Environmental Protection Agency

Construction Stormwater Pollution Prevention Plan (SWP3) Checklist With Appendix B - Olentangy River Watershed

Use of this checklist requires working knowledge of Ohio EPA's Construction Stormwater General Permit (CGP). Standard criteria of the permit are listed below. The user must affirm that a SWP3 fulfills all applicable conditions of the CGP. Certain items listed below may be not applicable (N/A) to your project. Non-standard items that are not listed in this checklist may apply.

Project Name:	**Date Received:**
Checked By:	**Date Reviewed:**

Contact Information	**Yes**	**N/A**
Does a cover or title page identify the name and location of the site, the name and contact information for site operator(s) and SWP3 authorization agent(s)? (III.G.1.l)		
Does a cover page identify an estimated construction start and completion date? (III.G.1.l)		
Comments:		

Site and Construction Activity Assessment	**Yes**	**N/A**
Is the location of the construction activity sufficiently identified? (III.G.1.l)		
Does the SWP3 describe:		
▪ The nature and type of construction activity (III.G.1.a)		
▪ Prior and existing land use? (III.G.1.f)		
▪ Existing site drainage? (III.G.1.n.iii)		
▪ Site soil types and conditions? (III.G.1.e)		
▪ Contaminated soils? (III.G.1.n.ii)		
▪ Any on-site streams or wetlands? (III.G.1.n.vi)		
▪ Activities required to be authorized under Section 401 and subject to anti-degradation review? (III.A)		
Is the point(s) of discharge and receiving water(s) fully identified? (III.G.1.i)		
Does the SWP3 indicate:		
▪ Size of property? (III.G.1.b)		
▪ Total area expected to be disturbed by construction activity? (III.G.1.b)		
▪ Impervious area before construction? (III.G.1.c)		
▪ Runoff coefficient (Rv) before construction? (III.G.1.c)		
▪ Proposed on-site impervious area? (III.G.1.c)		
▪ Proposed runoff coefficient (Rv)? (III.G.1.c)		
Does the SWP3 account for any construction support activities (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, spoil or borrow areas)? (III.G.1.b)		
Does the SWP3 identify and ensure implementation of appropriate BMPs for non-stormwater discharges? (I.B.4)		
Does the SWP3 identify pollutant-generating construction activities with their associated potential sources of pollutants or pollutant sources? (I.B.4)		
Does the SWP3 include a BMP implementation schedule that describes the sequence of major construction operations and the BMPs to be employed during each operation of the sequence? (III.G.1.h)		
Comments:		

Preservation Methods	Yes	N/A
Does SWP3 make use of practices that preserve the existing natural condition as much as feasible? (III.G.2.a)		
Does the SWP3 include preservation BMPs (soil restoration, vegetative buffer strips, etc.) with their description, installation timing, maintenance, and responsible party? (III.G.2)		
Do construction activities fifty feet from a surface water of the state comply with the buffer or stabilization non-numeric effluent limitation? (III.G.2.a)		
Do the practices meet *Rainwater and Land Development* or other acceptable standards? (III.G.2)		
Comments:		

Soil Stabilization and Erosion Control	Yes	N/A
Does the SWP3 minimize the amount of soil exposed during construction activity? (II.A.3)		
Does the SWP3 plan effective controls to minimize:		
▪ Off-site vehicle tracking? (III.G.2.g.ii)		
▪ Dust generation? (III.G.2.g.ii)		
Does the SWP3 describe controls designed to re-establish permanent vegetation or suitable cover on disturbed areas after grading in accordance with Table 1? (III.G.2.b.i)		
Does the SWP3 describe controls designed to re-establish temporary vegetation or suitable cover on disturbed areas after grading in accordance with Table 2? (III.G.2.g.i)		
Does the SWP3 guide the method of stabilization to use by time of the year? (III.G.2.b)		
Do maps show areas likely to require temporary stabilization during site development? (III.G.1.n.vii)		
Will stabilization and erosion controls minimize the erosion of conveyance channels? (III.G.2.g.ii)		
Will stabilization and erosion controls minimize:		
▪ Erosion of outlets? (III.G.2.g.ii)		
▪ Erosion of soil stockpiles? (III.G.1.n.vii)		
▪ The disturbance of steep slopes? (II.A.4)		
Does the SWP3 identify:		
▪ The general timing that the erosion controls will be implemented? (III.G.2)		
▪ Who is responsible for implementing erosion controls? (III.G.2)		
▪ Maintenance procedures needed to ensure the continued performance of erosion controls? (III.G.2.h)		
Do the practices meet *Rainwater and Land Development* or other acceptable standards? (III.G.2)		
Comments:		

Runoff Controls	Yes	N/A
Does the SWP3 include measures to control the flow of runoff from disturbed areas to prevent erosion? (III.G.2.c)		
Do BMPs divert runoff away from disturbed areas and steep slopes where practicable? (III.G.2.c)		
Are velocity dissipation measures placed at discharge locations and along any outfall channel to provide non-erosive flow velocity from the structure to a water course? (III.G.2.c)		
Does the SWP3 identify:		
▪ The general timing runoff controls will be implemented? (III.G.2)		
▪ Who is responsible for implementing runoff controls? (III.G.2)		
▪ Maintenance procedures needed to ensure the continued performance of runoff controls? (III.G.2.h)		
Do the practices meet *Rainwater and Land Development* or other acceptable standards? (III.G.2)		
Comments:		

Sediment Controls	Yes	N/A
Does the SWP3 include structural measures to capture sediment in runoff? (III.G.2.d)		
Will sediment controls be functional within 14 days of clearing throughout earth disturbing activity? (III.G.2.d.i)		
Will controls address changing topography and drainage patterns as construction progresses? (III.G.2.d.i)		
Are sediment settling ponds used to control concentrated flow in accordance with the permit? (III.G.2.d.ii)		
Do sediment settling ponds meet the following design criteria:		
▪ Dewatering (detention) volume of 1800 cu. ft. per drainage acre? (III.G.2.d.ii)		
▪ Sediment storage volume of 1000 cu. ft. per disturbed acre? (III.G.2.d.ii)		
▪ Depth ≤ 5 feet? (III.G.2.d.ii)		
▪ Length:width ratio ≥2:1? (III.G.2.d.ii)		
▪ Discharges from the surface? (skimmer device) (III.G.2.d.ii)		
▪ Dewatering volume drain time ≥ 48 hours?		
Are sediment barriers used to control sheet flow in accordance with the permit? (III.G.2.d.iii)		
Is inlet protection used at storm drain inlets in accordance with the permit? (III.G.2.d.iv)		
Adjacent surface waters are protected with structural controls and buffer/stabilization requirements? (III.G.2.d.v)		
Does the SWP3 identify:		
▪ The general timing sediment controls will be implemented? (III.G.2)		
▪ Who is responsible for implementing sediment controls? (III.G.2)		
▪ Maintenance procedures needed to ensure the continued performance of sediment controls? (III.G.2.h)		
Do the practices meet *Rainwater and Land Development* or other acceptable standards? (III.G.2)		
Comments:		

Post-Construction Stormwater Management	Yes	N/A
Does the SWP3 describe the post-construction BMPs to be installed during construction? (III.G.2.e)		
Is the rationale for its selection included that addresses the anticipated impacts on the channel and floodplain morphology, hydrology, and water quality? (III.G.2.e)		
Is the BMP(s) sized to treat the WQv associated with its drainage area using Equations 1 or Equation 3? (III.G.2.e)		
Does the BMP(s) meet the minimum or maximum drain time given in Tables 4a and 4b? (III.G.2.e)		
Does the BMP meet *Rainwater and Land Development* or other acceptable standards? (III.G.2)		
Are appropriate design calculations included? (WQv, Rv, storage capacity, drain times, etc.) (III.G.1.d)		
Does the SWP3 provide design details? (drainage area, capacity, elevations, outlet details, etc.) (III.G.1.d)		
Does the SWP3 include a stand-alone Operation and Maintenance plan in accordance with the permit? (III.G.2.e.i)		
Comments:		

Other Pollutant Controls	Yes	N/A
Does the SWP3 provide a description, installation timing, maintenance, and responsible party of BMPs to prevent the discharge of the following non-sediment pollutants to the drainage system, waters of the state, or an MS4:		
▪ Dewatering and groundwater control? (III.G.2.g)		
▪ Washout of concrete stucco, paint, and other materials? (III.G.2.g)		
▪ Fueling and maintenance of equipment or vehicles? (III.G.2.g)		
▪ Construction wastes and trash? (III.G.2.g)		
▪ Pesticides, herbicides, insecticides, and fertilizers? (III.G.2.g)		
▪ Diesel fuel, oil, hydraulic fluids, and other petroleum products? (III.G.2.g)		
▪ Hazardous or toxic chemicals? (III.G.2.g)		
▪ Sanitary waste? (III.G.2.g)		
Does the SWP3 indicate spill prevention and response measures? (III.G.2.g)		

Comments:

BMP Maintenance and Inspection	**Yes**	**N/A**
Is the SWP3 designed to minimize maintenance requirements? (III.G.2.h)		
Does the SWP3 include procedures that provide all BMPs are inspected once every 7 calendar days and after every ≥ 0.5-inch rain event per 24-hour period by the end of the next calendar day (excluding non-working weekends and holidays)? (III.G.2.i)		
Comments:		

Certification	**Yes**	**N/A**
Is the certification statement signed by the appropriate person as defined in Part V.G? (III.C.1) (V.G.1) (V.H)		
Does the SWP3 include certification that it complies with the requirements of the MS4's stormwater management program (if applicable)? (III.G.3)		
Does the SWP3 include a document for the signatures of all contractors and subcontractors involved in implementing the SWP3 acknowledging they reviewed and understand the SWP3? (III.E)		
Comments:		

Site Maps and Drawings	**Yes**	**N/A**
Do maps and drawings indicate the location and details of the following:		
Limits of earth-disturbing activity? (III.G.1.n.i)		
Soil types for all areas of the site? (III.G.1.n.ii)		
Existing ground contours and a delineation of drainage watersheds? (III.G.1.n.iii)		
Proposed ground contours and a delineation of drainage watersheds expected during and after grading? (III.G.1.n.iii)		
Locations of proposed buildings, roads, parking facilities, and utilities? (III.G.1.n.vii)		
Location of existing buildings, roads, parking facilities, and utilities? (III.G.1.n.vii)		
The limits of any riparian setbacks, conservation easements, or areas designated as open space, preserved vegetation or otherwise protected from earth-disturbing activities? (III.G.1.n.v)		
Surface water locations (springs, wetlands, streams, lakes, water wells) on or within 200 feet of the site? (III.G.1.n.vi)		
The boundaries of wetlands or stream channels the permittee intends to fill or relocate under approval from the Army Corps of Engineers and/or Ohio EPA? (III.G.1.n.vi)		
Drainage features including catch basins, culverts, ditches, swales, surface inlets, and outlet structures (new and existing)? (III.G.1.n.x)		
Areas of proposed floodplain fill or excavation? (III.G.1.n.xiii)		
Temporary or permanent stream crossings? (III.G.1.n.xiii)		
Permanent post-construction stormwater management practices (new and existing)? (III.G.1.n.x)		
All erosion and sediment control practices? (III.G.1.n.viii)		
Areas likely to require temporary stabilization during construction? (III.G.1.n.viii)		
The contributing drainage area of all sediment basins? (III.G.1.n.ix)		
Areas designated for the storage or disposal of solid, sanitary, and toxic wastes, including dumpster areas, areas designated for cement truck washout, and vehicle fueling? (III.G.1.n.xi)		
Construction entrances where the vehicles will access the site? (III.G.1.n.xii)		

Comments:

Forms	**Yes**	**N/A**
Does the SWP3 include a grading and stabilization activities log? (III.G.1.m)		
Does the SWP3 include a log of amendments after construction activities commence? (III.G.1.m)		
Comments:		

Appendix B – Portions of the Olentangy River Watershed	**Yes**	**N/A**
Does SWP3 clearly delineate the boundary of the required stream setback distances? (B-3)		
Are riparian setbacks delineated based on the required setback distances?		
▪ **For the mainstem of the Olentangy River**, a streamside buffer width of 100 feet per side and an outer buffer width sized to the regulatory 100-year floodplain.		
▪ **For perennial streams other than the Olentangy mainstem**, a streamside buffer of 80-feet per side and an outer buffer width sized to the regulatory 100-year floodplain or $W = 143DA^{0.41}$ if the regulatory floodplain is not established.		
▪ **For intermittent streams and jurisdictional ephemeral streams**, 30 feet per side?		
▪ Using the "Previously Modified Low Gradient Headwater Stream" option?		
Are stormwater conveyances within the buffer designed to minimize the width of disturbance? (B-3)		
Do controls avoid the impairment of the floodplain or stream stabilizing ability of the outer buffer?		
Is intrusion within the delineated setback boundary necessary to accomplish the purposes of a project? ☐ **Yes** ☐ **No** If yes, complete the following:		
▪ Does the SWP3 include the mitigation required for intrusion into the riparian setback in accordance with the three defined zones??		
▪ Is the mitigation designed to maximize the ecological function of the mitigation?		
▪ Is mitigation protected in perpetuity by a binding conservation easement or environmental covenant?		
Comments:		