



Storm Water Pollution Prevention Plan (SWP3) Checklist for Construction Activities

Part III.G.1 Site Description

Operations that discharge storm water from construction activities are subject to the following requirements and the SWP3 shall include the following items:

- a. Does the SWP3 describe the nature and type of construction activity (e.g., low density residential, shopping mall, highway, etc.)?
 YES
 NO
- b. Does the SWP3 describe the total area of the site that is expected to be disturbed (i.e., the area of grubbing, clearing, excavating, filling, or grading including off-site borrow areas)?
 YES
 NO
- c. Does the SWP3 include a calculation of the runoff coefficients for both the pre-construction and post-construction site conditions?
 YES
 NO
- d. Was an estimation of the impervious area and percent imperviousness as a result of the construction activity included in the SWP3?
 YES
 NO
- e. Does the SWP3 include any existing data describing the soil? *NOTE: If this data is not available, it does not need to be included.*
 YES
 NO

Does the SWP3 provide any information on the quality of the storm water discharge from the construction site? *NOTE: If this data is not available, it does not need to be included.*

- YES
 NO

- f. Does the SWP3 include any information about prior land uses at the site (e.g., was the property used to manage solid or hazardous waste)?
 YES
 NO

Construction Site SWP3 Checklist

Page 2 of 14

- g. Does the SWP3 include an implementation schedule which describes the sequence of major construction operations (i.e., grubbing, excavating, grading, utilities and infrastructure installation) and the implementation of erosion, sediment and storm water management practices or facilities to be employed during each operation of the sequence?

YES

NO

- h. Does the SWP3 include the name(s) or location(s) of the initial and subsequent surface water bodies receiving the storm water discharge?

YES

NO

Does the SWP3 include the areal extent and description of the wetland or other special aquatic sites which will be disturbed and/or will receive the storm water discharges?

YES

NO

- i. For construction sites with no centralized sediment controls (e.g., a sediment settling pond or inlet protection) which receives drainage from multiple lots, does the SWP3 include a detail drawing of a typical individual lot with shown sediment and erosion controls)?

YES

NO

- j. Does the SWP3 include the location and description of storm water discharges associated with dedicated asphalt and/or concrete batch plants covered by the NPDES construction storm water general permit?

YES

NO

- k. Does the SWP3 include a copy of the NPDES construction storm water general permit?

YES

NO

Part III.G.1.1 SWP3 Site Map Requirements

A detailed site map is required by the NPDES construction storm water general permit. The site map must include the following items:

1. Does the site map describe the limits of earth-disturbing activity of the site including associated off-site borrow or spoil areas that are not addressed by a separate NOI and associated SWP3?

YES

NO

Construction Site SWP3 Checklist

Page 3 of 14

2. Does the site map describe the soils types depicted for all areas of the site, including locations of unstable or highly erodible soils?
 YES
 NO

3. Does the site map show existing and proposed contours to delineate drainage watersheds expected during and after major grading activities as well as the size of each drainage watershed, in acres?
 YES
 NO

4. Does the site map show surface water locations including springs, wetlands, streams, lakes, water wells, etc., on or within 200 feet of the site, including the boundaries of wetlands or stream channels and first subsequent named receiving water(s) the permittee intends to fill or relocate for which the permittee is seeking approval from the Army Corps of Engineers and/or Ohio EPA?
 YES
 NO

5. Does the site map include the location of existing and planned buildings, roads, parking facilities, and utilities?
 YES
 NO

6. Does the site map include the location of all erosion and sediment control practices, including the location of areas likely to require temporary stabilization during the course of site development?
 YES
 NO

7. Does the site map include the location of sediment and storm water management basins noting their sediment settling volume and contributing drainage area?
 YES
 NO

8. Does the site map include the location of permanent storm water management practices to be used to control pollutants in storm water after construction operations have been completed?
 YES
 NO

9. Does the site map include areas designated for the storage or disposal of solid, sanitary, and toxic wastes (including dumpster areas), areas designated for cement truck washout, and areas for vehicle fueling?
 YES
 NO

Construction Site SWP3 Checklist
Page 4 of 14

10. Does the site map include the location of designated construction entrances where the vehicles will access the construction site?
 YES
 NO
11. Does the site map include the location of any in-stream activities including stream crossings?
 YES
 NO

Part III.G.2 Sediment & Erosion Controls

Erosion Control

a. Non-Structural Preservation Methods

- ① Has every effort been made to preserve the natural riparian setback adjacent to streams or other surface water bodies?
 YES
 NO
- ② Have efforts been made to phase in construction activities in order to minimize the amount of land disturbance at one time?
 YES
 NO
- ③ Will any portions of the site be left undisturbed (e.g., tree preservation areas)?
 YES
 NO

b. Structural Erosion Control

- ① Does the SWP3 describe the control practices used to restabilize areas after grubbing or construction?
 YES
 NO
- ② Does the SWP3 specify the types of stabilization measures to be employed for any time of the year?
 YES
 NO

Construction Site SWP3 Checklist
Page 5 of 14

i. Temporary Stabilization

For disturbed areas within 50 feet of a stream remaining dormant for over 21 days, will temporary erosion controls be applied within 2 days?

YES

NO

For disturbed areas over 50 feet away from a stream remaining dormant for over 21 days, will temporary erosion controls be applied within 7 days?

YES

NO

For disturbed areas that will be left idle over winter, will temporary erosion controls be applied prior to onset of winter weather?

YES

NO

ii. Permanent Stabilization

For disturbed areas within 50 feet of a stream at final grade, will permanent erosion controls be applied within 2 days of reaching final grade?

YES

NO

For disturbed areas remaining dormant for over 1 year or at final grade, will permanent erosion controls be applied within 7 days?

YES

NO

c. Runoff Control Practices

① Does the SWP3 incorporate measures to reduce flow rates (e.g., riprap, ditch check dams)?

YES

NO

② Does the SWP3 incorporate measures to divert concentrated flow (e.g., pipe slope drains)?

YES

NO

d. Sediment Control Practices

① Will sediment control devices be implemented for all areas remaining disturbed for over 14 days?

YES

NO

Construction Site SWP3 Checklist
Page 6 of 14

- ② Are detail drawings of the sediment controls to be used included in the SWP3?
 YES
 NO

i. Timing

Does the SWP3 specify that sediment controls will be installed/implemented within 7 days of grubbing activities?

- YES
 NO

Does the SWP3 propose alternate sediment controls for the changing slopes and topography?

- YES
 NO

ii. Sediment Settling Ponds

Does the SWP3 include the installation and use of a sediment settling pond? *NOTE: Sediment settling ponds are required for all drainage areas of 10 or more acres of land disturbed at one time. Sediment settling ponds are also required when the design capacity of silt fence or inlet protection has been exceeded.*

- YES
 NO

For construction activities that require sediment settling pond(s), does the SWP3 propose to implement alternative controls to sediment settling ponds? *NOTE: Alternative controls must be equivalent in effectiveness to a sediment settling pond.*

- YES
 NO

Is the volume of the sediment settling pond sized to receive at least 67 cubic yards of storm water per acre of drainage area?

- YES
 NO

Is the maximum depth of each sediment settling pond less than or equal to 5 feet?

- YES
 NO

Is the length to width ratio of the sediment settling pond at least two units of length for every one unit of width ($\geq 2:1$ length to width)? *NOTE: The greater the distance from the storm water inlet into the pond to the storm water outlet, the greater likelihood of sediment settlement. This prevents short-circuiting of the pond.*

- YES
 NO

Construction Site SWP3 Checklist
Page 7 of 14

Will the sediment settling pond be cleaned out when the silt occupies 40 percent of the pond depth (approximately one-half of the pond depth)?

- YES
- NO

Is the sediment settling pond designed to consider public (i.e., child) safety where site limitation preclude a safe design?

- YES
- NO

iii. Silt Fence & Other Diversions

Will silt fence or other diversions be used to control sheet flow?

- YES
- NO

Will silt fence be used in areas of steep slopes or concentrated flow? *NOTE: Silt fence is not permitted to be used for controlling high velocity storm water flow (only sheet flow).*

- YES
- NO

Design Capacity of Silt Fence

Maximum drainage area (in acres) to 100 linear feet of silt fence	Range of slope for a particular drainage area (in percent)
0.5	< 2%
0.25	≥ 2% but < 20%
0.125	≥ 20% but < 50%

iv. Inlet Protection

Will the field drain inlets and/or the street curb inlets drain into a sediment settling pond or directly to surface waters of the state? *NOTE: Inlet protection is mandatory where sediment settling ponds will not be implemented.*

- YES
- NO

v. Stream Protection

Does the SWP3 propose to use any structural sediment controls in a stream? *NOTE: Use of structural sediment controls in-stream is prohibited in accordance with Part III.G.2.d.v.*

- YES
- NO

Construction Site SWP3 Checklist
Page 8 of 14

For construction activities that are on the stream bank or will involve stream crossing, does the SWP3 include measures to minimize the number of stream crossings and/or the width of disturbance? *NOTE: If work along a stream bank is necessary, a non-erodible pad or non-erodible stream diversion dams (sand bags) must be installed. If stream crossings are necessary, a non-erodible stream crossing must be installed.*

- YES
 NO

Part III.G.2.e Post-Construction Storm Water Management

Does the SWP3 include the installation of a structural post-construction best management practice (BMP) to manage storm water runoff once construction activities have been completed?

- YES
 NO

Has a long-term maintenance plan been developed or included in the SWP3 for maintenance of the structural post-construction BMP? *NOTE: The long-term maintenance plan must be developed and provided to the post-construction site operator, but does not need to be implemented as required by this permit. Local municipalities may require maintenance plan implementation.*

- YES
 NO

Is the construction activity a linear project (e.g., pipeline or utility line installation) that does not result in the installation of impervious surface? *NOTE: Linear projects that don't result in the installation of impervious surface do not need the installation of structural post-construction BMPs.*

- YES
 NO

Large Construction Activities (5 acres and up)

Does the SWP3 include a structural post-construction BMP with a specified volume and drain time?

- YES
 NO

If so, was one of the two methods proposed in the NPDES construction storm water general permit (CGP) used to determine the water quality volume (WQ_v) and drain time?

- YES
 NO

If the formula described in the CGP was used to calculate the WQ_v , were the correct values used for:

- | | | |
|--|------------------------------|-----------------------------|
| (a) runoff coefficient (C)? | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| (b) precipitation depth (P = 0.75-inches)? | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| (c) and the drainage area (A) to the BMP? | <input type="checkbox"/> YES | <input type="checkbox"/> NO |

Construction Site SWP3 Checklist
Page 9 of 14

If the structural post-construction BMP will be used for sediment storage and/or has a reduced infiltration capacity, was the WQ_v increased by an additional 20 percent (“fudge factor”)?

- YES
 NO

Does the drain time in the SWP3 for the proposed structural post-construction BMP match the drain time for the selected BMP in the table below?

- YES
 NO

Target Draw Down (Drain) Times for
 Structural Post-Construction BMPs

Best Management Practice	Drain Time of WQ_v
Infiltration	24 - 48 hours
Vegetated Swale and Filter Strip	24 hours
Extended Detention Basin (Dry Basins)	48 hours
Retention Basins (Wet Basins)*	24 hours
Constructed Wetlands (above permanent pool)	24 hours
Media Filtration, Bioretention	40 hours

* Provide both a permanent pool and an extended detention volume above the permanent pool, each sized at $0.75 * WQ_v$

If the SWP3 proposes to use an alternative BMP instead of one of the BMPs listed in the table above, is the alternative BMP equivalent in effectiveness to the BMPs listed above?

- YES
 NO

Is there a pre-existing drainage basin or other BMP that will receive the storm water drainage from the construction site, is it sized appropriately to treat the WQ_v ?

- YES
 NO

For redevelopment projects which disturb 5 or more acres of land, was one of the following options used to as a post-construction practice:

- (a) 20 % reduction in impervious area? YES NO
 (b) a BMP sized to treat 20% of the WQ_v ? YES NO
 (c) or a combination of (a) and (b) above? YES NO

Construction Site SWP3 Checklist
Page 10 of 14

Small Construction Activities (1 to 5 acres)

Does the SWP3 include a structural post-construction BMP? *NOTE: A structural post-construction BMP is required for small construction activities, but the design standards have not been specified in the CGP.*

- YES
 NO

i. If so, does the SWP3 explain the technical basis used to select the BMPs chosen where flows exceed pre-development levels?

- YES
 NO

ii. Does the SWP3 include the installation of velocity dissipation devices at discharge locations and outfall channels?

- YES
 NO

Part III.G.2.g Non-Sediment Pollutant Controls

Handling of Toxic or Hazardous Materials

1. Does the SWP3 provide directions on how to dispose toxic or hazardous wastes properly?

- YES
 NO

2. Does the SWP3 provide areas for recycling of used or unused hazardous materials?

- YES
 NO

NOTE: No toxic or hazardous wastes shall be disposed into storm drains, septic tanks, or by burying, burning, or mixing the wastes.

Waste Disposal

Will containers (e.g., dumpsters, drums) be available for disposal of debris, trash, hazardous or petroleum wastes?

- YES
 NO

NOTE: All containers must be covered and leak-proof.

Construction Site SWP3 Checklist
Page 11 of 14

Clean Hard Fill

1. Are bricks, hardened concrete, and soil waste free from contamination which may leach constituents to waters of the state?
 YES
 NO

2. If clean construction wastes will be disposed into the property, are there any local prohibitions from this type of disposal?
 YES
 NO

Construction & Demolition Debris

Does the SWP3 state that all construction & demolition debris (C&DD) waste will be disposed of in an Ohio EPA approved C&DD landfill as required by Ohio Revised Code (ORC) 3714? *NOTE: Construction debris may be disposed of on-site, but demolition debris must be disposed in an Ohio EPA approved landfill.*

- YES
 NO

NOTE: Materials which contain asbestos must comply with air pollution regulations (see Ohio Administrative Code (OAC) 3745-20).

Construction Chemical Compounds

1. Does the SWP3 designate areas used for mixing or storage of compounds such as fertilizers, lime, asphalt, or concrete?
 YES
 NO

2. If so, are these areas located away from watercourses, drainage ditches, field drains, or other storm water drainage areas?
 YES
 NO

Equipment Fueling & Maintenance

1. Does the SWP3 designate areas used for fueling or performing vehicle maintenance?
 YES
 NO

2. If so, are these areas located away from watercourses, drainage ditches, field drains, or other storm water drainage areas?
 YES
 NO

Construction Site SWP3 Checklist
Page 12 of 14

3. Has a spill prevention control and countermeasures (SPCC) plan been developed? *NOTE: A SPCC plan must be developed for sites with one above ground storage tank (AST) of 660 gallons or more, total above ground tank storage of 1330 gallons, or below ground storage of 42,000 gallons of fuel.*
- YES
 NO

Concrete Wash Waters

1. Does the SWP3 designate areas used for receiving concrete chute or other concrete wash waters?
- YES
 NO
2. If so, are these areas located away from watercourses, drainage ditches, field drains, or other storm water drainage areas?
- YES
 NO

Contaminated Soils

- Does the SWP3 address proper handling and disposal of soils contaminated by petroleum or other chemical spills? *NOTE: All contaminated soils must be treated and/or disposed in Ohio EPA approved solid waste management facilities or hazardous waste treatment, storage or disposal facilities (TSDFs).*
- YES
 NO

Spill Reporting Requirements

1. Does the SWP3 describe what to do in the event of a small release (less than 25 gallons) of petroleum waste? *NOTE: Petroleum based and concrete curing compounds must have special handling procedures.*
- YES
 NO
2. Does the SWP3 describe what to do in the event of a larger release (25 or more gallons) of petroleum waste? *NOTE: You must contact, Ohio EPA (at 1-800-282-9378), the local fire department, and the local emergency planning committee (LEPC) within 30 minutes of a spill of 25 or more gallons.*
- YES
 NO

Open Burning

1. Is open burning performed in a restricted area (as defined in OAC 3745-19)? *NOTE: Open burning is permitted in restricted areas for barbeques, heating, and certain occupational purposes.*
- YES
 NO

Construction Site SWP3 Checklist
Page 13 of 14

2. Is open burning performed in a non-restricted area, but within 1,000 feet of an inhabited building away from the property? *NOTE: Open burning in an unrestricted area is limited to scrap lumber, wooden fence posts, agricultural, land-clearing, or landscape wastes.*
- YES
 NO

Dust Controls/Suppressants

1. Are dust suppressants proposed to be used in the SWP3?
- YES
 NO
2. If so, are the areas which the dust suppressant will be applied located near catch basins for storm sewers or other drainage ways?
- YES
 NO

NOTE: Used oil may not be used as a dust suppressant.

Air Permitting Requirements

1. Have appropriate measures been taken to ensure that all air pollution permits have been obtained? *NOTE: Air pollution permits may be required for activities including, but not limited to, mobile concrete batch plants, mobile asphalt plants, concrete crushers, and large generators.*
- YES
 NO
2. For restoration or demolition projects, will a notification be submitted to Ohio EPA, Division of Air Pollution Control to determine if asbestos corrective actions are required?
- YES
 NO

Process Wastewater/Leachate Management

Will all process wastewaters (e.g., equipment washing, leachate associated with on-site waste disposal, and concrete wash-outs) be collected and disposed of properly (e.g., to a publicly-owned treatment works)? *NOTE: The NPDES construction storm water general permit only authorizes the discharge of storm water and certain uncontaminated non-storm waters. The discharge of non-storm waters to waters of the state may be in violation of local, state, and federal laws or regulations.*

YES
 NO

Construction Site SWP3 Checklist
Page 14 of 14

Permit-to-Install (PTI) Requirements

For construction activities involving the installation and/or replacement of a centralized sanitary system, (including sewer extensions) or a sewerage system (except those serving one, two, and three family dwellings) and potable water lines, was a PTI application submitted to Ohio EPA?

YES

NO

NOTE: Coverage under the NPDES construction storm water general permit does not alone authorize the installation of such sanitary sewerage systems or potable water lines.

Does the SWP3 include measures for implementing good housekeeping practices?

YES

NO

Does the SWP3 promote the use of protected storage areas for industrial or construction materials to minimize exposure of such materials to storm water?

YES

NO