(814) 234-4090

PROJECT SUMMARY

Project Code: 2025-0133056

Project Name: Stoney Springs Junction Project

Project Type: Transmission Line - Maintenance/Modification - Above Ground

Project Description: The Project consists of the installation of multiple switches and SCADA (Supervisory Control and Data Acquisition) control on the Hempfield-Harrison City-Luxor 138kV Transmission Line (Stoney Springs Junction) and the conversion of Stoney Springs Junction to a 3-breaker ring bus. Project components include:

• The construction of a new substation, Stoney Springs Substation, on an approximately 23-acre parcel;

• The installation of a loop line to tie Hempfield-Harrison City-Luxor 138kV Transmission Line to the proposed substation;

• The installation of three switches with SCADA control at the North Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the North Oakford 138 kV Tap Line); and

• The installation of three switches with SCADA control at the South Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the South Oakford 138 kV Tap Line).

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.36057705,-79.55627053894764,14z

Counties: Westmoreland County, Pennsylvania

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Indiana Bat *Myotis sodalis* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus* There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Sara Covolo
Address: 385 E Waterfront Drive
City: Homestead
State: PA
Zip: 15120
Email s.covolo@gaiconsultants.com
Phone: 4123995144

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Pennsylvania Department of Environmental Protection

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pennsylvania Ecological Services Field Office
110 Radnor Road Suite 101
State College, PA 16801-7987
Phone: (814) 234-4090 Fax: (814) 234-0748

In Reply Refer To: 09/05/2025 18:16:41 UTC
Project code: 2025-0133056
Project Name: Stoney Springs Junction Project

Federal Nexus: yes
Federal Action Agency (if applicable): Pennsylvania Department of Environmental Protection

Subject: Technical assistance for 'Stoney Springs Junction Project'

Dear Sara Covolo:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on September 05, 2025, for 'Stoney Springs Junction Project' (here forward, Project). This project has been assigned Project Code 2025-0133056 and all future correspondence should clearly reference this number. **Please carefully review this letter. Your Endangered Species Act (Act) requirements may not be complete.**

Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in IPaC or the Northern Long-eared Bat and Tricolored Bat Range-wide Determination Key (Dkey), invalidates this letter. ***Answers to certain questions in the DKey commit the project proponent to implementation of conservation measures that must be followed for the ESA determination to remain valid. Note that conservation measures for northern long-eared bat and tricolored bat may differ. If both bat species are present in the action area and the key suggests more conservative measures for one of the species for your project, the Project may need to apply the most conservative measures in order to avoid adverse effects. If unsure which conservation measures should be applied, please contact the appropriate Ecological Services Field Office***

Determination for the Northern Long-Eared Bat and Tricolored Bat

Based upon your IPaC submission and a standing analysis completed by the Service, your project has reached the following effect determination(s):

Species	Listing Status	Determination
Northern Long-eared Bat (*Myotis septentrionalis*)	Endangered	NLAA
Tricolored Bat (*Perimyotis subflavus*)	Proposed Endangered	NLAA

Federal agencies must consult with U.S. Fish and Wildlife Service under section 7(a)(2) of the Endangered Species Act (ESA) when an action *may affect* a listed species. Tricolored bat is proposed for listing as endangered under the ESA, but not yet listed. For actions that may affect a proposed species, agencies cannot consult, but they can *confer* under the authority of section 7(a)(4) of the ESA. Such conferences can follow the procedures for a consultation and be adopted as such if and when the proposed species is listed. Should the tricolored bat be listed, agencies must review projects that are not yet complete, or projects with ongoing effects within the tricolored bat range that previously received a NE or NLAA determination from the key to confirm that the determination is still accurate.

Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination key for the northern long-eared bat and tricolored bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Indiana Bat *Myotis sodalis* Endangered
- Monarch Butterfly *Danaus plexippus* Proposed Threatened

You may coordinate with our Office to determine whether the Action may cause prohibited take of the animal species listed above. Note that if a new species is listed that may be affected by the identified action before it is complete, additional review is recommended to ensure compliance with the Endangered Species Act.

Next Steps

Consultation with the Service is necessary. The project has a federal nexus (e.g., Federal funds, permit, etc.), but you are not the federal action agency or its designated (in writing) non-federal representative. Therefore, the ESA consultation status is incomplete and no project activities should occur until consultation between the Service and the Federal action agency (or designated non-federal representative), is completed.

As the federal agency or designated non-federal representative deems appropriate, they should submit their determination of effects to the Service by doing the following.

1. Log into IPaC using an agency email account and click on My Projects, click "Search by record locator" to find this Project using **008-169547822**. (Alternatively, the originator of the project in IPaC can add the agency representative to the project by using the Add Member button on the project home page.)

2. Review the answers to the Northern Long-eared Bat and Tricolored Bat Range-wide Determination Key to ensure that they are accurate.
3. Click on Review/ Finalize to convert the ‘not likely to adversely affect’ technical assistance letter to a concurrence letter. Download the concurrence letter for your files if needed.

If no changes occur with the Project or there are no updates on listed species, no further consultation/coordination for this project is required for the northern long-eared bat. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional coordination with the Service should take place before project implements any changes which are final or commits additional resources.

If you have any questions regarding this letter or need further assistance, please contact the Pennsylvania Ecological Services Field Office and reference Project Code 2025-0133056 associated with this Project.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Stoney Springs Junction Project

2. Description

The following description was provided for the project 'Stoney Springs Junction Project':

> The Project consists of the installation of multiple switches and SCADA (Supervisory Control and Data Acquisition) control on the Hempfield-Harrison City-Luxor 138kV Transmission Line (Stoney Springs Junction) and the conversion of Stoney Springs Junction to a 3-breaker ring bus. Project components include:
> • The construction of a new substation, Stoney Springs Substation, on an approximately 23-acre parcel;
> • The installation of a loop line to tie Hempfield-Harrison City-Luxor 138kV Transmission Line to the proposed substation;
> • The installation of three switches with SCADA control at the North Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the North Oakford 138 kV Tap Line); and
> • The installation of three switches with SCADA control at the South Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the South Oakford 138 kV Tap Line).

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.360569,-79.55627947309486,14z

DETERMINATION KEY RESULT

Based on the answers provided, the proposed Action is consistent with a determination of “may affect, but not likely to adversely affect” for a least one species covered by this determination key.

QUALIFICATION INTERVIEW

1. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed bats or any other listed species?

   Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

   No

2. Is the action area wholly within Zone 2 of the year-round active area for northern long-eared bat and/or tricolored bat?

   Automatically answered
   No

3. Does the action area intersect Zone 1 of the year-round active area for northern long-eared bat and/or tricolored bat?

   Automatically answered
   No

4. Does any component of the action involve leasing, construction or operation of wind turbines? Answer 'yes' if the activities considered are conducted with the intention of gathering survey information to inform the leasing, construction, or operation of wind turbines.

   No

5. Is the proposed action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

   Note for projects in Pennsylvania: Projects requiring authorization under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act would be considered as having a federal nexus. Since the U.S. Army Corps of Engineers (Corps) has issued the Pennsylvania State Programmatic General Permit (PASPGP), which may be verified by the PA Department of Environmental Protection or certain Conservation Districts, the need to receive a Corps authorization to perform the work under the PASPGP serves as a federal nexus. As such, if proposing to use the PASPGP, you would answer ‘yes’ to this question.

   Yes

6. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) funding or authorizing the proposed action, in whole or in part?

   No

7. Are you an employee of the federal action agency or have you been officially designated in writing by the agency as its designated non-federal representative for the purposes of Endangered Species Act Section 7 informal consultation per 50 CFR § 402.08?

   Note: This key may be used for federal actions and for non-federal actions to facilitate section 7 consultation and to help determine whether an incidental take permit may be needed, respectively. This question is for information purposes only.

   No

8. Is the lead federal action agency the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC)? Is the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC) funding or authorizing the proposed action, in whole or in part?

   No

9. Is the lead federal action agency the Federal Energy Regulatory Commission (FERC)?

   No

10. [Semantic] Is the action area located within 0.5 miles of a known bat hibernaculum or winter roost? Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your state wildlife agency.

    Automatically answered

    No

11. Does the action area contain any winter roosts or caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, or tunnels that could provide habitat for hibernating bats?

    No

12. Does the action area contain (1) talus or (2) anthropogenic or naturally formed rock shelters or crevices in rocky outcrops, rock faces or cliffs?

    No

13. Will the action cause effects to a bridge?

    Note: Covered bridges should be considered as bridges in this question.

    No

14. Will the action result in effects to a culvert or tunnel at any time of year?

    No

15. Are trees present within 1000 feet of the action area?

    Note: If there are trees within the action area that are of a sufficient size to be potential roosts for bats answer "Yes". If unsure, additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines.

    Yes

16. Does the action include the intentional exclusion of bats from a building or building-like structure? **Note:** Exclusion is conducted to deny bats' entry or reentry into a building. To be effective and to avoid harming bats, it should be done according to established standards. If your action includes bat exclusion and you are unsure whether northern long-eared bats or tricolored bats are present, answer "Yes." Answer "No" if there are no signs of bat use in the building/structure. If unsure, contact your local Ecological Services Field Office to help assess whether northern long-eared bats or tricolored bats may be present. Contact a Nuisance Wildlife Control Operator (NWCO) for help in how to exclude bats from a structure safely without causing harm to the bats (to find a NWCO certified in bat standards, search the Internet using the search term "National Wildlife Control Operators Association bats"). Also see the White-Nose Syndrome Response Team's guide for bat control in structures.

    No

17. Does the action involve removal, modification, or maintenance of a human-made building-like structure (barn, house, or other building) **known or suspected to contain roosting bats?**

    No

18. Will the action cause construction of one or more new roads open to the public?

    For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

    No

19. Will the action include or cause any construction or other activity that is reasonably certain to increase average night-time traffic permanently or temporarily on one or more existing roads? **Note:** For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.). .

    No

20. Will the action include or cause any construction or other activity that is reasonably certain to increase the number of travel lanes on an existing thoroughfare?

    For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

    No

21. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

    Note: For information regarding NSF/ANSI 60 please visit https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects

    No

22. Will the proposed action involve the creation of a new point source discharge from a facility other than a water treatment plant or storm water system?

    No

23. Will the action include drilling or blasting?

    No

24. Will the action involve military training (e.g., smoke operations, obscurant operations, exploding munitions, artillery fire, range use, helicopter or fixed wing aircraft use at night)?

    No

25. Will the proposed action involve the use of herbicides or pesticides (e.g., fungicides, insecticides, or rodenticides)?

    No

26. Will the action include or cause activities that are reasonably certain to cause chronic or intense nighttime noise (above current levels of ambient noise in the area) in suitable summer habitat for the northern long-eared bat or tricolored bat during the active season?

    Chronic noise is noise that is continuous or occurs repeatedly again and again for a long time. Sources of chronic or intense noise that could cause adverse effects to bats may include, but are not limited to: road traffic; trains; aircraft; industrial activities; gas compressor stations; loud music; crowds; oil and gas extraction; construction; and mining.

    Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines.

    No

27. Does the action include, or is it reasonably certain to cause, the use of permanent or temporary artificial lighting within 1000 feet of suitable northern long-eared bat or tricolored bat roosting habitat?

    Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines.

    No

28. Will the action include tree cutting or other means of knocking down or bringing down trees, tree topping, or tree trimming?

    Yes

29. Is the project related to the production of coal, including projects that support the mining of coal, as well as the production and/or distribution of energy produced from coal?

    No

30. Will the proposed action occur exclusively in an already established and currently maintained utility right-of-way?

    No

31. Does the action include emergency cutting or trimming of hazard trees in order to remove an imminent threat to human safety or property? See hazard tree note at the bottom of the key for text that will be added to response letters

    Note: A "hazard tree" is a tree that is an immediate threat to lives, public health and safety, or improved property.

    No

32. Does the project intersect with the 0- 9.9% forest density category?

    Automatically answered
    No

33. Does the project intersect with the 10.0- 19.9% forest density category map?

    Automatically answered
    No

34. Does the project intersect with the 20.0- 29.9% forest density category map?

    Automatically answered
    No

35. Does the project intersect with the 30.0- 100% forest density category map?

    Automatically answered
    Yes

36. Will the action cause trees to be cut, knocked down, or otherwise brought down across an area greater than 100 acres in total extent?

    No

37. Will the proposed action result in the use of prescribed fire?

    Note: If the prescribed fire action includes other activities than application of fire (e.g., tree cutting, fire line preparation) please consider impacts from those activities within the previous representative questions in the key. This set of questions only considers impacts from flame and smoke.

    No

38. Does the action area intersect the northern long-eared bat species list area?

    Automatically answered
    Yes

39. [Semantic] Is the action area located within 0.5 miles of radius of an entrance/opening to any known NLEB hibernacula or winter roost? Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

    Automatically answered
    No

40. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats? **Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

    Automatically answered
    No

41. [Semantic] Is the action area located within 150 feet of a documented northern long-eared bat roost site?

    Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.Have you contacted the appropriate agency to determine if your action is within 150 feet of any documented northern long-eared bat roosts?

    Note: A document with links to Natural Heritage Inventory databases and other state-specific sources of information on the locations of northern long-eared bat roosts is available here. Location information for northern long-eared bat roosts is generally kept in state natural heritage inventory databases – the availability of this data varies by state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited.

    Automatically answered
    No

42. Is suitable summer habitat for the northern long-eared bat present within 1000 feet of project activities?
    If unsure, answer "Yes."

    Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines.

    Yes

43. Has a presence/probable absence summer bat survey targeting the northern long-eared bat following the Service's Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines been conducted within the project area?

    No

44. Are any of the trees proposed for cutting or other means of knocking down, bringing down, topping, or trimming suitable for northern long-eared bat roosting (i.e., live trees and/or snags ≥3 inches dbh that have exfoliating bark, cracks, crevices, and/or cavities)?

    Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines.

    Yes

45. Will any tree cutting/trimming or other knocking or bringing down of trees occur during the **Summer Occupancy season** for northern long-eared bats in the action area? **Note:** Bat activity periods for your state can be found in Appendix 2 of the Service's Northern long-eared Bat and Tricolored Bat Voluntary Environmental Review Process for Development Projects.

    No

46. Does the action area intersect the tricolored bat species list area?

    Automatically answered
    Yes

47. Is the action area located within 0.5-mile of radius of an entrance/opening to any known tricolored bat hibernacula or winter roost?

    Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your state wildlife agency.

    Automatically answered
    No

48. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats? **Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

    Automatically answered
    No

49. Has a presence/probable absence bat survey targeting the tricolored bat and following the Service's Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines been conducted within the project area?

    No

50. Is suitable summer habitat for the tricolored bat present within 1000 feet of project activities?
(If unsure, answer ""Yes."")

    Note: If there are trees within the action area that may provide potential roosts for tricolored bats (e.g., clusters of leaves in live and dead deciduous trees, Spanish moss (Tillandsia usneoides), clusters of dead pine needles of large live pines) answer ""Yes."" For a complete definition of suitable summer habitat for the tricolored bat, please see Appendix A in the Service's Range-wide Indiana Bat and Northern long-eared Bat Survey Guidelines.

    Yes

51. Do any of the trees proposed for cutting or other means of knocking down, bringing down, topping, or trimming provide potential roosts for tricolored bats (e.g., clusters of leaves in live and dead deciduous trees, Spanish moss (*Tillandsia usneoides*), clusters of dead pine needles of large live pine trees)?

    Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines.

    Yes

52. Will any tree cutting/trimming or other knocking or bringing down of trees be conducted during the Pup Season for tricolored bat? **Note:** Bat activity periods for your state can be found in Appendix 2 of the Service's Northern Long-eared Bat and Tricolored Bat Voluntary Environmental Review Process for Developmental Projects.

    No

53. Do you have any documents that you want to include with this submission?

    No

PROJECT QUESTIONNAIRE

Enter the extent of the action area (in acres) from which trees will be removed - round up to the nearest tenth of an acre. For this question, include the entire area where tree removal will take place, even if some live or dead trees will be left standing.

1.8

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Sara Covolo
Address: 385 E Waterfront Drive
City: Homestead
State: PA
Zip: 15120
Email s.covolo@gaiconsultants.com
Phone: 4123995144

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Pennsylvania Department of Environmental Protection

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pennsylvania Ecological Services Field Office
110 Radnor Road Suite 101
State College, PA 16801-7987
Phone: (814) 234-4090 Fax: (814) 234-0748

In Reply Refer To: 09/05/2025 17:47:12 UTC
Project code: 2025-0133056
Project Name: Stoney Springs Junction Project

Federal Nexus: yes
Federal Action Agency (if applicable): Pennsylvania Department of Environmental Protection

Subject: Technical assistance for 'Stoney Springs Junction Project'

Dear Sara Covolo:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on September 05, 2025, for “Stoney Springs Junction Project” (here forward, Project). This project has been assigned Project Code 2025-0133056 and all future correspondence should clearly reference this number.

The Service developed the IPaC system and associated species’ determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into the IPaC must accurately represent the full scope and details of the Project. Failure to accurately represent or implement the Project as detailed in IPaC or the Northeast Determination Key (Dkey), invalidates this letter. ***Answers to certain questions in the DKey commit the project proponent to implementation of conservation measures that must be followed for the ESA determination to remain valid.***

To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative effect(s)), to a federally listed species or designated critical habitat. Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may include consequences occurring outside the immediate area involved in the action. (See § 402.17). Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no further consultation with, or concurrence from, the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required (except when the Service concurs, in writing, that a

proposed action "is not likely to adversely affect (NLAA)" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13]).

The IPaC results indicated the following species is (are) potentially present in your project area and, based on your responses to the Service's Northeast DKey, you determined the proposed Project will have the following effect determinations:

Species	Listing Status	Determination
Indiana Bat (*Myotis sodalis*)	Endangered	NLAA

Conclusion

Coordination with the Service is not complete. The project has a federal nexus (e.g., funds, permits); however, you are not the federal action agency. Therefore, the ESA consultation status is incomplete and no project activities on any portion of the parcel should occur until consultation between the Service and the Federal action agency (or designated non-federal representative), is completed. Section 7 consultation is not complete until the federal action agency submits a determination of effects, and the Service concurs with the federal action agency's determination. Please provide this technical assistance letter to the lead federal action agency or its designated non-federal representative with a request for its review. Determinations for proposed species are provided for informational purposes.

As the federal agency deems appropriate, they should submit their determination of effects to the appropriate Ecological Services Field Office. The lead federal action agency or designated non-federal representative can log into IPaC system using their agency email account and click "Search by record locator" to find this Project using 008-169542245.

Other Species and Critical Habitat that May be Present in the Action Area

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and are not covered by this conclusion:

- Monarch Butterfly *Danaus plexippus* Proposed Threatened
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered

If no changes occur with the Project or there are no updates on listed species, no further consultation/coordination for this project is required for the species identified above. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional consultation with the Service

should take place before project implements any changes which are final or commits additional resources.

Please Note: If the Action may impact bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act (BGEPA) (54 Stat. 250, as amended, 16 U.S.C. 668a-d) by the prospective permittee may be required. Please contact the Migratory Birds Permit Office, (413) 253-8643, or PermitsR5MB@fws.gov, with any questions regarding potential impacts to Eagles.

If you have any questions regarding this letter or need further assistance, please contact the Pennsylvania Ecological Services Field Office and reference the Project Code associated with this Project.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Stoney Springs Junction Project

2. Description

The following description was provided for the project 'Stoney Springs Junction Project':

> The Project consists of the installation of multiple switches and SCADA (Supervisory Control and Data Acquisition) control on the Hempfield-Harrison City-Luxor 138kV Transmission Line (Stoney Springs Junction) and the conversion of Stoney Springs Junction to a 3-breaker ring bus. Project components include:
> • The construction of a new substation, Stoney Springs Substation, on an approximately 23-acre parcel;
> • The installation of a loop line to tie Hempfield-Harrison City-Luxor 138kV Transmission Line to the proposed substation;
> • The installation of three switches with SCADA control at the North Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the North Oakford 138 kV Tap Line); and
> • The installation of three switches with SCADA control at the South Oakford Tap (two switches on the Hempfield-Harrison City-Luxor 138kV Transmission Line and one switch on the South Oakford 138 kV Tap Line).

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.360569,-79.55627947309486,14z

QUALIFICATION INTERVIEW

1. As a representative of this project, do you agree that all items submitted represent the complete scope of the project details and you will answer questions truthfully?

   Yes

2. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed species?

   Note: This question could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered, or proposed species.

   No

3. Is the action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

   Note: for projects in Pennsylvania: Projects requiring authorization under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act would be considered as having a federal nexus. Since the U.S. Army Corps of Engineers (Corps) has issued the Pennsylvania State Programmatic General Permit (PASPGP), which may be verified by the PA Department of Environmental Protection or certain Conservation Districts, the need to receive a Corps authorization to perform the work under the PASPGP serves as a federal nexus. As such, if proposing to use the PASPGP, you would answer ‘yes’ to this question.

   Yes

4. Are you including in this analysis all impacts to federally listed species that may result from the entirety of the project (not just the activities under federal jurisdiction)?

   Note: If there are project activities that will impact listed species that are considered to be outside of the jurisdiction of the federal action agency submitting this key, contact your local Ecological Services Field Office to determine whether it is appropriate to use this key. If your Ecological Services Field Office agrees that impacts to listed species that are outside the federal action agency's jurisdiction will be addressed through a separate process, you can answer yes to this question and continue through the key.

   Yes

5. Are you the lead federal action agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

   No

6. Is the lead federal action agency the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC)?

   No

7. Is the lead federal action agency the Federal Energy Regulatory Commission (FERC)?

   No

8. Is the lead federal action agency the Natural Resources Conservation Service?

   No

9. Will the proposed project involve the use or storage of herbicide?

   No

10. Will the proposed project involve herbaceous native vegetation removal (including prescribed fire that would result in burning of plants) or mowing?

    Yes

11. Will all activities occur within an area that is currently paved, graveled, routinely maintained lawn, and/or inside a structure?

    No

12. Will the proposed project involve demolition, rehabilitation, property elevation, renovation, and/or rebuilding of one or more existing buildings (e.g., residential, commercial and industrial buildings, or utilities)? Note: if project activities include modification of bridges and/or culverts, answer this question "No".

    Yes

13. Is the entire project footprint, including staging areas, currently developed or hard surfaced (i.e., the site consists entirely of existing roads, sidewalks, buildings, driveways, routinely mown grass etc.) and does not contain any undeveloped and/or previously undisturbed vegetated areas?

    No

14. Does your project involve excessive noise (e.g. jackhammer or other equipment use outside a building that requires hearing protection for the operator), new hydrological impacts (e.g., changes to stormwater discharge), or impacts to structures that are being used by any federally endangered or threatened species (e.g., roosting Indiana bats, nesting piping plover or roseate tern using gravel or paved surfaces, etc.) or are there known reports of species using areas within the project footprint? Note: If unsure, answer no or conduct a site survey to ensure that listed species are not present.

    No

15. Will completion of this project require clearing or land disturbance of any areas that were not already developed and/or disturbed prior to the start of the proposed project?
    Note: Examples of land disturbance may include, but are not limited to, grading, tree or vegetation removal, excavation, etc.

    No

16. Does the project area intersect the boundary of VAFO?

    Automatically answered
    No

17. Does any component of the project associated with this action include activities or structures that may pose a collision risk to **birds** (e.g., plane-based surveys, land-based or offshore wind turbines, new or enlarged communication towers or broadcast towers, high voltage transmission lines, any type of towers with or without guy wires)?

    Yes

18. Will the proposed project involve earth moving or other ground disturbance that could cause erosion and sedimentation, and/or contamination within 300 feet of a freshwater wetland or along a stream?

    Note: Answer "Yes" to this question if erosion and sediment control measures will be used.

    Yes

19. Will the proposed project impact streams or tributaries of streams where listed species may be present through activities such as, but not limited to, valley fills, large-scale vegetation removal that could result in ground destabilization, and/or change in site topography?

    No

20. Will the proposed project involve vegetation removal within 300 feet of a perennial stream bank where aquatic listed species may be present?

    Yes

21. Will erosion and sedimentation control Best Management Practices (BMPs) associated with applicable state and/or Federal permits, be applied to the project?

    Note: If BMPs have been provided by and/or coordinated with and approved by the appropriate Ecological Services Field Office, answer "Yes" to this question.

    Yes

22. Is the project being funded, lead, or managed in whole or in part by U.S Fish and Wildlife Restoration and Recovery Program (e.g., Partners, Coastal, Fisheries, Wildlife and Sport Fish Restoration, Refuges)?

    No

23. Does the proposed project involve construction or installation of a non-commercial boat dock on a stream?

    No

24. Does any component of the project associated with this action include activities or structures that may pose a collision risk to **bats** (e.g., plane-based surveys, land-based or offshore wind)?

    No

25. Will the proposed project result in permanent changes to surface water or groundwater quantity, retention, quality or timing in areas where **bats** may be present?

    No

26. Will the proposed project affect wetlands in areas where **bats** may be present?

    Yes

27. Will the proposed project involve blasting where bats may be present?

    No

28. Does the project intersect the Indiana bat species list area?

    Automatically answered
    Yes

29. Are there any caves, mines, or mine features that are suitable for hibernating Indiana bats within the area expected to be impacted by the project?

    No

30. Are trees present within the action area?

    Note: If there are trees within the action area that are of a sufficient size to be potential roosts for bats (i.e., live trees and/or snags ≥5 inches dbh (12.7 centimeter), answer "Yes". If you are unsure, answer “Yes.” Or refer to Appendix A of the Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines for definitions and an assessment form that will assist you in determining if suitable habitat is present within your project's action area. Suitable summer habitat for Indiana bat consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥5 inches dbh (12.7 centimeter) that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat.

    Yes

31. Has a presence/probable absence bat survey following the Service’s Range-wide Indiana Bat and Northern long-eared Bat Survey Guidelines been conducted within the action area?

    No

32. Does the project involve removal or modification of a human-made structure (barn, house, or other building) known or suspected to contain roosting bats? **Note:** Most maintenance and general human disturbance in and around structures will not affect Indiana bats as bats roosting in human structures are adjusted to a certain level of routine noise and are generally expected to roost away from areas with excessive disturbance. Answer ‘no’ if the proposed action will not include disturbance to human structures known or suspected to contain roosting bats or if the structure does not offer suitable roosting habitat for northern long-eared bats. If unsure, answer ‘yes.’

    No

33. Does the project include removal/modification of an existing culvert?

    No

34. Does the project include removal/modification of an existing bridge?

    No

35. Will the project include tree cutting, other means of knocking down or bringing down trees, or tree trimming?

    Yes

36. Is the project related to the production of coal, including projects that support the mining of coal, as well as the production and/or distribution of energy produced from coal?

    No

37. Does the project include emergency cutting or trimming of hazard trees in order to remove an imminent threat to human safety or property?

    No

38. Does the project intersect with the 0- 9.9% forest density category?

    Automatically answered
    No

39. Does the project intersect with the 10.0- 19.9% forest density category map?

    Automatically answered
    No

40. Does the project intersect with the 20.0- 29.9% forest density category map?

    Automatically answered
    No

41. Does the project intersect with the 30.0-100% forest density category map?

    Automatically answered
    Yes

42. Will the action cause trees to be cut, knocked down, or otherwise brought down across an area greater than 40 acres in total extent?

    No

43. Will any tree cutting/trimming or other knocking or bringing down of trees occur during the **Pup Season** for Indiana bats in the action area?

    Note: Bat activity periods for your state can be found in Appendix L of the Service's Range-wide Indiana Bat and Northern long-eared Bat Survey Guidelines.

    No

44. Will the project be associated with a timber harvest or timber sale for management or thinning purposes (not including clear cut), including skid trails, roads, landings and/or stream crossings?

    No

45. Will the project result in the use of prescribed fire?

    No

46. Does the project include temporary or permanent lighting of roadway(s), facility(ies), and/or parking lot(s)?

    No

47. Do you have any other documents that you want to include with this submission?

    No

PROJECT QUESTIONNAIRE

1. Approximately how many acres of trees would the proposed project remove?

   1.2

2. Approximately how many total acres of disturbance are within the disturbance/ construction limits of the proposed project?

   15

3. Briefly describe the habitat within the construction/disturbance limits of the project site.

   agricultural, forested corridor, and residential properties

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Sara Covolo
Address: 385 E Waterfront Drive
City: Homestead
State: PA
Zip: 15120
Email s.covolo@gaiconsultants.com
Phone: 4123995144

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Pennsylvania Department of Environmental Protection

Exhibit 11

Pennsylvania State Historic Preservation Office
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

February 20, 2025

Sent Via PA-SHARE

RE: ER Project # 2025PR00813.001, Stoney Springs Junction Area 138kV Reliability Enhancement Project, Department of Environmental Protection, Salem Township, Westmoreland County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Above Ground Resources
No Above Ground Concerns - Environmental Review - No Effect - Above Ground

Based on the information received and available within our files, it is our opinion that the proposed project will have No Effect on above ground historic properties, including historic buildings, districts, structures, and/or objects, should they exist. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning above ground resources, please contact Sara-Ladd Manley at samanley@pa.gov.

Archaeological Resources
More Information Requested - Environmental Review - More Info Archaeological - High Prob

Based on an evaluation by our staff, there is a high probability that National Register-eligible archaeological sites are present within this project area. These sites could be adversely affected by project activities. PA SHPO recommends that the Phase I survey be limited to the portions of the proposed APE that have not already been previously surveyed. Our review considers the locations of known archaeological resources, the Statewide Pre-Contact Predictive Model, soil type, topographic setting, slope direction and distance to water, among other regionally specific predictive factors for archaeological site locations. It is our opinion that a Phase I archaeological survey should be conducted to locate potentially significant resources. Guidelines and instructions for conducting all phases of archaeological survey in Pennsylvania are available on our website.

More Information Requested - New Survey

Please use this request for more information to enter survey and resource details and upload the survey report. Please submit the requested materials to the PA SHPO through PA-SHARE using the link under SHPO Requests More Information on the Response screen. Please submit the requested materials to the PA SHPO through PA-SHARE using the link under SHPO Requests More Information on the Response screen.

For questions concerning archaeological resources, please contact Kristen Walczesky at kwalczesky@pa.gov.

Sincerely,

Barbara Frederick
Environmental Review Division Manager

Pennsylvania State Historic Preservation Office
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

October 17, 2025

Sent Via PA-SHARE

RE: ER Project # 2025PR00813.004, Stoney Springs Junction Area 138kV Reliability Enhancement Project, Department of Environmental Protection, Salem Township, Westmoreland County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

Archaeological Resources
No Archaeological Concerns - Environmental Review - DOE- Not Eligible - Archaeology Report

The PA SHPO concurs with the findings of the report that the following properties are Not Eligible for listing in the National Register of Historic Places due to a lack of integrity and/or significance: 36WM1548: Shutt Farmstead. This report meets our standards and specifications as outlined in Guidelines for Archaeological Investigations in Pennsylvania (SHPO 2021) and the Secretary of the Interior's Guidelines for Archaeological Documentation. We agree with the recommendations of this report, and in our opinion, no further archaeological work is necessary for this project. If project plans should change and/or you should be made aware of historic property concerns, including archaeological resources, please reinitiate consultation with our office via PA-SHARE.

For questions concerning archaeological resources, please contact Kristen Walczesky at kwalczesky@pa.gov.

Sincerely,

Barbara Frederick
Environmental Review Division Manager

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

LETTER OF NOTIFICATION OF KEYSTONE APPALACHIAN TRANSMISSION COMPANY FOR APPROVAL OF THE HARRISON CITY-HEMPFIELD-LUXOR 138 KILOVOLT TRANSMISSION LINE RECONFIGURATION PROJECT IN HEMPFIELD AND SALEM TOWNSHIPS, WESTMORELAND COUNTY, PENNSYLVANIA	**Docket No. A-2026-**

VERIFICATION

I, Michael DeSarro, state that I am a Transmission Specialist for FirstEnergy Service Company; that I am authorized to make this Verification on behalf of Keystone Appalachian Transmission Company; and that the facts set forth in the Letter of Notification are true and correct to the best of my knowledge, information, and belief. I understand that the statements herein are subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: February 20, 2026

Michael DeSarro