

Concentrated storm water runoff from BMPs to natural wetlands shall be converted to diffuse flow before the runoff enters the wetlands. The flow should be released such that no erosion occurs downslope. Level spreaders may need to be placed in series, particularly on steep sloped sites, to ensure non-erosive velocities. Other structural BMPs may be used between storm water features and natural wetlands, in order to protect the natural hydrology, hydroperiod, and wetland flora. If the applicant proposes to discharge to natural wetlands, a hydrologic analysis shall be performed. The applicant shall attempt to match the pre-development hydroperiods and hydrodynamics that support the wetland. The applicant shall assess whether their construction activity will adversely impact the hydrologic flora and fauna of the wetland. Practices such as vegetative buffers, infiltration basins, conservation of forest cover, and the preservation of intermittent streams, depressions, and drainage corridors may be used to maintain wetland hydrology.

g. Other controls.

- i. **Non-Sediment Pollutant Controls.** In accordance with Part II.E, no solid (other than sediment) or liquid waste, including building materials, shall be discharged in storm water runoff. The permittee must implement all necessary BMPs to prevent the discharge of non-sediment pollutants to the drainage system of the site or surface waters of the state or an MS4. Under no circumstance shall wastewater from the washout of concrete trucks, stucco, paint, form release oils, curing compounds, and other construction materials be discharged directly into a drainage channel, storm sewer or surface waters of the state. Also, no pollutants from vehicle fuel, oils, or other vehicle fluids can be discharged to surface waters of the state. No exposure of storm water to waste materials is recommended. The SWP3 must include methods to minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, and sanitary waste to precipitation, storm water runoff, and snow melt. In accordance with Part II.D.3, the SWP3 shall include measures to prevent and respond to chemical spills and leaks. You may also reference the existence of other plans (i.e., Spill Prevention Control and Countermeasure (SPCC) plans, spill control programs, Safety Response Plans, etc.) provided that such plan addresses conditions of this permit condition and a copy of such plan is maintained on site.
- ii. **Off-site traffic.** Off-site vehicle tracking of sediments and dust generation shall be minimized. In accordance with Part II.D.1, the SWP3 shall include methods to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. No detergents may be used to wash vehicles. Wash waters shall be treated in a sediment basin or alternative control that provides equivalent treatment prior to discharge.
- iii. **Compliance with other requirements.** The SWP3 shall be consistent with applicable State and/or local waste disposal, sanitary sewer or septic system regulations, including provisions prohibiting waste disposal by

open burning and shall provide for the proper disposal of contaminated soils to the extent these are located within the permitted area.

- iv. **Trench and ground water control.** In accordance with Part II.C, there shall be no turbid discharges to surface waters of the state resulting from dewatering activities. If trench or ground water contains sediment, it shall pass through a sediment settling pond or other equally effective sediment control device, prior to being discharged from the construction site. Alternatively, sediment may be removed by settling in place or by dewatering into a sump pit, filter bag or comparable practice. Ground water which does not contain sediment or other pollutants is not required to be treated prior to discharge. However, care must be taken when discharging ground water to ensure that it does not become pollutant-laden by traversing over disturbed soils or other pollutant sources.
- v. **Contaminated Sediment.** Where construction activities are to occur on sites with contamination from previous activities, operators shall be aware that concentrations of materials that meet other criteria (is not considered a Hazardous Waste, meeting VAP standards, etc.) may still result in storm water discharges in excess of Ohio Water Quality Standards. Such discharges are not authorized by this permit. Appropriate BMPs include, but are not limited to:
- The use of berms, trenches, and pits to collect contaminated runoff and prevent discharges;
 - Pumping runoff into a sanitary sewer (with prior approval of the sanitary sewer operator) or into a container for transport to an appropriate treatment/disposal facility; and
 - Covering areas of contamination with tarps or other methods that prevent storm water from coming into contact with the material.

Operators should consult with Ohio EPA Division of Surface Water prior to seeking permit coverage.

- h. Maintenance. All temporary and permanent control practices shall be maintained and repaired as needed to ensure continued performance of their intended function. All sediment control practices must be maintained in a functional condition until all up-slope areas they control are permanently stabilized. The SWP3 shall be designed to minimize maintenance requirements. The applicant shall provide a description of maintenance procedures needed to ensure the continued performance of control practices.
- i. Inspections. The permittee shall assign "qualified inspection personnel" to conduct inspections to ensure that the control practices are functional and to evaluate whether the SWP3 is adequate and properly implemented in accordance with the schedule proposed in Part III.G.1.g of this permit or whether additional control measures are required. At a minimum, procedures in a SWP3 shall provide that all controls on the site are inspected:

- after any storm event greater than one-half inch of rain per 24-hour period by the end of the next calendar day, excluding weekends and holidays unless work is scheduled; and
- once every seven calendar days.

The inspection frequency may be reduced to at least once every month for dormant sites if:

- the entire site is temporarily stabilized or
- runoff is unlikely due to weather conditions for extended periods of time (e.g., site is covered with snow, ice, or the ground is frozen).

The beginning and ending dates of any reduced inspection frequency shall be documented in the SWP3.

Once a definable area has achieved final stabilization, the area may be marked on the SWP3 and no further inspection requirements shall apply to that portion of the site.

Following each inspection, a checklist must be completed and signed by the qualified inspection personnel representative. At a minimum, the inspection report shall include:

- i. the inspection date;
- ii. names, titles, and qualifications of personnel making the inspection;
- iii. weather information for the period since the last inspection (or since commencement of construction activity if the first inspection) including a best estimate of the beginning of each storm event, duration of each storm event, approximate amount of rainfall for each storm event (in inches), and whether any discharges occurred;
- iv. weather information and a description of any discharges occurring at the time of the inspection;
- v. location(s) of discharges of sediment or other pollutants from the site;
- vi. location(s) of BMPs that need to be maintained;
- vii. location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
- viii. location(s) where additional BMPs are needed that did not exist at the time of inspection; and
- ix. corrective action required including any changes to the SWP3 necessary and implementation dates.

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of or the potential for pollutants entering the drainage system. Erosion and sediment control measures identified in the SWP3 shall be observed to ensure that those are operating correctly. Discharge locations shall be inspected to ascertain whether erosion and sediment control measures are effective in preventing significant impacts to the receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site vehicle tracking.

The permittee shall maintain for three years following the submittal of a notice of termination form, a record summarizing the results of the inspection, names(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWP3 and a certification as to whether the facility is in compliance with the SWP3 and the permit and identify any incidents of non-compliance. The record and certification shall be signed in accordance with Part V.G. of this permit.

- i. **When practices require repair or maintenance.** If the inspection reveals that a control practice is in need of repair or maintenance, with the exception of a sediment settling pond, it shall be repaired or maintained within 3 days of the inspection. Sediment settling ponds shall be repaired or maintained within 10 days of the inspection.
 - ii. **When practices fail to provide their intended function.** If the inspection reveals that a control practice fails to perform its intended function and that another, more appropriate control practice is required, the SWP3 shall be amended and the new control practice shall be installed within 10 days of the inspection.
 - iii. **When practices depicted on the SWP3 are not installed.** If the inspection reveals that a control practice has not been implemented in accordance with the schedule contained in Part III.G.1.h of this permit, the control practice shall be implemented within 10 days from the date of the inspection. If the inspection reveals that the planned control practice is not needed, the record shall contain a statement of explanation as to why the control practice is not needed.
3. Approved State or local plans. All dischargers regulated under this general permit must comply, except those exempted under state law, with the lawful requirements of municipalities, counties and other local agencies regarding discharges of storm water from construction activities. All erosion and sediment control plans and storm water management plans approved by local officials shall be retained with the SWP3 prepared in accordance with this permit. Applicable requirements for erosion and sediment control and storm water management approved by local officials are, upon submittal of a NOI form, incorporated by reference and enforceable under this permit even if they are not specifically included in an SWP3 required under this permit. When the project is located within the jurisdiction of a regulated municipal separate storm sewer system (MS4), the permittee shall certify that the SWP3 complies with the requirements of the storm water management program of the MS4 operator.
4. Exceptions. If specific site conditions prohibit the implementation of any of the erosion and sediment control practices contained in this permit or site-specific conditions are such that implementation of any erosion and sediment control practices contained in this permit will result in no environmental benefit, then the permittee shall provide justification for rejecting each practice based on site conditions. Exceptions from implementing the erosion and sediment control standards contained in this permit will be approved or denied on a case-by-case basis.

The permittee may request approval from Ohio EPA to use alternative methods to satisfy conditions in this permit if the permittee can demonstrate that the alternative methods are sufficient to protect the overall integrity of receiving streams and the watershed. Alternative methods will be approved or denied on a case-by-case basis.

PART IV. NOTICE OF TERMINATION REQUIREMENTS

A. Failure to notify.

The terms and conditions of this permit shall remain in effect until a signed Notice of Termination (NOT) form is submitted. Failure to submit an NOT constitutes a violation of this permit and may affect the ability of the permittee to obtain general permit coverage in the future.

B. When to submit an NOT.

1. Permittees wishing to terminate coverage under this permit shall submit an NOT form in accordance with Part V.G. of this permit. Compliance with this permit is required until an NOT form is submitted. The permittee's authorization to discharge under this permit terminates at midnight of the day the NOT form is submitted. Prior to submitting the NOT form, the permittee shall conduct a site inspection in accordance with Part III.G.2.i of this permit and have a maintenance plan in place to ensure all post-construction BMPs will be maintained in perpetuity.
2. All permittees shall submit an NOT form within 45 days of completing all permit requirements. Enforcement actions may be taken if a permittee submits an NOT form without meeting one or more of the following conditions:
 - a. Final stabilization (see definition in Part VII) has been achieved on all portions of the site for which the permittee is responsible (including, if applicable, returning agricultural land to its pre-construction agricultural use);
 - b. Another operator(s) has assumed control over all areas of the site that have not been finally stabilized;
 - c. A maintenance plan is in place to ensure all post construction BMPs are adequately maintained in the long-term;
 - d. For non-residential developments, all elements of the storm water pollution prevention plan have been completed, the disturbed soil at the identified facility have been stabilized and temporary erosion and sediment control measures have been removed at the appropriate time, or all storm water discharges associated with construction activity from the identified facility that are authorized by the above referenced NPDES general permit have otherwise been eliminated. (i) For residential developments only, temporary stabilization has been completed and the lot, which includes a home, has been transferred to the homeowner; (ii) final stabilization has been completed and the lot, which does not include a home, has been transferred to the property owner; (iii) no stabilization has been implemented on a lot, which includes a home, and the lot has been transferred to the homeowner; or

- e. An exception has been granted under Part III.G.4.

C. How to submit an NOT.

To terminate permit coverage, the permittee shall submit a complete and accurate Notice of Termination (NOT) form using Ohio EPA's electronic application form which is available through the Ohio EPA eBusiness Center at: <https://ebiz.epa.ohio.gov/>. Submission through the Ohio EPA eBusiness Center will require establishing an Ohio EPA eBusiness Center account and obtaining a unique Personal Identification Number (PIN) for final submission of the NOT. Existing eBusiness Center account holders can access the NOT form through their existing account and submit using their existing PIN. Please see the following link for guidance: <http://epa.ohio.gov/dsw/ebs.aspx#170669803-streams-guidance>. Alternatively, if you are unable to access the NOT form through the agency eBusiness Center due to a demonstrated hardship, the NOT may be submitted on paper NOT forms provided by Ohio EPA. NOT information shall be typed on the form. Please contact Ohio EPA, Division of Surface Water at (614) 644-2001 if you wish to receive a paper NOT form.

PART V. STANDARD PERMIT CONDITIONS.

A. Duty to comply.

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of ORC Chapter 6111 and is grounds for enforcement action.

Ohio law imposes penalties and fines for persons who knowingly make false statements or knowingly swear or affirm the truth of a false statement previously made.

B. Continuation of an expired general permit.

An expired general permit continues in force and effect until a new general permit is issued.

C. Need to halt or reduce activity not a defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. Duty to mitigate.

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Duty to provide information.

The permittee shall furnish to the director, within 10 days of written request, any information which the director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee

shall also furnish to the director upon request copies of records required to be kept by this permit.

F. Other information.

When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the NOI, SWP3, NOT or in any other report to the director, he or she shall promptly submit such facts or information.

G. Signatory requirements.

All NOIs, NOTs, SWP3s, reports, certifications or information either submitted to the director or that this permit requires to be maintained by the permittee, shall be signed.

1. These items shall be signed as follows:
 - a. For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - i. A president, secretary, treasurer or vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or decision-making functions for the corporation; or
 - ii. The manager of one or more manufacturing, production or operating facilities, provided, the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of U.S. EPA).
2. All reports required by the permits and other information requested by the director shall be signed by a person described in Part V.G.1 of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- a. The authorization is made in writing by a person described in Part V.G.1 of this permit and submitted to the director;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator of a well or well field, superintendent, position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
 - c. The written authorization is submitted to the director.
3. Changes to authorization. If an authorization under Part V.G.2 of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part V.G.2 of this permit must be submitted to the director prior to or together with any reports, information or applications to be signed by an authorized representative.

H. Certification.

Any person signing documents under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

I. Oil and hazardous substance liability.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under section 311 of the CWA or 40 CFR Part 112. 40 CFR Part 112 establishes procedures, methods and equipment and other requirements for equipment to prevent the discharge of oil from non-transportation-related onshore and offshore facilities into or upon the navigable surface waters of the state or adjoining shorelines.

J. Property rights.

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

K. Severability.

The provisions of this permit are severable and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

L. Transfers.

Ohio NPDES general permit coverage is transferable. Ohio EPA must be notified in writing sixty days prior to any proposed transfer of coverage under an Ohio NPDES general permit. The transferee must inform Ohio EPA it will assume the responsibilities of the original permittee transferor.

M. Environmental laws.

No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

N. Proper operation and maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of SWP3s. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

O. Inspection and entry.

The permittee shall allow the director or an authorized representative of Ohio EPA, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment); and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

P. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

Q. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

R. Bypass

The provisions of 40 CFR Section 122.41(m), relating to "Bypass," are specifically incorporated herein by reference in their entirety. For definition of "Bypass," see Part VII.C.

S. Upset

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "Upset," see Part VII.GG.

T. Monitoring and Records

The provisions of 40 CFR Section 122.41(j), relating to "Monitoring and Records," are specifically incorporated herein by reference in their entirety.

U. Reporting Requirements

The provisions of 40 CFR Section 122.41(l), relating to "Reporting Requirements," are specifically incorporated herein by reference in their entirety.

PART VI. REOPENER CLAUSE

If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with construction activity covered by this permit, the permittee of such discharge may be required to obtain coverage under an individual permit or an alternative general permit in accordance with Part I.C of this permit or the permit may be modified to include different limitations and/or requirements.

Permit modification or revocation will be conducted according to ORC Chapter 6111.

PART VII. DEFINITIONS

- A. "Act" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483, Pub. L. 97-117 and Pub. L. 100-4, 33 U.S.C. 1251 et. seq.
- B. "Bankfull channel" means a channel flowing at channel capacity and conveying the bankfull discharge. Delineated by the highest water level that has been maintained for a sufficient period of time to leave evidence on the landscape, such as the point where the natural vegetation changes from predominantly aquatic to predominantly terrestrial or

the point at which the clearly scoured substrate of the stream ends and terrestrial vegetation begins.

- C. "Bankfull discharge" means the streamflow that fills the main channel and just begins to spill onto the floodplain; it is the discharge most effective at moving sediment and forming the channel.
- D. "Best management practices (BMPs)" means schedules of activities, prohibitions of practices, maintenance procedures and other management practices (both structural and non-structural) to prevent or reduce the pollution of surface waters of the state. BMP's also include treatment requirements, operating procedures and practices to control plant and/or construction site runoff, spillage or leaks, sludge or waste disposal or drainage from raw material storage.
- E. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
- F. "Channelized stream" means the definition set forth in Section 6111.01 (M) of the ORC.
- G. "Commencement of construction" means the initial disturbance of soils associated with clearing, grubbing, grading, placement of fill, or excavating activities or other construction activities.
- H. "Concentrated storm water runoff" means any storm water runoff which flows through a drainage pipe, ditch, diversion or other discrete conveyance channel.
- I. "Director" means the director of the Ohio Environmental Protection Agency.
- J. "Discharge" means the addition of any pollutant to the surface waters of the state from a point source.
- K. "Disturbance" means any clearing, grading, excavating, filling, or other alteration of land surface where natural or man-made cover is destroyed in a manner that exposes the underlying soils.
- L. "Drainage watershed" means for purposes of this permit the total contributing drainage area to a BMP, i.e., the "watershed" directed to the practice. This would also include any off-site drainage.
- M. "Final stabilization" means that either:
 - 1. All soil disturbing activities at the site are complete and a uniform perennial vegetative cover (e.g., evenly distributed, without large bare areas) with a density of at least 70 percent cover for the area has been established on all unpaved areas and areas not covered by permanent structures or equivalent stabilization measures (such as the use of mulches, rip-rap, gabions or geotextiles) have been employed. In addition, all temporary erosion and sediment control practices are removed and disposed of and all trapped sediment is permanently stabilized to prevent further erosion; or

2. For individual lots in residential construction by either:
 - a. The homebuilder completing final stabilization as specified above or
 - b. The homebuilder establishing temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for and benefits of, final stabilization. (Homeowners typically have an incentive to put in the landscaping functionally equivalent to final stabilization as quick as possible to keep mud out of their homes and off sidewalks and driveways.); or
 3. For construction projects on land used for agricultural purposes (e.g., pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its pre-construction agricultural use. Areas disturbed that were previously used for agricultural activities, such as buffer strips immediately adjacent to surface waters of the state and which are not being returned to their pre-construction agricultural use, must meet the final stabilization criteria in (1) or (2) above.
- N. "General contractor" – for the purposes of this permit, the primary individual or company solely accountable to perform a contract. The general contractor typically supervises activities, coordinates the use of subcontractors, and is authorized to direct workers at a site to carry out activities required by the permit.
- O. "Individual Lot NOI" means a Notice of Intent for an individual lot to be covered by this permit (see Part I of this permit).
- P. "Larger common plan of development or sale"- means a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under one plan.
- Q. "MS4" means municipal separate storm sewer system which means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) that are:
1. Owned or operated by the federal government, state, municipality, township, county, district(s) or other public body (created by or pursuant to state or federal law) including special district under state law such as a sewer district, flood control district or drainage districts or similar entity or a designated and approved management agency under section 208 of the act that discharges into surface waters of the state; and
 2. Designed or used for collecting or conveying solely storm water,
 3. Which is not a combined sewer and
 4. Which is not a part of a publicly owned treatment works.
- R. "National Pollutant Discharge Elimination System (NPDES)" means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits and enforcing pretreatment requirements, under sections 307, 402, 318 and 405 of the CWA. The term includes an "approved program."

- S. "Natural channel design" means an engineering technique that uses knowledge of the natural process of a stream to create a stable stream that will maintain its form and function over time.
- T. "NOI" means notice of intent to be covered by this permit.
- U. "NOT" means notice of termination.
- V. "Operator" means any party associated with a construction project that meets either of the following two criteria:
1. The party has day-to-day operational control all activities at a project which are necessary to ensure compliance with a SWP3 for the site and all permit conditions including the ability to authorize modifications to the SWP3, construction plans and site specification to ensure compliance with the General Permit, or
 2. Property owner meets the definition of operator should the party which has day to day operational control require additional authorization from the owner for modifications to the SWP3, construction plans, and/or site specification to ensure compliance with the permit or refuses to accept all responsibilities as listed above (Part VII.V.1).
- Subcontractors generally are not considered operators for the purposes of this permit. As set forth in Part I.F.1, there can be more than one operator at a site and under these circumstances, the operators shall be co-permittees.
- W. "Ordinary high water mark" means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.
- X. "Owner or operator" means the owner or operator of any "facility or activity" subject to regulation under the NPDES program.
- Y. "Permanent stabilization" means the establishment of permanent vegetation, decorative landscape mulching, matting, sod, rip rap and landscaping techniques to provide permanent erosion control on areas where construction operations are complete or where no further disturbance is expected for at least one year.
- Z. "Percent imperviousness" means the impervious area created divided by the total area of the project site.
- AA. "Point source" means any discernible, confined and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or the floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

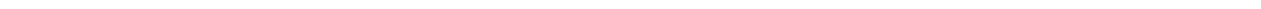
- BB. "Qualified inspection personnel" means a person knowledgeable in the principles and practice of erosion and sediment controls, who possesses the skills to assess all conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activity.
- CC. "Rainwater and Land Development" is a manual describing construction and post-construction best management practices and associated specifications. A copy of the manual may be obtained by contacting the Ohio Department of Natural Resources, Division of Soil & Water Conservation.
- DD. "Riparian area" means the transition area between flowing water and terrestrial (land) ecosystems composed of trees, shrubs and surrounding vegetation which serve to stabilize erodible soil, improve both surface and ground water quality, increase stream shading and enhance wildlife habitat.
- EE. "Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.
- FF. "Sediment settling pond" means a sediment trap, sediment basin or permanent basin that has been temporarily modified for sediment control, as described in the latest edition of the Rainwater and Land Development manual.
- GG. "State isolated wetland permit requirements" means the requirements set forth in Sections 6111.02 through 6111.029 of the ORC.
- HH. "Storm water" means storm water runoff, snow melt and surface runoff and drainage.
- II. "Steep slopes" means slopes that are 15 percent or greater in grade. Where a local government or industry technical manual has defined what is to be considered a "steep slope," this permit's definition automatically adopts that definition.
- JJ. "Stream edge" means the ordinary high water mark.
- KK. "Subcontractor" – for the purposes of this permit, an individual or company that takes a portion of a contract from the general contractor or from another subcontractor.
- LL. "Surface waters of the state" or "water bodies" means all streams, lakes, reservoirs, ponds, marshes, wetlands or other waterways which are situated wholly or partially within the boundaries of the state, except those private waters which do not combine or effect a junction with natural surface or underground waters. Waters defined as sewerage systems, treatment works or disposal systems in Section 6111.01 of the ORC are not included.
- MM. "SWP3" means storm water pollution prevention plan.
- NN. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment

facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

- OO. “Temporary stabilization” means the establishment of temporary vegetation, mulching, geotextiles, sod, preservation of existing vegetation and other techniques capable of quickly establishing cover over disturbed areas to provide erosion control between construction operations.
- PP. “Water Quality Volume (WQ_v)” means the volume of storm water runoff which must be captured and treated prior to discharge from the developed site after construction is complete.

APPENDIX 2

Project Location Map, Soil Erosion and Sediment Control Plan and Details,
USDA Soils Map, and Watershed (HUC-12) Map





Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648

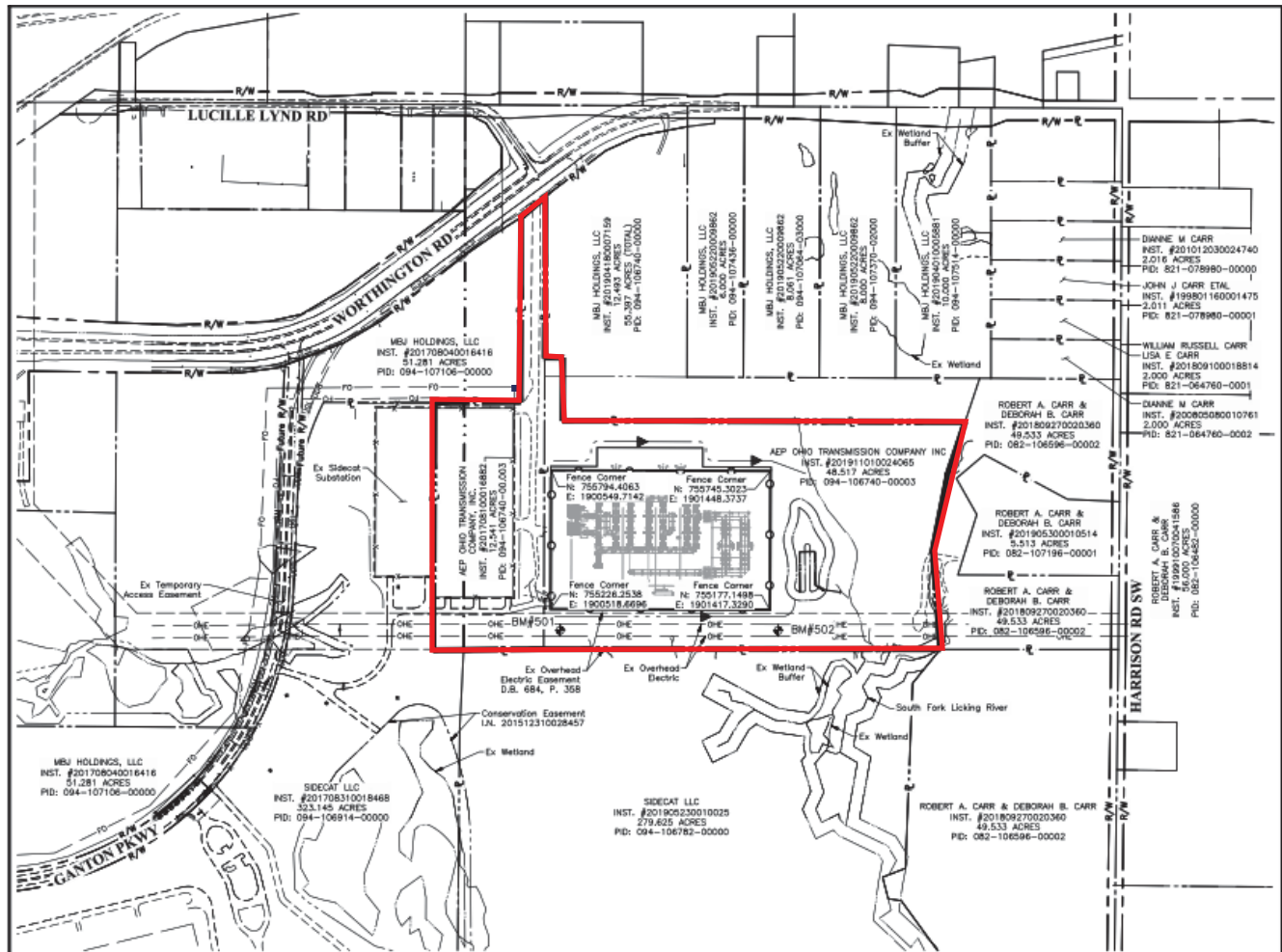
emht.com

CITY OF NEW ALBANY, LICKING COUNTY, OHIO
AEP BABBITT STATION
13415 WORTHINGTON ROAD
PROJECT LOCATION MAP

DATE: January 2020

JOB NO. 2019-1252

SCALE: None



Area of Disturbance = 23.34 Acres

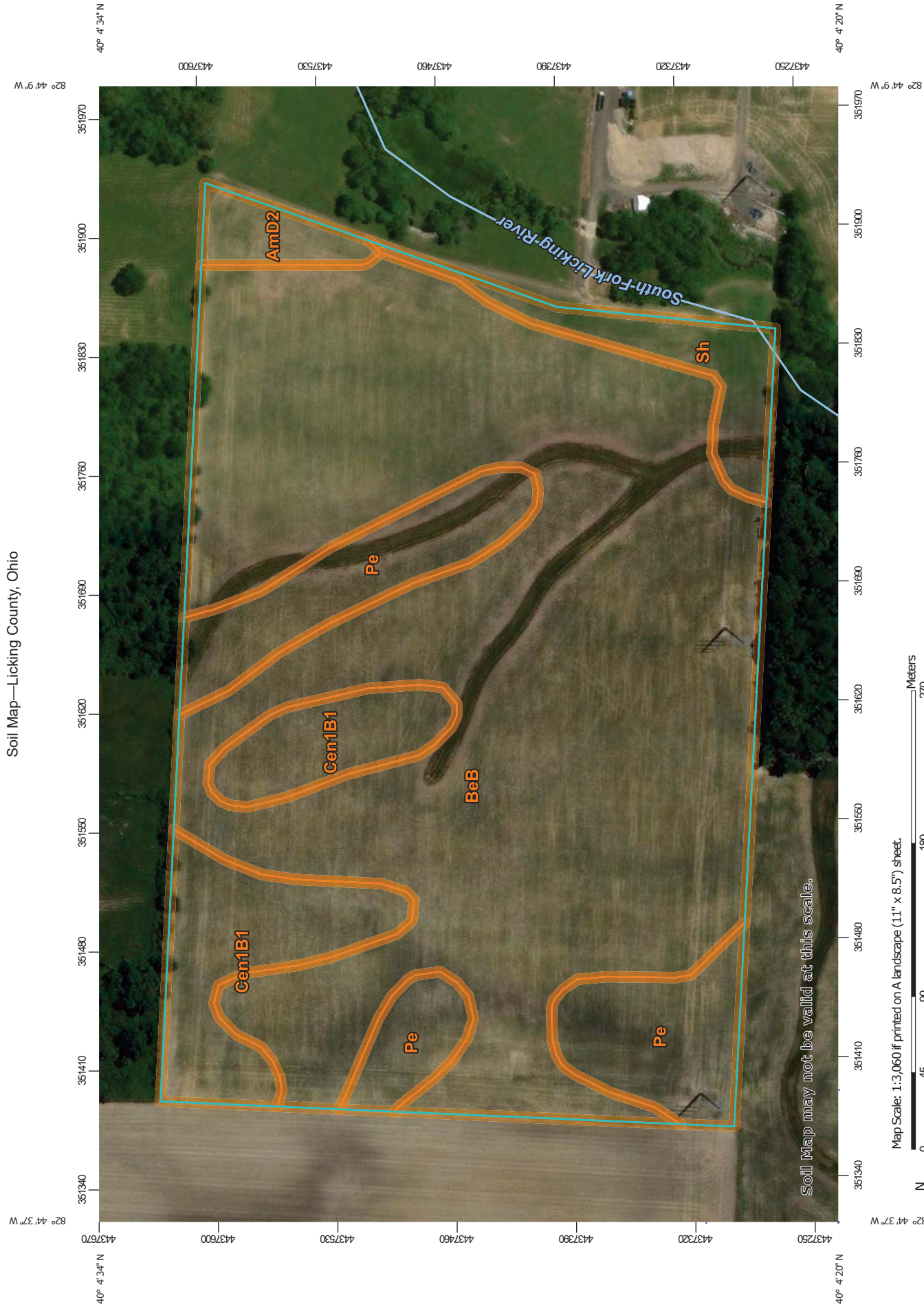
Facility Contact: Drew Glover
614-286-4667
drglover@aep.com



361 KAT 3847

STORMWATER POLLUTION PREVENTION PLAN - PHASE 2

Soil Map—Licking County, Ohio



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Licking County, Ohio
Survey Area Data: Version 17, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 31, 2010—Aug 27, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AmD2	Amanda silt loam, 12 to 18 percent slopes, eroded	0.8	1.9%
BeB	Bennington silt loam, 2 to 6 percent slopes	29.5	71.0%
Cen1B1	Centerburg silt loam, 2 to 6 percent slopes	4.3	10.5%
Pe	Pewamo silty clay loam, low carbonate till, 0 to 2 percent slopes	5.4	13.0%
Sh	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded	1.6	3.7%
Totals for Area of Interest		41.5	100.0%



Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648

emht.com

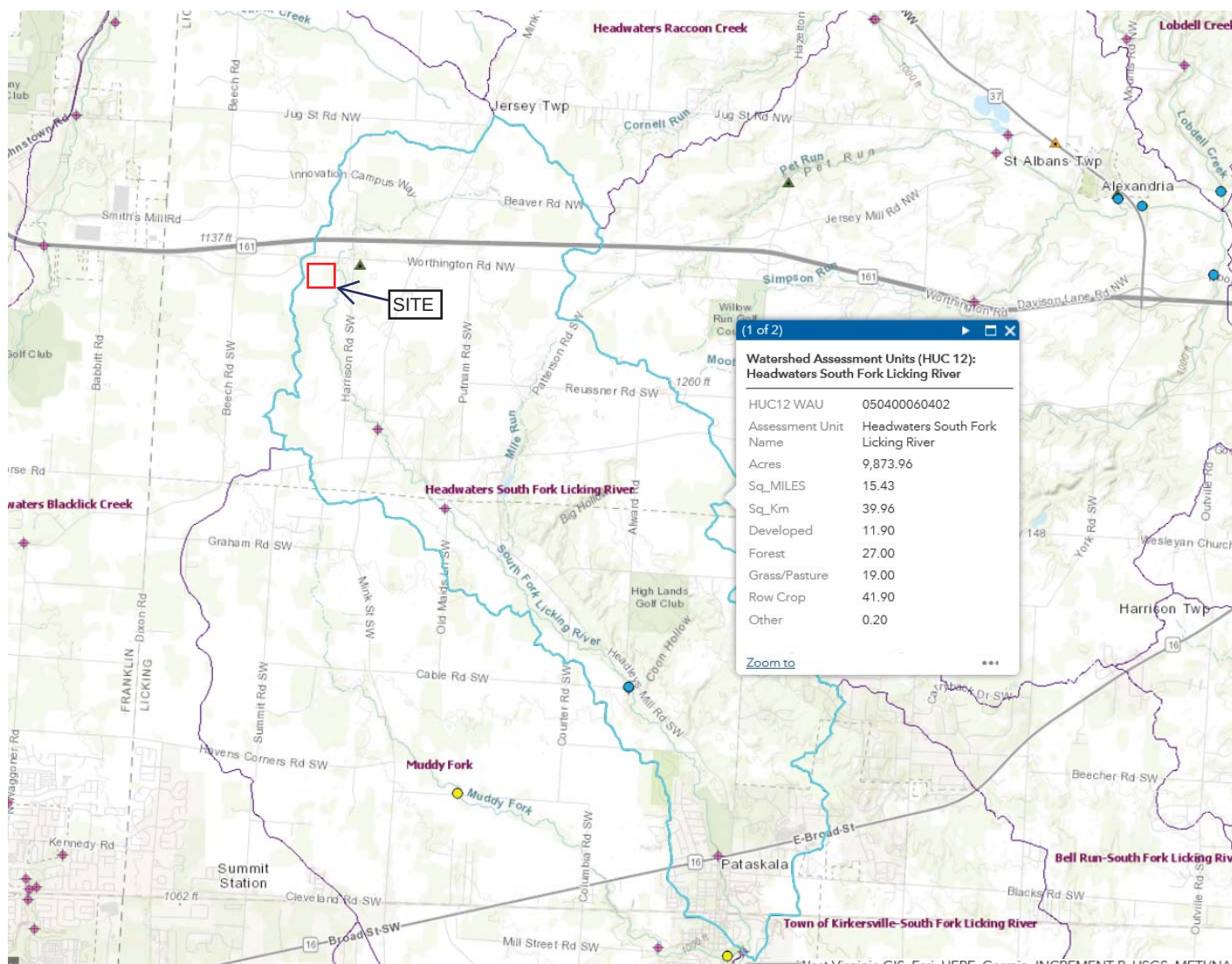
CITY OF NEW ALBANY, LICKING COUNTY, OHIO

AEP BABBITT STATION WATERSHED (HUC-12) MAP

DATE: DECEMBER 2019

JOB NO. 2019-1252

SCALE: None



APPENDIX 3

SWP3 Inspection Forms and SWP3 Amendments, Grading, and
Stabilization Log

AEP OHIO TRANSMISSION COMPANY, INC.
BABBITT STATION EXPANSION PROJECT
STORM WATER POLLUTION PREVENTION PLAN (SWP3) INSPECTION FORM

Date: _____ Inspector's Name/Title: _____

Inspector's Company: _____

Inspector Qualified in accordance with Part VII.BB of Permit: ☐ Yes ☐ No (Document Qualifications in Appendix 3 of SWP3)

Inspection Type: ☐ Weekly (once every seven calendar days)

☐ Storm Event (0.5 inch or greater) Date: _____ Amount: _____ Duration: _____

Rain Event(s) Since Last Inspection:

Date: _____ Amount: _____ Duration: _____	Date: _____ Amount: _____ Duration: _____
Date: _____ Amount: _____ Duration: _____	Date: _____ Amount: _____ Duration: _____

Did any discharges occur during these events? ☐ No ☐ Yes, Location: _____

Current Weather: ☐ Clear ☐ Cloudy ☐ Fog ☐ Rain ☐ Snow ☐ Sleet ☐ High Winds ☐ Other: _____ Temp: _____

Current Discharges: ☐ No ☐ Yes, Location: _____

Evidence of Sediment/Pollutants Leaving the Site? ☐ No ☐ Yes, Location: _____

Has Seeding Taken Place? ☐ No ☐ Yes, Location/Seed tag photo included: _____

Erosion and Sediment Control Features / BMPs Inspected:

☐ Filter Sock (Mark which one applies)

Location(s) (Structure # (STR#)): _____

Properly anchored/installed: ☐ Yes ☐ No

Repairs Needed: ☐ Yes ☐ No

Sediment Removal Required (Sediment one-half height for fence & one-third height for sock): ☐ Yes ☐ No

Action Required/Taken/Location(s): _____

☐ Orange Barrier Fence

Location(s) (Wetland / Access Road / STR#): _____

Properly anchored/installed: ☐ Yes ☐ No

Repairs Needed: ☐ Yes ☐ No

Action Required/Taken/Location(s): _____

☐ Construction Entrance

Location(s) (Reference intersection of road and nearest STR#): _____

Entrance Stabilized: ☐ Yes ☐ No Evidence of mud tracked on roadway: ☐ Yes ☐ No

Action Required/Taken/Location(s): _____

☐ Material Storage Areas (Including waste containers, fuel areas)

Material Storage Areas located on site and shown on the SWP3: ☐ Yes ☐ No

Materials properly contained and labeled: ☐ Yes ☐ No

Evidence of spills or releases: ☐ Yes ☐ No

Action Required/Taken/Location(s): _____

☐ Concrete Washouts

Location(s) (Access Road / STR#): _____

Properly installed and located at least 50 feet from wetlands/streams/ditches/storm drains: ☐ Yes ☐ No

Replacement needed (concrete reaches 50 percent of the system): ☐ Yes ☐ No

Action Required/Taken/Location(s): _____

☐ Sediment Basin

Location(s): _____

Skimmer and Outlet Structure Installed/Functioning: ☐ Yes ☐ No

Accumulated Sediment Needs Removed: ☐ Yes ☐ No

Action Required/Taken/Location(s): _____

Comments / Additional Control Measures Recommended: _____

If BMP modifications are made, you must update the SWP3 drawings and document changes on the SWP3 amendment log.

Inspector's Signature: _____

Date: _____

AEP OHIO TRANSMISSION COMPANY, INC.
BABBITT STATION EXPANSION PROJECT

STORM WATER POLLUTION PREVENTION PLAN
AMENDMENTS, GRADING, AND STABILIZATION LOG

Date: _____ Inspector's Name/Title: _____

Location and Description of Grading and Stabilization Activities

Amendments to SWP3:

Date: _____ Inspector's Name/Title: _____

Location and Description of Grading and Stabilization Activities

Amendments to SWP3:

Date: _____ Inspector's Name/Title: _____

Location and Description of Grading and Stabilization Activities

Amendments to SWP3:

AEP OHIO TRANSMISSION COMPANY, INC. BABBITT STATION EXPANSION PROJECT

SUMMARY SWP3 INSPECTION RECORDS – FOR TCRs

I have completed a review of the SWP3 inspections completed on the project for the period of _____ to _____.

The following major observations were made relating to the implementation of the SWP3 and review of the inspection log.

Inspector Qualifications:

- ☐ The inspections were performed by "qualified inspection personnel" knowledgeable in the principles of erosion and sediment control and skilled in assessing the effectiveness of control measures.
- ☐ The inspections were NOT performed by "qualified inspection personnel" knowledgeable in the principles of erosion and sediment control and skilled in assessing the effectiveness of control measures.
- ☐ Corrective Measures were taken on _____ to provide "qualified inspection personnel" at the site.

Permit Compliance Observations:

- ☐ The project was in compliance with the SWP3 and permit during the review period.
- ☐ The project was NOT in compliance with the SWP3 and permit during the review period as noted below:
- ☐ Non-compliance issues included:

- ☐ Corrective Measures were taken on _____ to correct the above non-compliance issues.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Title: _____

Signature: _____

Date: _____

APPENDIX 4

Duty to Inform Contractors and Subcontractors Signature Form

AEP OHIO TRANSMISSION COMPANY, INC. BABBITT STATION EXPANSION PROJECT

DUTY TO INFORM CONTRACTORS AND SUBCONTRACTORS SIGNATURE FORM

By signing below, I acknowledge that I have been informed of the terms and conditions of the Ohio Environmental Protection Agency's General NPDES Permit for Storm Water Associated with Construction Activity, and have reviewed and understand the conditions and responsibilities of the Storm Water Pollution Prevention Plan for the AEP Ohio Transmission Company, Inc. Babbitt Station Expansion Project. I understand that Inspectors shall meet the qualifications outlined in Part VII.BB. of Ohio EPA Permit No.: OHC000005.

[illegible]

APPENDIX 5

Storm Water Calculations Report

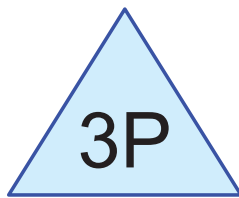


A legacy of **experience**. A reputation for **excellence**.

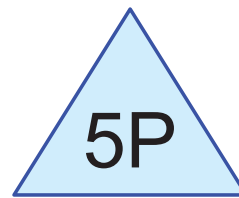
AEP BABBITT STATION EXPANSION

WATER QUALITY VOLUME CALCULATIONS						
BMP	Subarea Identifier	Area (acres)	Percent Impervious (%)	Rv	Water Quality Volume (ac-ft)	Water Quality Volume Elevation (feet)
Basin 01	Subarea 01	17.22	75%	0.73	0.937	-
	Total	17.22	75%	0.73	0.937	1125.80
Water Quality Volume calculated using the Ohio EPA formula: $WQ_v = \frac{R_v \times P \times A}{12}$ where: A = area draining into the BMP (acres) P = 0.90" precipitation depth Rv = the volumetric runoff coefficient Rv = 0.05+0.9i Where i = fraction of post-construction impervious surface						

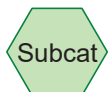
SEDIMENT BASIN CALCULATIONS					
BMP	Tributary Area (acres)	Disturbed Area (acres)	Required Dewatering Volume (67 CY/Tributary Acre) (ac-ft)	Dewatering Volume Elevation (feet)	Required Sediment Storage Volume (37 CY/Disturbed Acre) (ac-ft)
Basin 01	17.22	17.22	0.72	1125.54	0.39



Basin 01 WQ



Basin 01 Skimmer



Summary for Pond 3P: Basin 01 WQ

Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Outflow = 0.27 cfs @ 0.00 hrs, Volume= 0.952 af, Atten= 0%, Lag= 0.0 min
 Primary = 0.27 cfs @ 0.00 hrs, Volume= 0.952 af

Routing by Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
 Starting Elev= 1,125.80' Surf.Area= 0.877 ac Storage= 0.952 af
 Peak Elev= 1,125.80' @ 0.00 hrs Surf.Area= 0.877 ac Storage= 0.952 af

Plug-Flow detention time= (not calculated: no plugs found)

Center-of-Mass det. time= (not calculated: no inflow)

Volume Invert Avail.Storage Storage Description

#1 1,124.00' 5.806 af **Custom Stage Data (Conic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)	Wet.Area (acres)
1,124.00	0.080	0.000	0.000	0.080
1,125.00	0.680	0.331	0.331	0.680
1,126.00	0.930	0.802	1.133	0.931
1,127.00	1.040	0.984	2.117	1.042
1,128.00	1.170	1.104	3.222	1.173
1,129.00	1.290	1.230	4.451	1.295
1,130.00	1.420	1.354	5.806	1.426

Device Routing Invert Outlet Devices

#1 Primary 1,123.00' **12.0" Round RCP_Round 12"**
 L= 191.0' RCP, square edge headwall, Ke= 0.500
 Inlet / Outlet Invert= 1,123.00' / 1,122.05' S= 0.0050 ' / ' Cc= 0.900
 n= 0.013 Concrete pipe, bends & connections, Flow Area= 0.79 sf
 #2 Device 1 1,123.00' **2.5" Vert. WQ Orifice** C= 0.600 Limited to weir flow at low heads

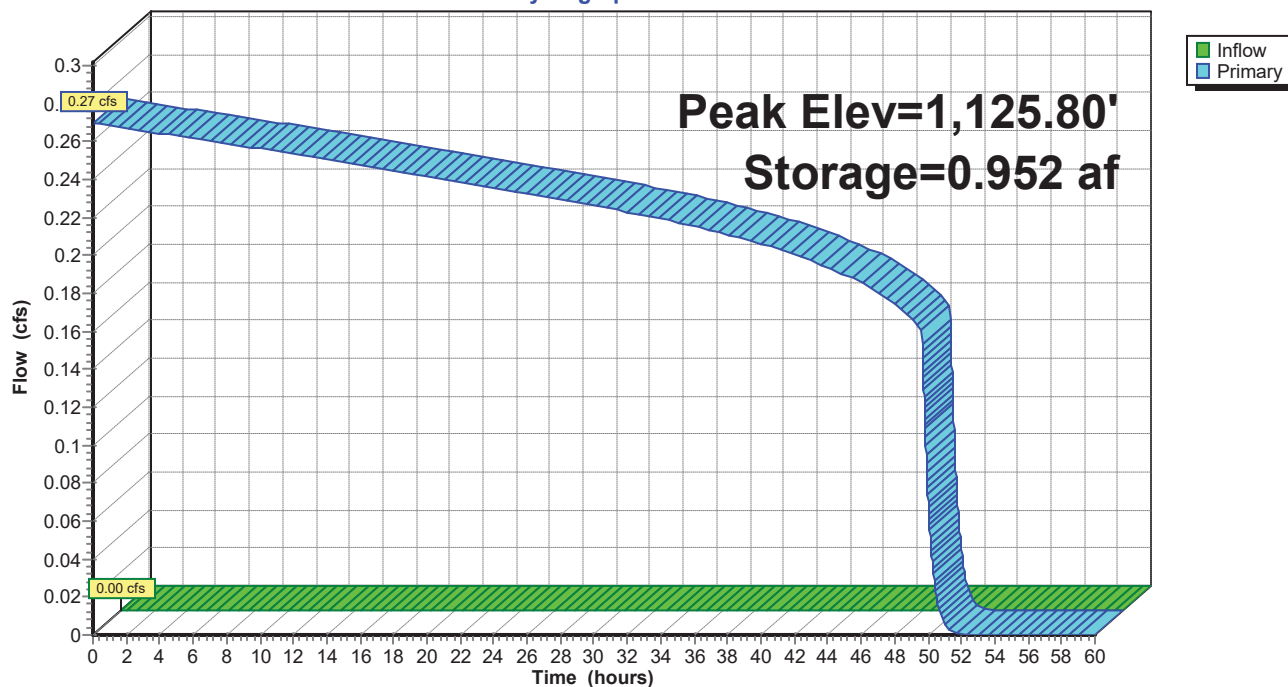
Primary OutFlow Max=0.27 cfs @ 0.00 hrs HW=1,125.80' (Free Discharge)

↑ **1=RCP_Round 12"** (Passes 0.27 cfs of 3.82 cfs potential flow)

↑ **2=WQ Orifice** (Orifice Controls 0.27 cfs @ 7.91 fps)

Pond 3P: Basin 01 WQ

Hydrograph



Hydrograph for Pond 3P: Basin 01 WQ

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.952	1,125.80	0.27
2.00	0.00	0.908	1,125.75	0.27
4.00	0.00	0.864	1,125.70	0.26
6.00	0.00	0.820	1,125.65	0.26
8.00	0.00	0.777	1,125.59	0.26
10.00	0.00	0.735	1,125.54	0.26
12.00	0.00	0.693	1,125.49	0.25
14.00	0.00	0.651	1,125.44	0.25
16.00	0.00	0.610	1,125.38	0.25
18.00	0.00	0.569	1,125.33	0.24
20.00	0.00	0.529	1,125.28	0.24
22.00	0.00	0.489	1,125.22	0.24
24.00	0.00	0.450	1,125.17	0.24
26.00	0.00	0.411	1,125.12	0.23
28.00	0.00	0.373	1,125.06	0.23
30.00	0.00	0.335	1,125.01	0.23
32.00	0.00	0.298	1,124.95	0.22
34.00	0.00	0.262	1,124.89	0.22
36.00	0.00	0.226	1,124.83	0.22
38.00	0.00	0.190	1,124.76	0.21
40.00	0.00	0.156	1,124.68	0.21
42.00	0.00	0.122	1,124.59	0.20
44.00	0.00	0.090	1,124.50	0.19
46.00	0.00	0.058	1,124.38	0.19
48.00	0.00	0.029	1,124.23	0.17
50.00	0.00	0.002	1,124.03	0.07
52.00	0.00	0.000	1,124.00	0.00
54.00	0.00	0.000	1,124.00	0.00
56.00	0.00	0.000	1,124.00	0.00
58.00	0.00	0.000	1,124.00	0.00
60.00	0.00	0.000	1,124.00	0.00

Summary for Pond 5P: Basin 01 Skimmer

Inflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Outflow = 0.16 cfs @ 0.00 hrs, Volume= 0.715 af, Atten= 0%, Lag= 0.0 min
 Primary = 0.16 cfs @ 0.00 hrs, Volume= 0.715 af

Routing by Stor-Ind method, Time Span= 0.00-60.00 hrs, dt= 0.01 hrs
 Starting Elev= 1,125.54' Surf.Area= 0.810 ac Storage= 0.733 af
 Peak Elev= 1,125.54' @ 0.00 hrs Surf.Area= 0.810 ac Storage= 0.733 af

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
 Center-of-Mass det. time= (not calculated: no inflow)

Volume	Invert	Avail.Storage	Storage Description	
#1	1,124.00'	5.806 af	Custom Stage Data (Conic) Listed below (Recalc)	
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)	Wet.Area (acres)
1,124.00	0.080	0.000	0.000	0.080
1,125.00	0.680	0.331	0.331	0.680
1,126.00	0.930	0.802	1.133	0.931
1,127.00	1.040	0.984	2.117	1.042
1,128.00	1.170	1.104	3.222	1.173
1,129.00	1.290	1.230	4.451	1.295
1,130.00	1.420	1.354	5.806	1.426

Device	Routing	Invert	Outlet Devices
#1	Primary	1,123.00'	12.0" Round RCP_Round 12" L= 191.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,123.00' / 1,122.05' S= 0.0050 '/' Cc= 0.900 n= 0.013 Concrete pipe, bends & connections, Flow Area= 0.79 sf
#2	Device 1	1,123.00'	2.0" Vert. Skimmer C= 0.600 Limited to weir flow at low heads

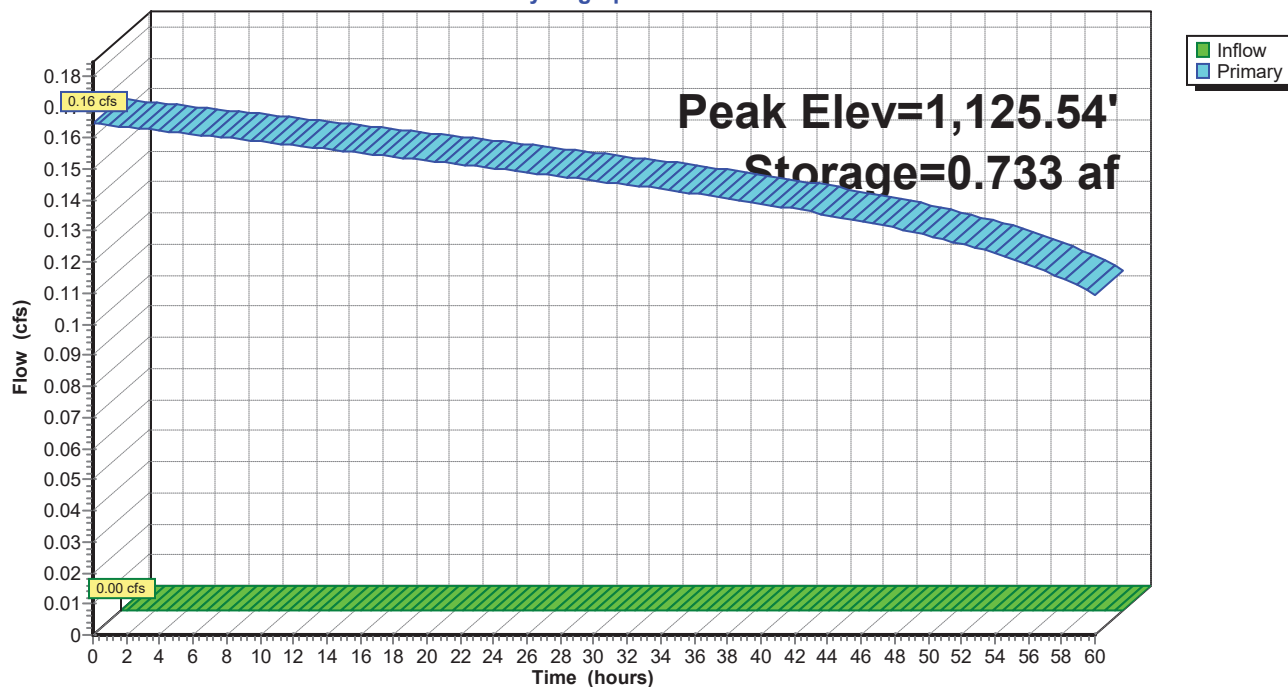
Primary OutFlow Max=0.16 cfs @ 0.00 hrs HW=1,125.54' (Free Discharge)

↑ **1=RCP_Round 12"** (Passes 0.16 cfs of 3.63 cfs potential flow)

↑ **2=Skimmer** (Orifice Controls 0.16 cfs @ 7.55 fps)

Pond 5P: Basin 01 Skimmer

Hydrograph



Hydrograph for Pond 5P: Basin 01 Skimmer

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0.733	1,125.54	0.16
2.00	0.00	0.706	1,125.51	0.16
4.00	0.00	0.679	1,125.47	0.16
6.00	0.00	0.652	1,125.44	0.16
8.00	0.00	0.626	1,125.40	0.16
10.00	0.00	0.599	1,125.37	0.16
12.00	0.00	0.573	1,125.34	0.16
14.00	0.00	0.547	1,125.30	0.16
16.00	0.00	0.521	1,125.27	0.16
18.00	0.00	0.496	1,125.23	0.15
20.00	0.00	0.470	1,125.20	0.15
22.00	0.00	0.445	1,125.16	0.15
24.00	0.00	0.420	1,125.13	0.15
26.00	0.00	0.396	1,125.09	0.15
28.00	0.00	0.371	1,125.06	0.15
30.00	0.00	0.347	1,125.02	0.15
32.00	0.00	0.323	1,124.99	0.14
34.00	0.00	0.299	1,124.95	0.14
36.00	0.00	0.275	1,124.91	0.14
38.00	0.00	0.252	1,124.87	0.14
40.00	0.00	0.229	1,124.83	0.14
42.00	0.00	0.206	1,124.79	0.14
44.00	0.00	0.184	1,124.74	0.14
46.00	0.00	0.161	1,124.69	0.13
48.00	0.00	0.139	1,124.64	0.13
50.00	0.00	0.118	1,124.58	0.13
52.00	0.00	0.097	1,124.52	0.13
54.00	0.00	0.076	1,124.45	0.12
56.00	0.00	0.056	1,124.37	0.12
58.00	0.00	0.037	1,124.28	0.11
60.00	0.00	0.018	1,124.17	0.11

APPENDIX 6

Long-term Maintenance Plan

LONG-TERM MAINTENANCE PLAN

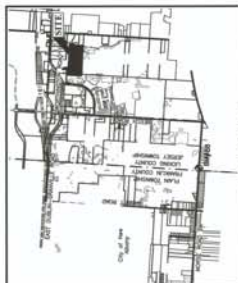
AEP OHIO TRANSMISSION COMPANY BABBITT STATION EXPANSION

The Storm Water Pollution Prevention Plan (SWPPP) prepared for construction of the Babbitt Station includes Best Management Practices (BMPs) for storm water management. As a condition of Part III.G.2.e of the General Permit (OHC000005), a maintenance plan is required for all post-construction BMPs to ensure that permanent storm water management systems continue to function as designed and constructed. For this Project, BMPs that will remain in place following the Notice of Termination (NOT) to Ohio EPA include the dry extended detention basin (see Grading Plan and Details).

INSPECTION AND MAINTENANCE RESPONSIBILITIES

Following construction, the Babbitt Station will be operated and maintained by AEP. As part of routine and periodic maintenance activities, a representative from AEP's Transmission Field Services (TFS) will inspect the BMPs according to the schedule outlined in Table 1 below.

INSPECTION AND MAINTENANCE ACTIVITIES FOR BMPs	
ACTIVITY	SCHEDULE
Diversion Channels: ▪ Check for sediment accumulation ▪ Inspect and correct slope erosion problems ▪ Remove vegetative growth from within the channel	Annually
Culverts: ▪ Ensure pipe is intact and functioning correctly ▪ Ensure inlet/outlet is clear of debris	Annually
Dry Extended Detention Basin Outlet Structure (Storm Structure #45) ▪ Inspect the following structure components and remove accumulated sediment and debris: ○ Grate ○ Window ○ Outlet pipe ○ Water quality orifice, perforated pipe, and, stone cover ○ Underdrain	Annually
Dry Extended Detention Basin Forebay: ▪ Remove accumulated sediment and debris from the bottom of the forebay and from the rock berm ▪ Repair the forebay rock berm	Annually
Dry Extended Detention Basin: ▪ Remove accumulated sediment and debris from the vegetated basin bottom ▪ Revegetate eroded or bare areas	Annually



ENGINEER
Daily, Inc.
c/o J. Edgar, Jr., Inc.
10000 New Albany Road
Columbus, Ohio 43204
Tel. 614-778-4381
Fax 614-778-4802

OWNER
 From Family Practice
 10000 1st Ave. S.
 Suite 100
 Minneapolis, MN 55425
 Tel: 612-338-1111
 Fax: 612-338-1112
 Email: info@familypractice.com

CITY OF NEW ALBANY APPROVALS

The agencies have applied only compliance with the purchase and general sections of the contract. As technical matters remain the responsibility of the Engineer or District Engineer, the Contracting Engineers and Surveyors. The staff of City Engineer's Office has been advised that they are not responsible for the design of the proposed works and approved based only on compliance with City Ordinances 1181, 1183, 1187, and 1190.

For additional information, please contact the City Engineer's Office at (616) 222-1181.

002/1725

[Signature]

Deputy Director
City of New Orleans, LA

North Hull
 Department of Services & Public Facilities
 City of New Albany, Ohio
 3/25/2020
 Total

2118. Ferro 3-18-70

1 / Rechner

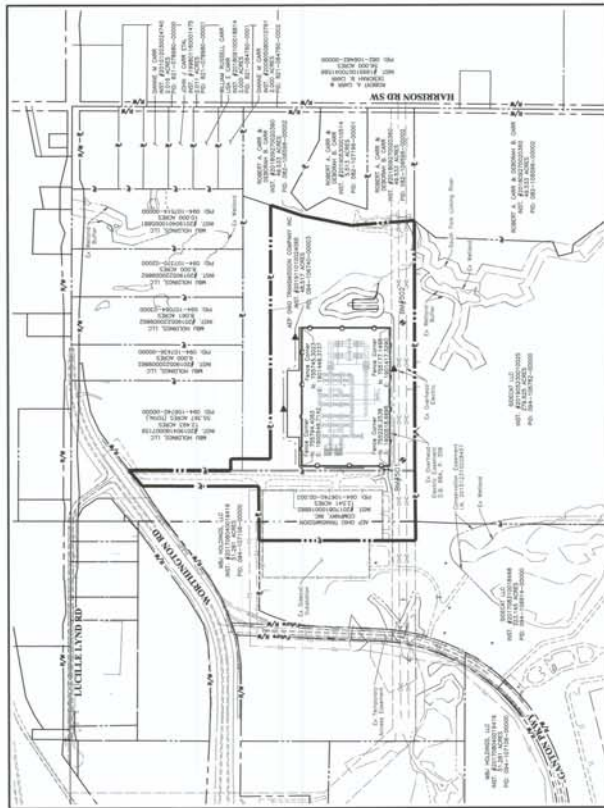
PREPARED BY:





 Registered Engineer No. 81882
 
 J. H. R.
 
 J. H. R.

PREPARED BY
EMHAT

[illegible]

INDEX MAP

STORMWATER NOTE
Stormwater Quality & Quantity controls for the proposed development will be provided by creating 0.07 Acre(s) to the east of the proposed development. For more information, please contact the following:
S&P Consultants for this list can be found in "S&P Staff"
S&P Consultants Stormwater Management Plan (SWMP) notes

Total Rippled Area:	48.52 Ac
Disturbed Area:	26.55± Ac
Pre-linguistic Area:	0.00± Ac

Ohio Utilities Protection Service
Call 811
before you dig

SHEET INDEX

E-1211	The Street	
E-1212	General Notes	
E-1213	General Notes	
E-1214	Labeling Conditions Plot	
E-1215	General Site Plot	
E-1216	Site Plot	
E-1217	Grading Plot	
E-1218	Storm Sewer Inflow and Outfall Stationing	
E-1219	Plot Stationing	
E-1220	Plot Stationing	
E-1221	Plot Stationing	
E-1222	Stormwater Pollution Prevention Plan - Phase 1	
E-1223	Stormwater Pollution Prevention Plan - Phase 2	
E-1224	Sample General Notes and Details	

RENCH MARKS

Downloaded from ascelibrary.org by Chongqing University of Posts and Telecommunications on 06/01/15
Copyright ASCE, For All Rights Reserved, No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without permission in writing from ASCE.

NOTE

The site boundary, topographic survey and existing conditions shown in the plan drawings were provided by Carroll Survey Co. Reference to Carroll Survey Co. A/Ca. Survey dated 11/12/1918. DWG#1 does not represent or warrant the work performed on the work product provided. The contractor shall be responsible to verify the site conditions and topography prior to the initiation of any site work or construction. Initiation of any site work by the contractor shall be deemed acceptance of the existing conditions and topography.

CLASSIFICATION OF HEARINGS

Readings are based on the Ohio State Plane Coordinate System, Ohio South Zone, North American Datum 1983 (Geoid 120), (2011 ADU).
5. Survey Foot. Vertical information shown based on North American Datum 1988.

STANDARD CONSTRUCTION DRAWINGS

State of Ohio Department of Transportation, 2019 (English Units)
 along with the City of Columbus Material Specifications (2018) including
 all drawings and supplemental specifications listed shall govern this
 contract.

1000

CITY OF COLUMBUS

ESTIMATE OF QUANTITIES				
The quantities herein were estimated by a Member of the City, to Estimate the quantities of work to be done in the project, and are not to be used for any other purpose. The quantities are based on the plans and specifications, and are subject to change without notice. The quantities are not to be used for any other purpose.				
ITEM	QUANTITY	UNIT	DESCRIPTION	REMARKS
201	100	Sqm	Clearing & Grading	
202	300	Sqm	Excavation	
203	25,000	Sqm	Gravel	
204	25,000	Sqm	Gravel	
205	25,000	Sqm	Gravel	
206	25,000	Sqm	Gravel	
207	25,000	Sqm	Gravel	
208	25,000	Sqm	Gravel	
209	25,000	Sqm	Gravel	
210	25,000	Sqm	Gravel	
211	25,000	Sqm	Gravel	
212	25,000	Sqm	Gravel	
213	25,000	Sqm	Gravel	
214	25,000	Sqm	Gravel	
215	25,000	Sqm	Gravel	
216	25,000	Sqm	Gravel	
217	25,000	Sqm	Gravel	
218	25,000	Sqm	Gravel	
219	25,000	Sqm	Gravel	
220	25,000	Sqm	Gravel	
221	25,000	Sqm	Gravel	
222	25,000	Sqm	Gravel	
223	25,000	Sqm	Gravel	
224	25,000	Sqm	Gravel	
225	25,000	Sqm	Gravel	
226	25,000	Sqm	Gravel	
227	25,000	Sqm	Gravel	
228	25,000	Sqm	Gravel	
229	25,000	Sqm	Gravel	
230	25,000	Sqm	Gravel	
231	25,000	Sqm	Gravel	
232	25,000	Sqm	Gravel	
233	25,000	Sqm	Gravel	
234	25,000	Sqm	Gravel	
235	25,000	Sqm	Gravel	
236	25,000	Sqm	Gravel	
237	25,000	Sqm	Gravel	
238	25,000	Sqm	Gravel	
239	25,000	Sqm	Gravel	
240	25,000	Sqm	Gravel	
241	25,000	Sqm	Gravel	
242	25,000	Sqm	Gravel	
243	25,000	Sqm	Gravel	
244	25,000	Sqm	Gravel	
245	25,000	Sqm	Gravel	
246	25,000	Sqm	Gravel	
247	25,000	Sqm	Gravel	
248	25,000	Sqm	Gravel	
249	25,000	Sqm	Gravel	
250	25,000	Sqm	Gravel	
251	25,000	Sqm	Gravel	
252	25,000	Sqm	Gravel	
253	25,000	Sqm	Gravel	
254	25,000	Sqm	Gravel	
255	25,000	Sqm	Gravel	
256	25,000	Sqm	Gravel	
257	25,000	Sqm	Gravel	
258	25,000	Sqm	Gravel	
259	25,000	Sqm	Gravel	
260	25,000	Sqm	Gravel	
261	25,000	Sqm	Gravel	
262	25,000	Sqm	Gravel	
263	25,000	Sqm	Gravel	
264	25,000	Sqm	Gravel	
265	25,000	Sqm	Gravel	
266	25,000	Sqm	Gravel	
267	25,000	Sqm	Gravel	
268	25,000	Sqm	Gravel	
269	25,000	Sqm	Gravel	
270	25,000	Sqm	Gravel	
271	25,000	Sqm	Gravel	
272	25,000	Sqm	Gravel	
273	25,000	Sqm	Gravel	
274	25,000	Sqm	Gravel	
275	25,000	Sqm	Gravel	
276	25,000	Sqm	Gravel	
277	25,000	Sqm	Gravel	
278	25,000	Sqm	Gravel	
279	25,000	Sqm	Gravel	
280	25,000	Sqm	Gravel	
281	25,000	Sqm	Gravel	
282	25,000	Sqm	Gravel	

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

6/24/2020 12:57:33 PM

in

Case No(s). 20-0531-EL-BLN

Summary: Notice Proof of Compliance with Condition 2 Letter and associated exhibit for the Kirk-Jug Street 345 kV Extension Project-Part 2 electronically filed by Tanner Wolffram on behalf of AEP Ohio Transmission Company, Inc.