

City of Columbus

Draft Stormwater Pollution Prevention Plan Review Checklist for Construction Activities

(Post-Construction stormwater control practices as described in OEPA's Construction Stormwater Permit are not covered by this checklist)

Project Name:		Drawing No.:	
Reviewer:		Date:	
Narrative and Notes			
	Item	Confirmed?	N/A
1.	State if watershed-specific Construction General Permit requirements for the Big Darby Creek or Olentangy River apply to this site		
2.	Copy of NOI and Ohio EPA Approval Letter		
3.	Ohio EPA Facility NPDES Permit number written on plan		
4.	Notice of Termination and notice to renew CGP coverage for improvements beyond scope of SWP3 (See Note 31)		
5.	Site information: <ul style="list-style-type: none"> • Name and location of the site • Preparation date, start date, and completion date 		
6.	Contact information for all site operators and persons responsible for updating SWP3 <ul style="list-style-type: none"> • All Site Operators, must include primary and secondary contact information at a minimum. <ul style="list-style-type: none"> ○ Name ○ Mailing address of onsite contact ○ Email address of onsite contact ○ Phone number for onsite contact • SWP3 Authorizing Agents, must include primary and secondary contact information at a minimum. <ul style="list-style-type: none"> ○ Name ○ Mailing address of onsite contact ○ Email address of onsite contact ○ Phone number for onsite contact ○ 		
7.	SWP3 modification instructions (See Note 29)		
8.	SWP3 modification for conversion of centralized temporary construction pollution prevention controls (See Note 38)		
9.	Description of the nature and type of construction activity		
10.	<ul style="list-style-type: none"> • Total area of site (acres) = • Disturbed Area (acres) = <ul style="list-style-type: none"> a. <i>Disturbed areas to include but are not limited to areas of clearing and grubbing, excavation grading, stockpiling, laydown, material storage, fueling and maintenance, utility construction, post-construction stormwater control practice installation etc.</i> b. <i>Disturbed acres specified on plans must match disturbed acres on NOI</i> 		
11.	Describe construction sequence, include phasing sequence for multi-phase projects		
12.	Information about water quality of stormwater discharge from the site		
13.	<ul style="list-style-type: none"> • Existing impervious area (acres) = 		

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	<ul style="list-style-type: none"> • New impervious area (acres) = • Total impervious area (acres) = • New / Total impervious area (%) = 		
14.	Soil characteristics: <ul style="list-style-type: none"> • Hydrologic soil groups present onsite include: <<List all that apply>> • Expected range of onsite soil particles 		
15.	Prior land use information of the site including any management of solid or hazardous waste		
16.	Describe condition of on-site streams (e.g. prior channelization, bed instability or headcuts, channels on public maintenance, or natural channels)		
17.	Name(s) or location(s) of the initial and subsequent surface water bodies receiving the storm water discharge		
18.	Extent and description of wetlands or other special aquatic sites at or near the site which will be disturbed and/or will receive the storm water discharges		
19.	If applicable, description of any stormwater discharges associated with dedicated asphalt and dedicated concrete plants covered by the NPDES construction storm water general permit		
20.	Implementation Schedule for the following construction operations: <ul style="list-style-type: none"> • Marking of preservation areas • Clearing and Grubbing • Construction of sediment settling pond (if applicable) • Installation of secondary control practices (i.e. inlet protection, perimeter controls, etc.) • Excavating • Grading • Utility and infrastructure installation • Post-construction <i>stormwater control practice</i> installation Describe how construction phasing will minimize amount of land disturbance at one time.		
21.	Stabilization practices consistent with stabilization Tables 1 and 2 from CGP		
22.	Temporary sediment control practices for areas remaining disturbed for more than 14 days (See Note 1)		
23.	Sediment basins and perimeter sediment barriers implementation prior to grading and within seven days from the start of grubbing (See Note 2)		
24.	Additional sediment controls or modifications for changing slopes and topography (See Note 32)		
25.	Prohibited use of structural sediment controls in streams (See Note 3)		
26.	Proof of 401/404 notification for work in surface waters (See Note 4) <ul style="list-style-type: none"> • Attach any 404 or 401 reference numbers 		

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27.	Does the SWP3 state that the disposal of solid and liquid wastes shall be in accordance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations? (See Note 33)		
28.	Prohibited disposal of toxic and hazardous wastes (See Note 5)		
29.	Coverage and containment of trash and wastes (See Note 6)		
30.	Non-contaminated clean, hard fill (See Note 24)		
31.	C&DD landfill disposal of construction & demolition debris (See Note 7)		
32.	OEPA notification and air pollution regulations for asbestos (See Note 8)		
33.	Spill Control and Countermeasures Plan (SPCC) (See Note 9) <ul style="list-style-type: none"> • SWP3 states when SPCC is required • Directs site operator to SPCC for spill and leak response 		
34.	Proximity of non-sediment activities to surface waters, storm sewers, and combined sewers (See Note 22)		
35.	Management of pumped water impounded over exposed soils, from tunneling operations or groundwater (See Note 10)		
36.	Offsite tracking (See Note 28)		
37.	Does site contain contaminated soils? How will contaminated soils be addressed? (See Note 12)		
38.	Reporting of releases or spills of 25 gallons or more of petroleum (See Note 13)		
39.	Prohibition on open burning (See Note 14)		
40.	Dust suppressant to be used. Prohibition of oil as dust suppressant (See Note 15)		
41.	OEPA notification and air pollution permits: mobile concrete batch plants, mobile asphalt plants, concrete crushers and large generators (See Note 16)		
42.	Prohibited discharges: wash water, leachate from onsite waste disposal and concrete washout activities to the City’s Municipal Stormwater Sewer System (MS4) or waters of the state. (See Note 17)		
43.	Was a PTI application submitted to Ohio EPA? <i>Applicable only for sanitary sewer and potable water line project only</i> (See Note 34)		
44.	Site inspection frequency and SWPPP update according to CGP (See Note 18)		
45.	Inspection requirements (See Note 19) <ul style="list-style-type: none"> • “Qualified inspection personnel” • Checklist • Records retention requirements 		
46.	SWPPP maintenance and timeframes to address deficient controls (See Note 20)		
47.	City approval requirement before removal or conversion of temporary construction pollution prevention controls (See Note 26)		
48.	Storm sewer cleaning requirements for unprotected inlets upstream of sediment settling ponds (See Note 37)		
49.	City notification requirements prior to land-disturbance (See Note 21)		

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50.	Table of Estimated Quantities for SWPPP items		
51.	SWPPP Certification note and signature line (See Note 25)		
52.	Log documenting grading, stabilization activities, inspection frequencies and dates and amendments to the SWP3 after land disturbing activities commenced.		
Drawings – Site Plan			
53.	Limits of earth-disturbing activity including associated off-site borrow or spoil areas that are not addressed by a separate NOI and associated SWP3		
54.	Location of associated asphalt and/or concrete batch plants and management practices		
55.	Location and limits of the Hydrologic Soil Groups, including locations of unstable or highly erodible soils and/or known contaminated soils.		
56.	Existing and proposed contours used to delineate drainage watersheds expected during and after major grading activities.		
57.	Size of watershed for each temporary construction pollution prevention control, in acres.		
58.	Surface water names and 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)		
59.	Identify streams or wetlands intended to be filled or relocated for which the permittee is seeking approval from the Army Corps of Engineers and/or Ohio EPA		
60.	Locations of existing and planned buildings, roads, parking facilities, and utilities		
61.	Locations of all temporary construction pollution prevention controls, including the location of areas likely to require temporary stabilization		
62.	<p>Locations of sediment settling ponds, sediment traps and storm water management basins, or alternative practices, noting their respective dewatering and sediment storage volumes and contributing drainage areas.</p> <ul style="list-style-type: none"> • See Table A in Standard Notes <i>Note that minimum 1,000 CF/acre of sediment storage volume may not apply if RUSLE Method used to calculate volume</i> • Confirm length to width ratio of sediment pond is a least 2:1 (4:1 recommended) • Sediment Removal Note (See Note 23) • Does skimmer device comply with the Rainwater and Land Development Manual? • Confirm that erosion control matting is provided from the normal pool elevation to the top of bank • Confirm implementation of safety measures for sediment settling ponds and sediment traps 		

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	<ul style="list-style-type: none"> ○ Alternatives practices where ponds would be in close proximity to areas that might attract children, e.g. schools, daycare centers, etc.) ○ (4:1 side slopes into 3 feet or deeper of water ○ Fencing and warning signs ● Confirm pond outfall designation by three-digit number (001, 002, 003, etc.) for sites located in the Big Darby Creek watershed. (See Note 30) ● Confirm that sediment settling pond does not conflict with a proposed permanent structural feature. If unavoidable, is there adequate staging to address how these features will be constructed while maintaining compliance with the OEPA Construction General Permit? ● Confirm that volume verification for sediment ponds and traps is addressed in the SWP3 (See Note 35) <ul style="list-style-type: none"> ○ Confirm that a blank <u>City of Columbus, Department of Public Utilities Sediment Settling Pond and Sediment Trap Volume Verification Form</u> is provided in the SWP3. 		
63.	Locations of measures to reduce flow rates on disturbed areas (check dams, riprap, etc.)		
64.	Locations of measures to divert flow around disturbed areas and steep slopes (stabilized swales, pipe slope drains, etc.)		
65.	Locations of perimeter controls including silt fence, straw wattles, compost socks, etc. 12" minimum diameter sediment barriers are required for alternatives to silt fence. Confirm that sediment barriers are only receiving sheet flow and that maximum drainage areas for every 100 feet of barrier comply with Table 3 in OEPA Construction General Permit.		
66.	Location of diversion practices (swales, dikes and berms) to protect disturbed areas and steep slopes <ul style="list-style-type: none"> ● Confirm drainage areas do not exceed 10 acres 		
67.	Locations of inlet controls for all stormwater and combined sewer inlets receiving flow from disturbed areas. <ul style="list-style-type: none"> ● Does inlet protection comply with the Rainwater and Land Development Manual and Columbus Land Disturbance Regulation? ● Inlets draining one or more acres must be tributary to a sediment settling pond 		
68.	Locations of permanent, post-construction <i>stormwater control practices</i>		
69.	Location of existing and planned drainage features including catch basins, culverts, ditches, swales, surface inlets, outlet structures and outfalls.		
70.	Location of practices to diffuse flow (e.g. level spreaders, buffers or infiltration basins) from temporary construction pollution prevention controls or post-construction stormwater control practices into wetlands		
71.	Locations of areas designated for:		

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	<ul style="list-style-type: none"> • Storage or disposal of solid, sanitary, and toxic wastes (including dumpster areas) • Recycling of used or unused hazardous materials, • Concrete truck washout or other concrete wash waters • Vehicle fueling and vehicle maintenance (see Note 36) • Mixing or storage of compounds such as fertilizers, lime, asphalt, or concrete <p>Are these areas located away from watercourses, drainage ditches, field drains, or other drainage areas?</p>		
72.	Does the SWP3 include measures for implementing good housekeeping practices and promote the use of protected storage areas for industrial or construction materials to minimize exposure of such materials to storm water?		
73.	Locations of designated construction entrances		
74.	Locations of in-stream activities <ul style="list-style-type: none"> • Floodplain fill • Floodplain excavation • Stream restoration • Stream re-alignment • Stream crossings (temporary and permanent) • Have efforts been made to limit stream disturbance and crossings? 		
75.	Boundaries of preservation areas and description of field delineation methods (fencing, signage, etc.) <ul style="list-style-type: none"> • Stream corridor protection zones • Riparian setbacks • Wetland protection areas • Vegetation/tree/forest preservation areas • Other areas that are to remain undisturbed during construction 		
76.	Location of any FEMA designated floodway and floodplain boundaries		

Drawings – Details

77.	Detail drawing of a typical individual lot with temporary construction pollution prevention controls shown		
78.	Concrete washout		
79.	Construction entrances		
80.	Stream work <ul style="list-style-type: none"> • Streambank work requires non-erodible pad or stream diversions • Stream crossings require non-erodible crossings 		
81.	Pumping detail and note (also see Note 11)		
82.	Saw-cutting detail (also See Note 27)		
83.	Perimeter controls <ul style="list-style-type: none"> • Silt fence • Straw wattles 		

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	<ul style="list-style-type: none">• Compost socks		
84.	Sediment pond outlet structure(s), risers, skimmers		
85.	Temporary or permanent SCPZ fencing or signage		
86.	Inlet protection <ul style="list-style-type: none">• The use of hay or straw bales is prohibited		