



SWP³ REVIEW CHECKLIST



Reply To:
 MAHONING SOIL AND WATER CONSERVATION DISTRICT
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MINIMUM STANDARDS-Address all minimum components of the NPDES permit and Mahoning County Erosion & Sediment Control Rules using Ohio's Rainwater and Land Development Manual, 2006 edition

Yes

No

SITE

DESCRIPTION-

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | VICINITY MAP-Map locates site in relation to surrounding area. Show receiving waters. |
| <input type="checkbox"/> | <input type="checkbox"/> | LIMITS OF CLEARING-Indicate the limits of earth-disturbing activity, including borrow, spoil and stockpile areas for complete plan of development. |
| <input type="checkbox"/> | <input type="checkbox"/> | EXISTING VEGETATION-Show existing tree lines, unique vegetation and areas which may affect erosion and sediment controls. ie.: Show grassed area to be used as grass filter strip in conjunction with silt fence. |
| <input type="checkbox"/> | <input type="checkbox"/> | • The total area of the site. |
| <input type="checkbox"/> | <input type="checkbox"/> | • The area of the site that is expected to be disturbed. |
| <input type="checkbox"/> | <input type="checkbox"/> | • The pre- and post-construction runoff coefficient. |
| <input type="checkbox"/> | <input type="checkbox"/> | • Existing soil types boundaries |
| <input type="checkbox"/> | <input type="checkbox"/> | • The name of the receiving waters. |
| <input type="checkbox"/> | <input type="checkbox"/> | A site map. Does the site map include the following: |
| <input type="checkbox"/> | <input type="checkbox"/> | • Drainage patterns? |
| <input type="checkbox"/> | <input type="checkbox"/> | • Approximate slopes <i>after</i> major grading? |
| <input type="checkbox"/> | <input type="checkbox"/> | SPECIAL NOTES FOR CRITICAL AREAS-Give details and specifications for practices for protecting streams, steep slopes, etc. |
| <input type="checkbox"/> | <input type="checkbox"/> | • Outline and labeling of areas that are not be disturbed? |
| <input type="checkbox"/> | <input type="checkbox"/> | • Location of major structural and non-structural controls? |
| <input type="checkbox"/> | <input type="checkbox"/> | • Areas where stabilization practices area expected to occur? |
| <input type="checkbox"/> | <input type="checkbox"/> | • Surface waters (wetlands, waterbodies, etc.)? |
| <input type="checkbox"/> | <input type="checkbox"/> | DETAIL DRAWINGS-Any structural practices used must be explained and illustrated with detailed drawings. |

DESCRIPTION OF CONTROLS -

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Does the Plan include a description of controls? Does the description of controls include the following: |
| <input type="checkbox"/> | <input type="checkbox"/> | Stabilization practices for all areas disturbed by construction (erosion <i>and</i> sediment controls)? |
| <input type="checkbox"/> | <input type="checkbox"/> | Structural practices for all drainage/discharge locations (erosion <i>and</i> sediment controls)? |
| <input type="checkbox"/> | <input type="checkbox"/> | Measures used to control pollutants occurring in storm water discharges after construction activities are complete (<i>storm water management</i> controls)? |

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Velocity dissipation devices to provide non-erosive flow conditions from the discharge point along the length of any outfall channel (<i>storm water management</i> controls)? |
| <input type="checkbox"/> | <input type="checkbox"/> | Waste disposal practices that prevent discharge of solid materials to waters of the U. S. (<i>other</i> controls)? |
| <input type="checkbox"/> | <input type="checkbox"/> | Measures to minimize offsite tracking of sediments by construction vehicles (<i>other</i> controls)? |
| <input type="checkbox"/> | <input type="checkbox"/> | Measures to ensure compliance with State and/or local waste disposal, sanitary sewer, or septic system regulations (<i>other</i> controls)? |
| <input type="checkbox"/> | <input type="checkbox"/> | A description of the timing during the construction when measures will be implemented (construction sequence)? |
| <input type="checkbox"/> | <input type="checkbox"/> | Are all requirements of the Mahoning County Erosion and Sediment Control Rules met in the SWPPP as presented? |

Yes No

STATE AND/OR LOCAL PERMIT REQUIREMENTS –

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Have State and/or local requirements been incorporated into the Plan (wetlands, stream modification, etc.)? |
|--------------------------|--------------------------|---|

INSPECTION AND MAINTENANCE PROCEDURES –

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Are inspection and maintenance procedures for control measures identified in the Plan, including long-term maintenance for post-construction practices? |
|--------------------------|--------------------------|---|

NON-STORM WATER DISCHARGES AND PROCEDURES –

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Are allowable non-storm water discharges and pollution prevention measures identified in the Plan? |
|--------------------------|--------------------------|--|

CONTRACTOR INFORMATION

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Is the contractor Co-permittee Notice of Intent included in the Plan? |
| <input type="checkbox"/> | <input type="checkbox"/> | Is the responsible party listed for each respective practice? |
| <input type="checkbox"/> | <input type="checkbox"/> | Are specific BMP notes included for contractor guidance? |

Plan Development Points of Consideration

Examine how runoff will travel across the site

Evaluate the site according to the direction of flow, whether flow is concentrated or sheet, and the amounts of runoff per drainage area. It is important to consider how much offsite water contributes to the site watersheds.

Evaluate proposed controls:

- o Does each control have appropriate capacity for the contributing drainage area?
- o Is the control appropriate to the type of flow?
- o Is the control appropriate to the timing of the construction sequence and activities?

- Are sediment controls incorporated that will function effectively *from the start of grading* until *final stabilization* and until the drainage system alterations have been completed?
- What critical areas may require special attention? For example, stream setbacks, steep slopes, stream crossings, utility crossings, slope drains, staged seedings and matting, etc.

Evaluate impacts to the streams and wetlands on the site

- Are streams and/or wetlands being impacted (street crossing, utility crossing, etc.) by activities that require Army Corps of Engineers or Ohio EPA involvement?
- Is the project design reflective of the Mahoning County riparian setback (based on drainage area)?

Construction Sequence

- A detailed construction sequence must outline activities as they relate to control of erosion and sediment migration from the first day of work on the site. A sequence that does not address runoff conditions from the *beginning* of earth-disturbing activities will not be accepted. For example, if heavy seasonal precipitation occurs two weeks into the project, all planned controls, according to the construction sequence, must be installed and functioning.

Specifications and drawings

- Detail drawings of erosion and sediment control practices **MUST PROVIDE SUFFICIENT INFORMATION** and clarity so as to instruct the contractor in the construction of a functional practice.
- Details of sediment control facilities must include all elevations, outlet type, orifice sizing and spacing measurements, as well as drawdown times respective to the type of control (wet or dry, trap or basin).

Post-construction water quality outlets and practices are just that--**post-construction**, even though all practices must be included in the SWPPP. All post-construction WQ_v practices are not to be functional until the site has been stabilized. Most post-construction water quality practices will be rendered non-functional by sediment loading and may not be able to be maintained or repaired. Stormwater management practices that are modified to control sediment (capacity must be 134/yd³ per drainage acre) during construction must have outlets that allow for ponding of sediment-laden runoff. The drawdown time for each respective (wet or dry) type of control must be calculated and the proper-sized orifice(s) or outlet structure shown on plan.

At such time that site has been stabilized and sediment controls removed, the post-construction WQ_v outlet or practices will become functional.