



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER**



SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-10-001)

Stormwater Pollution Prevention Plan Review Checklist

| | | |
|-----------------|-------------------------|--|
| Project Name: | Basic SWPPP (E&SC Plan) | Full SWPPP |
| Site Address: | Municipality: | Reviewer: |
| | County: | |
| Owner/Operator: | Phone: | Date: |
| Address: | Fax: | SPDES General Permit ID Number: NYR10 |

SWPPP Deficiencies as checked below:

- 1) Owner/Operator name, legal address, phone number and email; site address and municipality
- 2) Copy of signed Notice of Intent (NOI)
- 3) Signature of SWPPP Preparer on NOI (must be a Professional Engineer for SWPPPs with engineered practices)
- 4) Contractor (and subcontractors if applicable) certification statement(s) [Part III.A.6. of GP-0-10-001]
- 5) MS4 SWPPP Acceptance Form (for projects located in regulated MS4s)
- 6) Map from Office of Parks, Recreation and Historic Preservation showing project location and sensitive area (grey zone) boundaries
- 7) Letter and map from NYS OPRHP describing measures to mitigate the project's effect on archeologically or historically sensitive areas

Comments:

Existing and proposed mapping and plans (recommended scale of 1" = 50') which illustrate at a minimum:

SWPPP Deficiencies as checked below:

- 1) Existing and proposed topography (minimum 2-foot contours recommended)
- 2) Vicinity map showing project boundaries and receiving water(s)
- 3) Mapping and description of soils from USDA Soil Survey, including hydrologic soil group, as well as location of any site-specific borehole investigations that may have been performed
- 4) Boundaries of existing predominant vegetation and proposed limits of clearing
- 5) Location and boundaries of resource protection areas such as wetlands, lakes, ponds and other setbacks (e.g. stream buffers, drinking water well setbacks, septic setbacks)
- 6) Boundaries and acreages of Runoff Reduction Planning Practices (conservation areas, undisturbed areas, buffers, etc.)
- 7) Location of existing and proposed roads, lot boundaries, buildings and other structures
- 8) Location and size of staging areas, equipment storage areas, borrow pits, waste areas and concrete washout areas
- 9) Existing and proposed utilities (e.g. water, sewer, gas, electric) and easements
- 10) Location of perennial and intermittent streams; boundary and acreage of upstream watershed
- 11) Location and flow paths of existing and proposed conveyance systems such as channels, swales, culverts and storm drains
- 12) Location of floodplain/floodway limits
- 13) Location, size, maintenance access and limits of disturbance of proposed temporary and permanent stormwater management and erosion and sediment control practices, including timing and duration of temporary practices
- 14) Location and dimensions of proposed channel modifications, such as bridge or culvert crossings
- 15) Plans stamped and signed by qualified professional (must be a licensed professional on plans with engineered practices)

Comments:

Erosion and Sediment Control Plans and Vegetative Measures:

SWPPP Deficiencies as checked below:

- 1) Description of temporary and permanent structural and vegetative measures for soil stabilization, runoff control and sediment control for each stage of the project from initial land clearing and grubbing to project close-out
- 2) Material specifications, dimensions, installation details and operations and maintenance requirements for erosion and sediment control practices, including the location and sizing calculations for any temporary sediment basins
- 3) Site map/construction drawing(s) showing the specific locations, sizes, and lengths of each erosion and sediment control practice
- 4) Identification of any design elements not in conformance with the *New York Standards and Specifications for Erosion and Sediment Control*, reason for the deviation or alternative design, and demonstration that the alternative is equivalent to the technical standard
- 5) Inspection and Maintenance schedule to ensure continuous and effective operation of the erosion and sediment control practices, in accordance with the *New York Standards and Specifications for Erosion and Sediment Control*
- 6) Description of structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable

- 7) Construction phasing plan and sequencing plan describing the intended sequence of construction activities, including clearing and grubbing; excavation and grading; implementation, timing and duration of temporary and permanent erosion and sediment control practices; installation of utilities and infrastructure; any other soil disturbing activity; and acreage to be disturbed in each phase
- 8) Final landscaping plans for structural stormwater management practices and any reforestation or revegetation
- 9) Description of pollution prevention measures to control construction litter, construction chemicals and debris
- 10) Description and location of any stormwater discharges associated with industrial activity other than construction at the site, including but not limited to, stormwater discharges from asphalt plants and concrete batch plants on the construction site

Comments:

For construction activities listed in Table 2 of Appendix B of GP-0-10-001:

Hydrologic and hydraulic analysis for all structural components of stormwater system (e.g. storm drains, open channels, swales, stormwater management practices, manufactured treatment systems, etc.) for applicable design storms including:

SWPPP Deficiencies as checked below:

- 1) Existing and Proposed condition analyses for time of concentrations, runoff rates, volumes, velocities, water surface elevations and routing showing methodologies used and supporting calculations
- 2) Channel Protection Volume and detention time calculations
- 3) Comparison summary of post-development stormwater runoff conditions with pre-development conditions for 1-year, 10-year, 100-year design storms in accordance with the *New York State Stormwater Management Design Manual*
- 4) Stormwater management practice sizing calculations using the Enhanced Phosphorus Removal Standards (TMDL watersheds)
- 5) Water Quality and Runoff Reduction volume calculations; documentation of Runoff Reduction practices and their treatment volumes
- 6) Infiltration/percolation tests, where required; or logs of borehole investigations and supporting geotechnical report

Comments:

Representative cross-section and profile drawings and details of structural stormwater management practices and conveyances (e.g. storm drains, open channels, swales, etc.) which include:

SWPPP Deficiencies as checked below:

- 1) Existing and proposed structural elevations (e.g. invert of pipes, manholes, etc.)
- 2) Construction drawing(s) identifying the specific locations and sizes of each post-construction stormwater control practice
- 3) Description, dimensions, material specifications and installation details for each post-construction stormwater control practice, including outlet structures, embankments, spillways, settling basins, grade control structures, conveyance channels, etc.
- 4) Construction drawing(s) showing locations of Runoff Reduction practices; and design, material specifications and installation details

Comments:

SWPPP Deficiencies as checked below:

- 1) Post-construction maintenance schedule to ensure continuous and effective operation of each post-construction stormwater control practice, including monitoring and maintenance frequency, identification of responsible parties, description of applicable easements, vegetative requirements, access and safety issues, and testing and disposal of sediments as they are removed
- 2) Weekly or twice-weekly inspection checklist identifying measures to be inspected by a qualified site inspector
- 3) Request to disturb greater than five acres at any given time including justification for disturbance, additional erosion and sediment control measures to mitigate disturbance, phasing plan, cuts and fills plan, and total acreage to be disturbed in each phase
- 4) Documentation of downstream analysis or discharge to fifth-order stream to request waiving control of Channel Protection Volume, Overbank Flood Control or Extreme Flood Control
- 5) Identification of any stormwater management practices that deviate from the *New York State Stormwater Management Design Manual*, reason for the deviation and demonstration that the alternative practice or deviation is equivalent to the technical standard

Comments: