

Edmond West

From: Susan Ahern [sahern@eme-llc.com]
Sent: Wednesday, February 29, 2012 12:26 PM
To: Edmond West
Subject: FW: Rose Hollow- DEP Permit for Low Pressure Sewer System
Attachments: DEPpermit_LPS_12-2-11.pdf

Ed- Sending 3 emails with 3 separate permits. This is the DEP permit for the Low Pressure Sewers.

Sue Ahern
Evans Mill Environmental, LLC
101 Fellowship Road
Uwchland, PA 19480
Phone: 610-458-8300
Fax: 610-458-7168
sahern@eme-llc.com

From: Susan Ahern
Sent: Monday, December 05, 2011 10:51 AM
To: 'wlatoff@DNBFirst.com'
Cc: 'Steve@ebwalshinc.com'
Subject: Rose Hollow- DEP Permit for Low Pressure Sewer System

Bill- Long time coming but.....Attached is a copy of the Water Quality Management Permit issued by DEP for the Low Pressure Sewer system for Rose Hollow.

Any questions, let me know.

Sue

Sue Ahern
Evans Mill Environmental, LLC
101 Fellowship Road
Uwchland, PA 19480
Phone: 610-458-8300
Fax: 610-458-7168
sahern@eme-llc.com

4/19/2012



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

December 2, 2011

Mr. Richard Scott-Harper, Chairman
London Grove Township Municipal Authority
372 Rose Hill Road, Suite 300
West Grove, PA 19390

Re: Rose Hollow Low Pressure Sewer System
Permit No. WQG02151011
File Type: Permit
London Grove Township
Chester County

Dear Mr. Scott-Harper:

Your permit is enclosed.

You must comply with all Permit Conditions attached to this permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

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

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


Mr. Richard Scott-Harper, Chairman

- 2 -

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

If you have any questions, please call Mr. James Roth at 484.250.5169.

Sincerely,



Jenifer Fields, P.E.
Regional Manager
Water Management

Enclosures


cc: Mr. Hudson, P.E. – Evans Mill Environmental, LLC
Operations Section
Re (GJS11WQM)11-12

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

WQG-02
WATER QUALITY MANAGEMENT
GENERAL PERMIT FOR SEWER EXTENSIONS AND PUMP STATIONS
PERMIT NO. WQG02151011

A. PERMITTEE (Name and Address): London Grove Township Municipal Authority 372 Rose Hill Road – Suite 300 West Grove, PA 19390 CLIENT ID# 7442	B. PROJECT/FACILITY (Name): Rose Hollow Low Pressure Sewer System C. LOCATION (County, Municipality): London Grove Township Chester County
D. This General Permit approves the construction and operation of: <input checked="" type="checkbox"/> SEWER EXTENSION <input checked="" type="checkbox"/> PUMP STATIONS	
E. APPROVAL GRANTED BY THIS GENERAL PERMIT IS SUBJECT TO THE FOLLOWING: 1. All construction, operations and procedures shall be in accordance with the <i>Domestic Wastewater Facilities Manual</i> . Transfers: In the event the permittee plans to transfer ownership of the facility to another entity, the permittee and the transferee shall submit an application for such transfer to Department of Environmental Protection (DEP). If the transfer is approved by DEP, the transferee is subject to the terms and conditions of this General Permit. 2. The attached conditions apply to this General Permit and are hereby made part of same.	
F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS: 1. If there is a conflict between the NOI or its supporting documents and amendments and the attached conditions, the attached conditions shall apply. 2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this General Permit shall void the authority given to the permittee by the issuance of this General Permit. 3. This General Permit is issued pursuant to the Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §§ 691.1 <i>et seq.</i> Issuance of this General Permit shall not relieve the permittee of any responsibility under any other law.	
PERMIT ISSUED: December 2, 2011	BY:  TITLE: <u>Water Management Program Manager</u>

Edmond West

From: Susan Ahern [sahern@eme-llc.com]
Sent: Wednesday, February 29, 2012 12:28 PM
To: Edmond West
Subject: Rose Hollow Permit-London Grove Township
Attachments: 1356-04 GenPermit issued.pdf

Ed- this is the General Permit for the sewer line crossing of the stream along Rose Hill Road.

Sue Ahern
Evans Mill Environmental, LLC
101 Fellowship Road
Uwchland, PA 19480
Phone: 610-458-8300
Fax: 610-458-7168
sahern@eme-llc.com



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

1356-04

NOV 18 2011

Ms. Karen A. Crossan
London Grove Township Municipal Authority
372 Rose Hill Road, Suite 300
West Grove, PA 19390

Re: General Permit Acknowledgment
DEP General Permit File No. GP051511325
2-inch Sanitary Sewer Line
London Grove Township
Chester County

Dear Ms. Crossan:

This will acknowledge receipt of your General Permit Registration No. 5 (copy enclosed) and registers your use of a General Permit. You are responsible for assuring the work is done in accordance with the drawings and conditions contained in the General Permit. You may proceed with your project after making the required notifications stipulated in the General Permit and securing all other approvals that may be necessary.

Please be advised that this project does not require federal authorization since there is no proposed discharge to waterways. Subsequently, a Pennsylvania State Programmatic General Permit (PASPG), relating to Section 404 of the Clean Water Act, is not required. The U.S. Army Corps of Engineers may be contacted at 215.656.6728 for further information.

Also, you are required to develop an Erosion and Sediment Control Plan and notify your county conservation district prior to performing any earthmoving activities. No earthwork may start until you receive an "adequate" review letter from the Conservation District.

Before performing any work, you are required to secure all other approvals that may be necessary under other federal, state, or local regulations and notify the Pennsylvania Fish and Boat Commission in accordance with the General Permit.

NOV 18 2011

Ms. Karen A. Crossan

- 2 -

If you have any questions, please call me at 484.250.5165.

Sincerely,



Govind Daryani, P.E.
Project Manager
Dams and Waterways Section
Watershed Management

Enclosures

cc: PA Fish & Boat Commission, Southeast Regional Office
U.S. Army Corps of Engineers, Philadelphia District
London Grove Township
Ms. Ahern - Evans Mill Environmental, LLC
Chester County Conservation District
Re 30 (joh11wtsd)320-6



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

DEP USE ONLY

Acknowledged Date: 4/16/11GP 05151335

GP _____

GP _____

PASPGP-4 Authorization included:

☐ YES ☐ NO

GENERAL PERMIT REGISTRATION

CHAPTER 105 GENERAL PERMITS

PLEASE CHECK ALL THAT APPLY:

- ☐ GP-1 – Fish Habitat Enhancement Structures
☐ GP-2 – Small Docks & Boat Launching Ramps
 Please check one of the boxes below if utilizing GP-2 (See Part 1, Section C):
☐ private recreational dock
☐ public access facility
☐ public service facility
☐ other private or commercial facility

- ☐ GP-3 – Bank Rehabilitation, Bank Protection & Gravel Bar Removal
☐ GP-4 – Intake and Outfall Structures
☒ GP-5 – Utility Line Stream Crossing
☐ GP-6 – Agricultural Crossings & Ramps
☐ GP-7 – Minor Road Crossings
☐ GP-8 – Temporary Road Crossings
☐ GP-9 – Agricultural Activities
☐ GP-15 – Private Residential Construction in Wetlands

☐ Activity Related to Oil and Gas Exploration and Production

SECTION A. APPLICANT INFORMATION

 Check One: ☒ New Permit ☐ Transfer of Existing Permit – complete Sections A, C & E and transfer form - 3930-PM-WM0016
Applicant Name LONDON GROVE TOWNSHIP MUNICIPAL AUTHORITY
 Contact Person - Last Name CROSSAN First Name KAREN MI A Telephone 610 345-0300

 Mailing Address 372 ROSE HILL RD SUITE 300 WEST GROVE PA 19390
Email Address KCROSSAN@LONDONGROVE.ORG

SECTION B. CONSULTANT (if different than above)

 Consultant - Last Name AHERN First Name SUSAN MI _____
Consulting Firm EVANS MILL ENVIRONMENTAL LLC
 Mailing Address 101 FELLOWSHIP RD P.O. BOX 735 WICKLAND PA 19480

 Telephone 610 458-8300 FAX 610 458 7168 Email SAHERN@EME-LLC.COM

SECTION C. PROJECT INFORMATION

Project Name ROSE HOLLOW LOW PRESSURE SEWER
 Site Location ROSE HILL RD WEST GROVE PA 19390

 Municipality LONDON GROVE City ☐ Borough ☐ Township ☒ County CHESTER

 Latitude 39° 49' 8.37" N Longitude 75° 48' 38.58" W

How many acres of earth disturbance will occur as a result of this project?

☒ Less than one acre☐ 1-5 acres☐ 5 acres or more

SECTION C. PROJECT INFORMATION (continued)

Detailed Written Directions to Project Site:

EAST SIDE OF ROSE HILL ROAD, APPROX
1200' SOUTH OF STATE ROAD

Project Description (briefly describe your project, including proposed impacts to waters and/or wetlands and PNDI Avoidance Measures (if applicable)):

INSTALLATION OF A 2" SANITARY SEWER
FORCE MAIN ALONG ROSE HILL ROAD, USING
DIRECTIONAL DRILLING TO CROSS STREAM
CHANNEL. NO WETLAND IMPACTS PROPOSED.

SECTION D. COMPLIANCE REVIEW

Yes No



Is the applicant (owner and/or operator) currently in violation of any permits issued by the Department?
If yes, please provide:

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

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

SECTION E. CERTIFICATION

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

Karen A. Crossan
Signature of Permittee

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

KAREN A. CROSSAN
Type or Print Name

10/14/11
Date

PA Fish and Boat Commission Approval (for GP-1 only)

Signature

Date

AN ACKNOWLEDGED COPY OF THIS GENERAL PERMIT AND THE APPROVED EROSION AND SEDIMENT
CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.

SECTION F. REGISTRATION CHECKLIST

In order to register to use this General Permit, provide the following information to DEP or the delegated County Conservation District:

- ☒ I (we) have notified the Municipality and County by providing a copy of the General Permit Registration.
- ☒ Completed General Permit Registration Form.
- ☒ Completed Cumulative Impact Project Screening Form.
- ☒ Location Map. An 8 1/2" by 11" photocopy of a portion of the U.S.G.S. 7 1/2 Minute Quadrangle Map with the project site marked. Quadrangle Name: WEST GROVE, PA
- ☒ Sketch plan or other site drawing that provides the necessary information.
- ☒ Project cross-section drawing (where required). (General Permits 2, 3, 4, 5, 6, 7, and 8)
- ☒ Color photographs.
- ☐ PA Fish and Boat Commission approval. (General Permit 1 only)

Pennsylvania Natural Diversity Inventory (PNDI) reviews are required for all General Permits, please check the appropriate box indicating the information provided:

- ☐ Completed PNDI Project Planning and Environmental Review Form (if this form is the only information provided, additional review time will be required)
- ☐ Copy of an Initialed PNDI Project Environmental Review Search Receipt showing No Known Impacts.
- ☒ Copy of an Initialed PNDI Project Environmental Review Search Receipt showing Avoidance Measures which have also been incorporated into the project description.
- ☐ Copy of an Initialed PNDI Project Environmental Review Search Receipt showing Potential Impacts AND documentation of appropriate agency coordination required on PNDI Receipt.

Bog Turtle Habitat screening is required for General Permits 5, 6, 7, 8, and 9 which may impact wetlands in the following counties: Adams, Berks, Bucks, Carbon (Aquashicola Creek Watershed only), Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill (Swatara Creek Watershed only) and York. Please check the appropriate box indicating the information provided:

- ☐ Completed Request for a Bog Turtle Habitat Screening Form (if this form is the only information provided, additional review time will be required)
- ☐ Copy of "No Effect" determination from the Army Corps of Engineers
- ☐ Copy of documented clearance from the US Fish and Wildlife Service.
- ☒ N/A **NO WETLAND IMPACTS PROPOSED.**

For activities which permanently impact wetlands:

- ☒ N/A **NO WETLAND IMPACTS PROPOSED**

- ☐ A wetland delineation with completed data sheets in accordance with the 1987 Corps of Engineers Wetland Delineation Manual and the appropriate Regional Supplements to the Corps of Engineers Wetland Delineation Manual for use in Pennsylvania.
- ☐ If wetland impacts are greater than 0.05 acres, a wetland replacement plan in accordance with the Department's replacement criteria which provides wetland replacement at a one to one acre ratio equaling _____ acres.
- ☐ **If wetland replacement onsite is not feasible:** A check, number _____, in the amount of \$_____ payable to the National Fish and Wildlife Foundation, N.A 1237, as compensatory mitigation for _____ acres of impact in wetlands, in accordance with the Pennsylvania Wetland Replacement Project.

Fee Schedule:

Deminimus impact less than or equal to .05 acre -	\$ 0.00	Greater than .20 acre to .30 acre -	\$2,500.00
Greater than .05 acre to .10 acre -	\$ 500.00	Greater than .30 acre to .40 acre -	\$5,000.00
Greater than .10 acre to .20 acre -	\$1,000.00	Greater than .40 acre to .50 acre -	\$7,500.00

REGISTRATION FORM
 (continued)

LGIMA

Applicant Name

SKETCH PLAN

To ensure the sketch plan is complete, include the following on the site plan in the immediate vicinity of the project.
 (✓ all that apply)

YES	N/A		YES	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stream Name: <u>UNNAMED TRIB EAST BRANCH WHITE CLAY CREEK</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Limits of Earth Disturbance Associated with this Activity
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stream Limits and Flow Direction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Location of Property Lines Relative to the Project
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floodway Limits (if known)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing Buildings, Roadways, Other Structures
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chapter 93 Stream Designation: <u>CWF</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Buildings, Roadways, Other Structures
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waters Impacts with Dimensions Total Length _____ Total sq. ft. _____ # of impacts _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing Utilities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland Impacts Total sq. ft. _____ # of impacts _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Proposed Utilities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland Acreage Onsite _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other Waters on project site (i.e. pond, lakes)

SEE ATTACHED PLAN

Scale 1" = _____ ft.

1. PROJECT INFORMATION

Project Name: LGTMA-Low Pressure Sewer

Date of review: 10/3/2011 4:08:53 PM

Project Category: Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewer line (new - construction in new location)

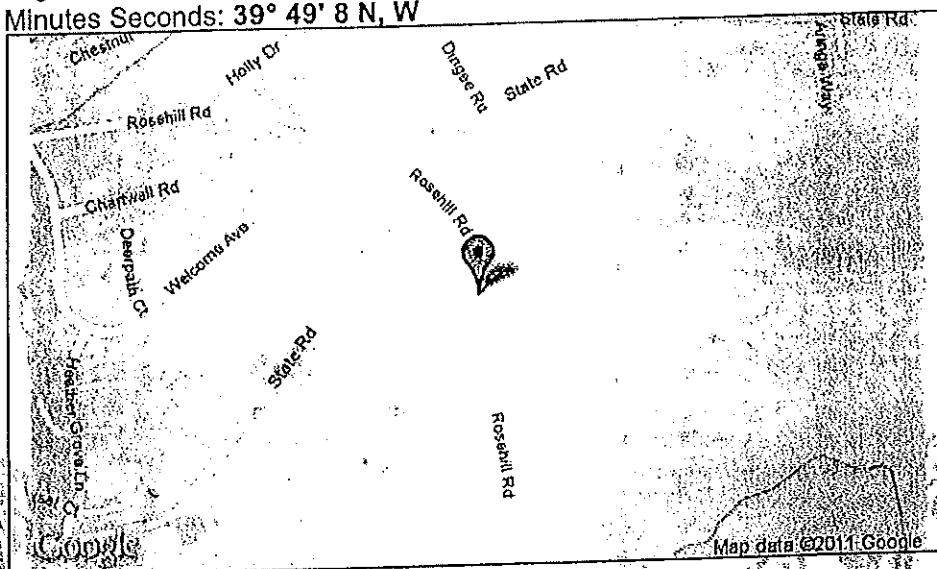
Project Area: N/A

County: Chester Township/Municipality: London Grove

Quadrangle Name: WEST GROVE ~ ZIP Code: 19390

Decimal Degrees: 39.818991 N, -75.810716 W

Degrees Minutes Seconds: 39° 49' 8 N, W



2. SEARCH RESULTS

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

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

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: 1. The entire project will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

Q2: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: 1. Yes

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

PA Game Commission

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

PA Department of Conservation and Natural Resources

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

PA Fish and Boat Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern

species and resources.

U.S. Fish and Wildlife Service

RESPONSE: Avoidance Measure: Avoid in-stream impacts by spanning the waterway or going under it (e.g., via horizontal boring or directional drilling). If in-stream impacts cannot be avoided, carry out instream work -- including installation of permanent structures (e.g., pipelines, livestock crossings, riprap), or installation, use, and removal of temporary structures (e.g., temporary road crossings) -- between October 1 and March 31.

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

 (Signature)

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

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. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

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
Fax: (717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

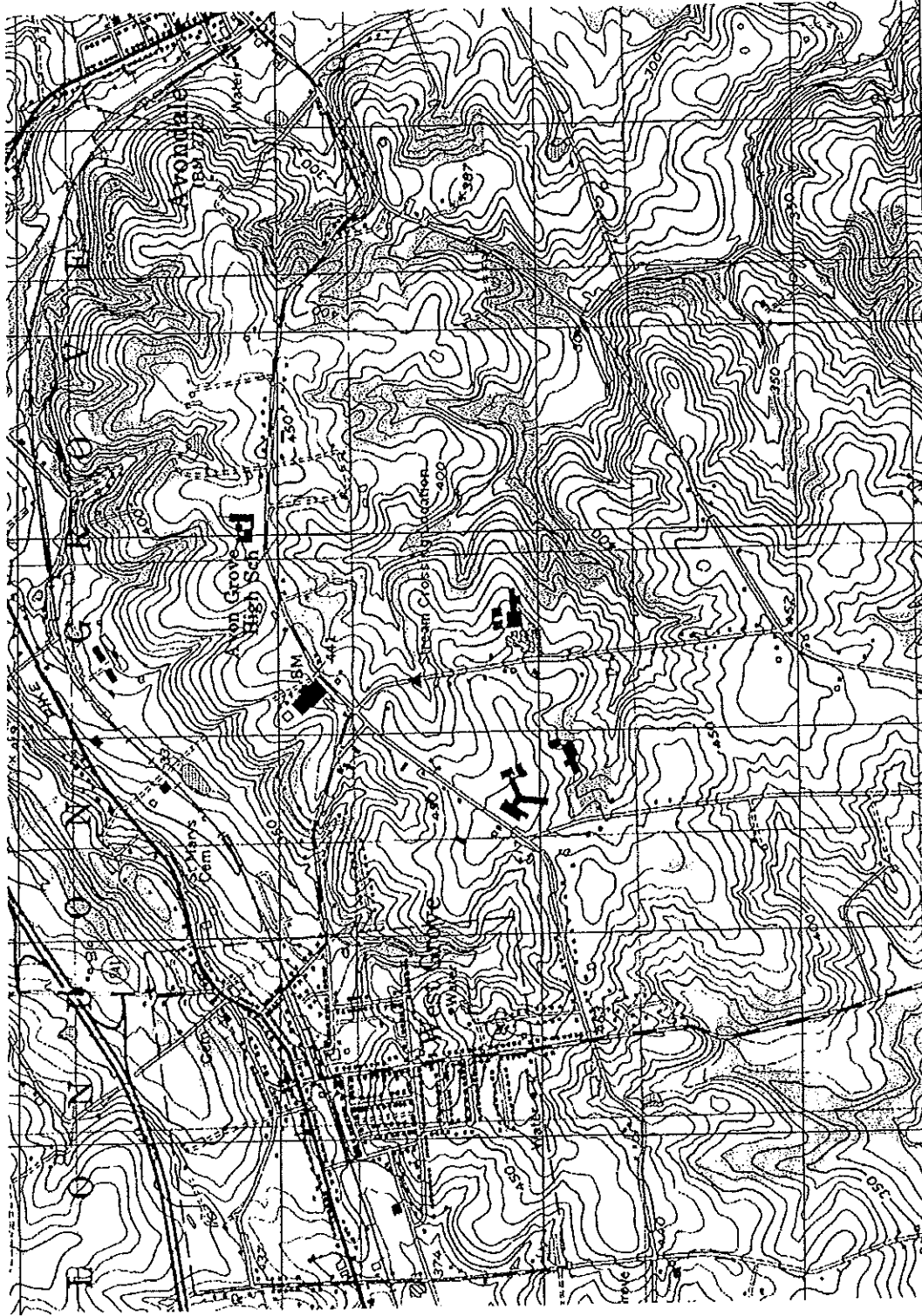
Name: SUSAN AHERN
Company/Business Name: EVANS MILL ENV. LLC
Address: 101 FELLOWSHIP RD P.O. BOX 735
City, State, Zip: WICKLIFF PA 19480
Phone: (610) 458-8300 Fax: (610) 458-7168
Email: SAHERN@EME-LLC.COM

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.

Susan Ahern
applicant/project proponent signature

10/2/11
date



EVANS MILL ENVIRONMENTAL, LLC
P.O. Box 735
101 Fellowship Road
Uwchland, PA 19480
(610) 458-8300
(610) 458-7168 FAX

STREAM CROSSING LOCATION

London Grove Township, Chester County, PA

U. S. G. S. QUADRANGLE - WEST GROVE, PA

Scale: Not to scale	Date: Oct. 4, 2011	By: Aml	EME No: 1356-04
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pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

1356-04

NOV 18 2011

Ms. Karen A. Crossan
London Grove Township Municipal Authority
372 Rose Hill Road, Suite 300
West Grove, PA 19390

Re: General Permit Acknowledgment
DEP General Permit File No. GP051511325
2-inch Sanitary Sewer Line
London Grove Township
Chester County

Dear Ms. Crossan:

This will acknowledge receipt of your General Permit Registration No. 5 (copy enclosed) and registers your use of a General Permit. You are responsible for assuring the work is done in accordance with the drawings and conditions contained in the General Permit. You may proceed with your project after making the required notifications stipulated in the General Permit and securing all other approvals that may be necessary.

Please be advised that this project does not require federal authorization since there is no proposed discharge to waterways. Subsequently, a Pennsylvania State Programmatic General Permit (PASPG), relating to Section 404 of the Clean Water Act, is not required. The U.S. Army Corps of Engineers may be contacted at 215.656.6728 for further information.

Also, you are required to develop an Erosion and Sediment Control Plan and notify your county conservation district prior to performing any earthmoving activities. No earthwork may start until you receive an "adequate" review letter from the Conservation District.

Before performing any work, you are required to secure all other approvals that may be necessary under other federal, state, or local regulations and notify the Pennsylvania Fish and Boat Commission in accordance with the General Permit.

NOV 18 2011

Ms. Karen A. Crossan

- 2 -

If you have any questions, please call me at 484.250.5165.

Sincerely,



Govind Daryani, P.E.
Project Manager
Dams and Waterways Section
Watershed Management

Enclosures

cc: PA Fish & Boat Commission, Southeast Regional Office
U.S. Army Corps of Engineers, Philadelphia District
London Grove Township
Ms. Ahern - Evans Mill Environmental, LLC
Chester County Conservation District
Re 30 (joh11wtsd)320-6



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

GENERAL PERMIT REGISTRATION

DEP USE ONLY

Acknowledged Date: 4/18/11GP 051511335

GP _____

GP _____

PASPGP-4 Authorization included:

☐ YES ☐ NO

CHAPTER 106 GENERAL PERMITS

PLEASE CHECK ALL THAT APPLY:

- ☐ GP-1 – Fish Habitat Enhancement Structures
☐ GP-2 – Small Docks & Boat Launching Ramps
 Please check one of the boxes below if utilizing GP-2 (See Part 1, Section C):
☐ private recreational dock
☐ public access facility
☐ public service facility
☐ other private or commercial facility

- ☐ GP-3 – Bank Rehabilitation, Bank Protection & Gravel Bar Removal
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☒ GP-5 – Utility Line Stream Crossing
☐ GP-6 – Agricultural Crossings & Ramps
☐ GP-7 – Minor Road Crossings
☐ GP-8 – Temporary Road Crossings
☐ GP-9 – Agricultural Activities
☐ GP-15 – Private Residential Construction in Wetlands

☐ Activity Related to Oil and Gas Exploration and Production

SECTION A. APPLICANT INFORMATION

Check One: ☒ New Permit ☐ Transfer of Existing Permit – complete Sections A, C & E and transfer form - 3930-PM-WM0016

Applicant Name LONDON GROVE TOWNSHIP MUNICIPAL AUTHORITY

Contact Person - Last Name CROSSAN First Name KAREN MI A Telephone 610 345-0300

Mailing Address 372 ROSE HILL RD SUITE 300 WEST GROVE PA 19390

Email Address KCROSSAN@LONDONGROVE.ORG

SECTION B. CONSULTANT (if different than above)

☐ N/A

Consultant - Last Name AHERN First Name SUSAN MI _____

Consulting Firm EVANS MILL ENVIRONMENTAL LLC

Mailing Address 101 FELLOWSHIP RD P.O. BOX 735 WICKLAND PA 19480

Telephone 610 458-8300 FAX 610 458 7168 Email SAHERN@EME-LLC.COM

SECTION C. PROJECT INFORMATION

Project Name ROSE HOLLOW LOW PRESSURE SEWER

Site Location ROSE HILL RD WEST GROVE PA 19390

Municipality LONDON GROVE City ☐ Borough ☐ Township ☒ County CHESTER

Latitude 39° 49' 8.37" N Longitude 75° 48' 38.58" W

How many acres of earth disturbance will occur as a result of this project?

☒ Less than one acre

☐ 1-5 acres

☐ 5 acres or more

SECTION C. PROJECT INFORMATION (continued)

Detailed Written Directions to Project Site:

EAST SIDE OF ROSE HILL ROAD, APPROX
1200' SOUTH OF STATE ROAD

Project Description (briefly describe your project, including proposed impacts to waters and/or wetlands and PNDI Avoidance Measures (if applicable)):

INSTALLATION OF A 2" SANITARY SEWER
FORCE MAIN ALONG ROSE HILL ROAD, USING
DIRECTIONAL DRILLING TO CROSS STREAM
CHANNEL. NO WETLAND IMPACTS PROPOSED.

SECTION D. COMPLIANCE REVIEW

Yes No



Is the applicant (owner and/or operator) currently in violation of any permits issued by the Department?
If yes, please provide:

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

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

SECTION E. CERTIFICATION

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

Karen A. Crossan
Signature of Permittee

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

KAREN A. CROSSAN
Type or Print Name

10/14/11
Date

PA Fish and Boat Commission Approval (for GP-1 only)

Signature

Date

AN ACKNOWLEDGED COPY OF THIS GENERAL PERMIT AND THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.

SECTION F. REGISTRATION CHECKLIST

In order to register to use this General Permit, provide the following information to DEP or the delegated County Conservation District:

- ☒ I (we) have notified the Municipality and County by providing a copy of the General Permit Registration.
- ☒ Completed General Permit Registration Form.
- ☒ Completed Cumulative Impact Project Screening Form.
- ☒ Location Map. An 8 1/2" by 11" photocopy of a portion of the U.S.G.S. 7 1/2 Minute Quadrangle Map with the project site marked. Quadrangle Name: WEST GROVE, PA
- ☒ Sketch plan or other site drawing that provides the necessary information.
- ☒ Project cross-section drawing (where required). (General Permits 2, 3, 4, 5, 6, 7, and 8)
- ☒ Color photographs.
- ☐ PA Fish and Boat Commission approval. (General Permit 1 only)

Pennsylvania Natural Diversity Inventory (PNDI) reviews are required for all General Permits, please check the appropriate box indicating the information provided:

- ☐ Completed PNDI Project Planning and Environmental Review Form (if this form is the only information provided, additional review time will be required)
- ☐ Copy of an Initialed PNDI Project Environmental Review Search Receipt showing No Known Impacts.
- ☒ Copy of an Initialed PNDI Project Environmental Review Search Receipt showing Avoidance Measures which have also been Incorporated into the project description.
- ☐ Copy of an Initialed PNDI Project Environmental Review Search Receipt showing Potential Impacts AND documentation of appropriate agency coordination required on PNDI Receipt.

Bog Turtle Habitat screening is required for General Permits 5, 6, 7, 8, and 9 which may impact wetlands in the following counties: Adams, Berks, Bucks, Carbon (Aquashicola Creek Watershed only), Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill (Swatara Creek Watershed only) and York. Please check the appropriate box indicating the information provided:

- ☐ Completed Request for a Bog Turtle Habitat Screening Form (if this form is the only information provided, additional review time will be required)
- ☐ Copy of "No Effect" determination from the Army Corps of Engineers
- ☐ Copy of documented clearance from the US Fish and Wildlife Service.
- ☒ N/A **NO WETLAND IMPACTS PROPOSED.**

For activities which permanently impact wetlands:

- ☒ N/A **NO WETLAND IMPACTS PROPOSED**

- ☐ A wetland delineation with completed data sheets in accordance with the 1987 Corps of Engineers Wetland Delineation Manual and the appropriate Regional Supplements to the Corps of Engineers Wetland Delineation Manual for use in Pennsylvania.
- ☐ If wetland impacts are greater than 0.05 acres, a wetland replacement plan in accordance with the Department's replacement criteria which provides wetland replacement at a one to one acre ratio equaling _____ acres.
- ☐ **If wetland replacement onsite is not feasible:** A check, number _____, in the amount of \$_____ payable to the National Fish and Wildlife Foundation, N.A 1237, as compensatory mitigation for _____ acres of impact in wetlands, in accordance with the Pennsylvania Wetland Replacement Project.

Fee Schedule:

Deminimus impact less than or equal to .05 acre -	\$ 0.00	Greater than .20 acre to .30 acre -	\$2,500.00
Greater than .05 acre to .10 acre -	\$ 500.00	Greater than .30 acre to .40 acre -	\$5,000.00
Greater than .10 acre to .20 acre -	\$1,000.00	Greater than .40 acre to .50 acre -	\$7,500.00

REGISTRATION FORM
 (continued)

LGTMA

Applicant Name

SKETCH PLAN

To ensure the sketch plan is complete, include the following on the site plan in the immediate vicinity of the project.
 (✓ all that apply)

YES	N/A		YES	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stream Name: <u>UNNAMED TRIB EAST BRANCH WHITE CLAY CREEK</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Limits of Earth Disturbance Associated with this Activity
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stream Limits and Flow Direction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Location of Property Lines Relative to the Project
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floodway Limits (if known)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing Buildings, Roadways, Other Structures
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chapter 93 Stream Designation: <u>CWF</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Buildings, Roadways, Other Structures
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waters Impacts with Dimensions Total Length _____ Total sq. ft. _____ # of impacts _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing Utilities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland Impacts Total sq. ft. _____ # of impacts _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Proposed Utilities
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland Acreage Onsite _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other Waters on project site (i.e. pond, lakes)

SEE ATTACHED PLAN

Scale 1" = _____ ft.

1. PROJECT INFORMATION

Project Name: LGTMA-Low Pressure Sewer

Date of review: 10/3/2011 4:08:53 PM

Project Category: Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewer line (new - construction in new location)

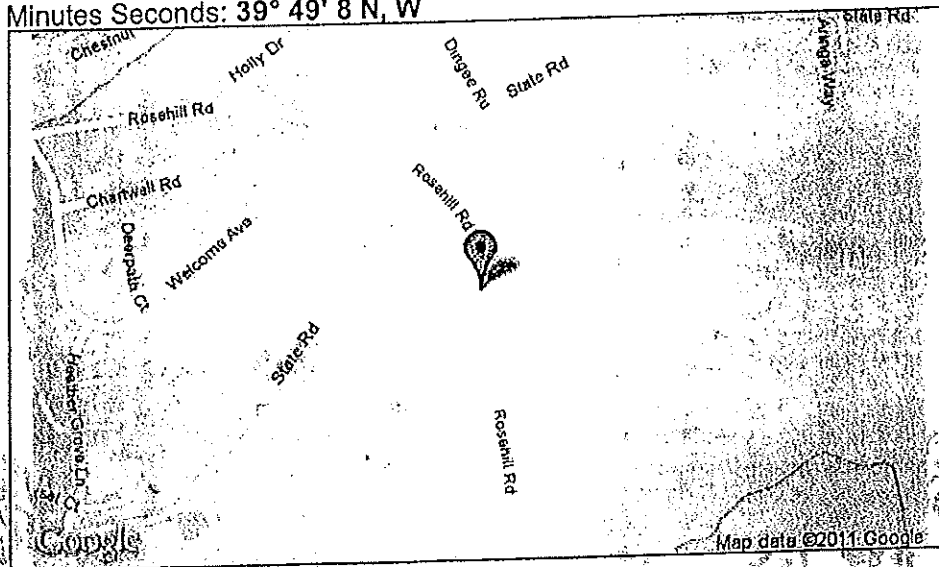
Project Area: N/A

County: Chester Township/Municipality: London Grove

Quadrangle Name: WEST GROVE ~ ZIP Code: 19390

Decimal Degrees: 39.818991 N, -75.810716 W

Degrees Minutes Seconds: 39° 49' 8 N, W



2. SEARCH RESULTS

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

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

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected – either directly or indirectly – by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: 1. The entire project will occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, or railroad bed.

Q2: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: 1. Yes

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

PA Game Commission

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

PA Department of Conservation and Natural Resources

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

PA Fish and Boat Commission

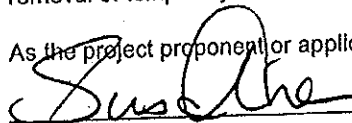
RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

species and resources.

U.S. Fish and Wildlife Service

RESPONSE: Avoidance Measure: Avoid in-stream impacts by spanning the waterway or going under it (e.g., via horizontal boring or directional drilling). If in-stream impacts cannot be avoided, carry out instream work -- including installation of permanent structures (e.g., pipelines, livestock crossings, riprap), or installation, use, and removal of temporary structures (e.g., temporary road crossings) -- between October 1 and March 31.

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

 (Signature)

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

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. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

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
Fax: (717) 772-0271

U.S. Fish and Wildlife Service

Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission

Division of Environmental Services
450 Robinson Lane, Bellefonte, PA 16823-7437
NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

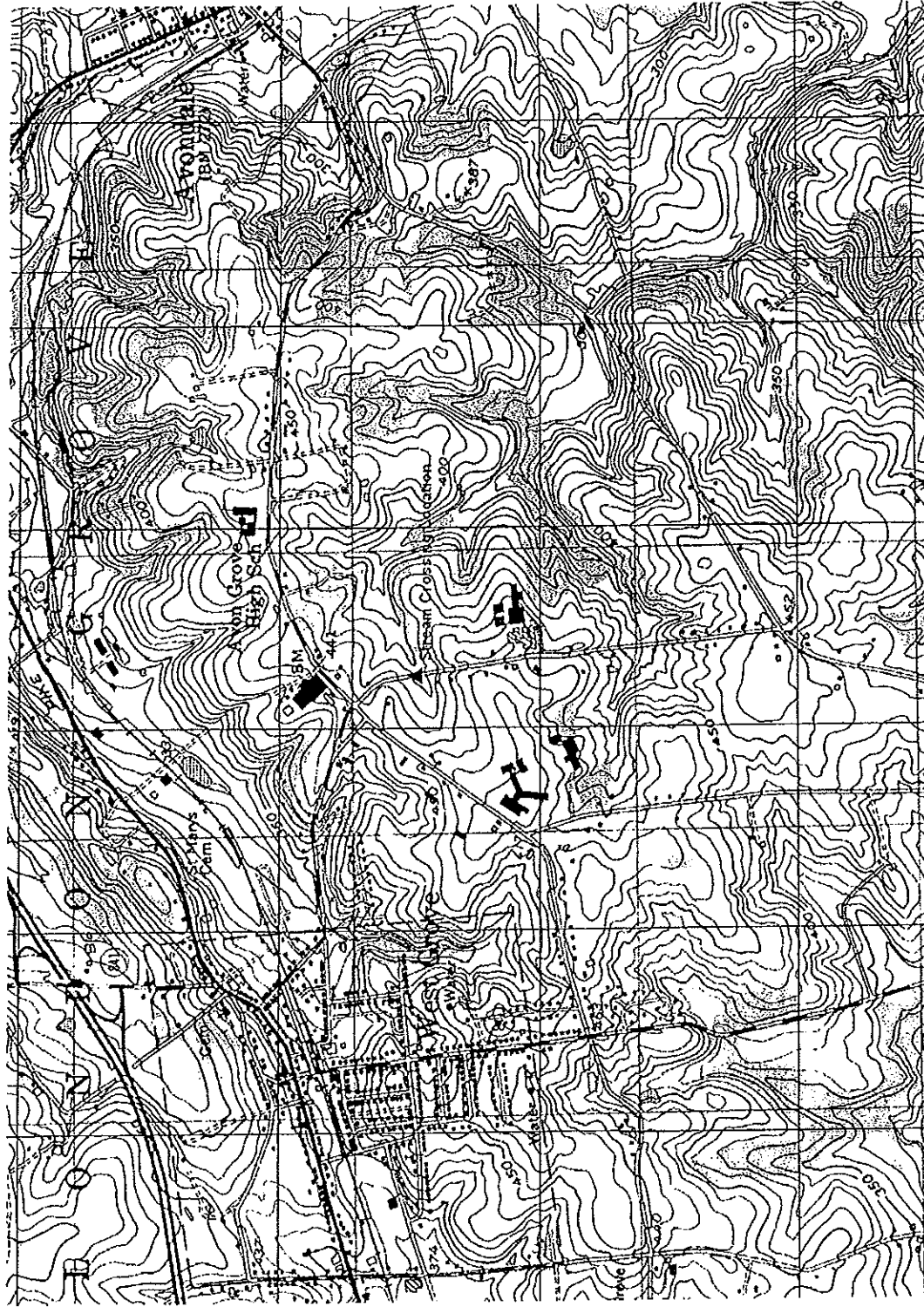
Name: SUSAN AHERN
Company/Business Name: EVANS MILL ENV. LLC
Address: 101 FELLOWSHIP RD P.O. Box 735
City, State, Zip: WUCHLAND PA 19480
Phone: (610) 458-8300 Fax: (610) 458-7168
Email: SAHERN@EME-LLC.COM

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.

Susan Ahern
applicant/project proponent signature

10/2/11
date



EVANS MILL ENVIRONMENTAL, LLC
P.O. Box 735
101 Fellowship Road
Uwchland, PA 19480
(610) 458-8300
(610) 458-7168 FAX

STREAM CROSSING LOCATION

London Grove Township; Chester County, PA

U. S. G. S. QUADRANGLE - WEST GROVE, PA

Scale: Not to scale

Date: Oct. 4, 2011

By: Aml

EME No: 1356-04



**EVANS MILL
ENVIRONMENTAL, LLC**

Environmental Engineers & Consultants

**ROSE HOLLOW SUBDIVISION
London Grove Township, Chester County, PA**

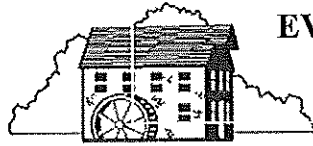
**DEP Code No. 1-15935-311-3
EME Job No. 1356-04**

COMPONENT 3, SECTION F. PROJECT NARRATIVE
(numbering corresponds to A Guidance for Completing Component 3")

1. Rose Hollow Subdivision is a proposed nine (9) lot single family residential project located on the south side of State Road and the east side of Rose Hill Road in London Grove Township, Chester County, PA. The project includes an existing house which will be razed and proposes the construction of nine (9) new dwellings.
2. Wastewater flows for the project were calculated using 225 gallons per day per dwelling unit (gpd/du) for each of the lots. The total daily sewage flows anticipated for this site is calculated to be 2,025 gpd as per the Township's Act 537 Plan.

The total number of equivalent dwelling units (edu's) is estimated based on the total anticipated flow divided by 400 gpd/du. The number of edu's was calculated to be 5.1 edu's.

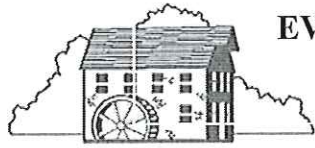
3. Wastewater will be conveyed to the London Grove Township Municipal Authority's Conard Pyle Wastewater Facility (WQM Permit # 1508411). The wastewater will be treated and disposed at the LGTMA's Conard Pyle facility. The wastewater facility has been permitted by PADEP for construction but construction has not yet been initiated at the time of the Planning Module report preparation. The temporary use of holding tanks/pump and haul facilities is proposed as part of this planning submission in the event the construction of the Municipal system is not completed at the time anticipated occupancy of the proposed homes in Rose Hollow subdivision. An Installation, Operation, and Maintenance Agreement (draft) for such temporary use is included in Section F of this report.
4. For this application the domestic wastewater flow of 2,025 gpd was calculated based upon 225 gallons per day per dwelling unit, as requested by the Township engineer and consistent with the Township's Act 537 plan.
5. The wastewater treatment and disposal will be the LGTMA's Conard Pyle wastewater treatment and spray irrigation facility located south of the Rose Hollow project.
6. The total tract size of the subdivision is 12.212 acres.
7. There are no surrounding parcels of ground under the same ownership. The project site is located in a residential/agricultural land use area. The surrounding area of the project site is served by individual onlot sewage disposal systems.



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8. No PADEP Act 537 planning approvals have previously been completed for the project site.



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**ROSE HOLLOW SUBDIVISION
New London Township, Chester County, PA**

DEP Code No. 1-15935-311-3

EME Job No. 1356-04

COMPONENT 3, SECTION H. ALTERNATIVE ANALYSIS

(numbering corresponds to A Guidance for Completing Component 3")

1. The chosen method of wastewater treatment and disposal for the proposed Rose Hollow Subdivision is the LGTMA's Conard Pyle facility. The total number of EDU's calculated for the proposed subdivision is based on the annual average sewage flow for each house divided by the number of gallons in an EDU. Based upon the 2,025 gpd flow and the PADEP standard of 400 gpd/edu, 5.1 edu's are proposed.
2. The predominant land uses surrounding the site are single-family residential properties and agricultural land use. The property south of the project site is the LGTMA's Conard Pyle Treatment facility site. Individual, on-lot sewage disposal systems serve the sewage disposal needs for the residences surrounding the proposed subdivision.
3. There are no known widespread sewage disposal malfunctions adjacent to the proposed development. There is no current need to improve the existing subsurface sewage disposal facilities which surround this proposed development.
4. The London Grove Township Act 537 Plan indicates the use of Municipal sewage disposal.
5. The LGTMA's Conard Pyle Wastewater facility is by definition a public sewerage system. The Rose Hollow wastewater collection and conveyance components will be conveyed to the LGTMA after construction. The individual properties owners will be responsible for maintaining their respective laterals in accordance with LGTMA standards, and in accordance with the Grinder Pump agreement, a draft of which is included in Appendix F. The agreement will be finalized and executed as part of the Part 2 permit submission to PADEP.
6. The use of individual onlot sewage disposal systems to serve each of the lots was originally considered for the project. Due to the small lot sizes and the marginal suitability of soils in the lower topographic areas of the site, the use of individual onlot systems was not considered to be the most environmentally preferred alternative for the project site. Similarly, the use of community land-based alternatives was also considered. Given the relatively small size of the project site and the proposed municipal land-based system on the adjacent property, the use of a small community system was not considered to be the most environmentally or administratively preferred option. The LGTMA's Conard Pyle treatment facility is to be located on properties south of the subject site and conveyance lines are proposed along Rose Hill Road along our project site. Connection to this Municipal facility, which will utilize aerated lagoons and spray irrigation, is considered to be the most environmentally and administratively preferred alternative to serve the project site.



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7. Discussed in comment #6 above.
8. The LGTMA will be the owner of the treatment and disposal facility, and will be responsible for operation and maintenance of the facility and ultimately compliance with applicable water quality standards and effluent limitations.