

A **Stormwater Pollution Prevention Plan (SWPPP)** shall be prepared to address construction activities associated with the site clearing, preparation and construction of the Gateway Project located at 6840 Crosby Road within the Science & Technology Advanced Manufacturing Park (STAMP) in the Town of Alabama, Genesee County, New York. This dynamic document will be amended, as necessary, to reflect any changes occurring as part of the construction process.

The SWPPP will be prepared in conformance with the requirements set forth in the *New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity* Permit No. GP-0-20-001, the *Final Generic Environmental Impact Statement for STAMP*, the *New York State Environmental Quality Review Act Lead Agency Findings Statement for STAMP* and the *Genesee County Economic Development Center STAMP Land Management Plan*.

In the initial conceptual site plan a stormwater management pond is located along the northern edge of the site as a buffer between the developed area of the site and the wetland/creek along the northern border. This pond will create no adverse impacts to the waterway within 100’.

The SWPPP will be prepared to address:

1. Impacts to surface water quality caused by soil erosion and sedimentation during construction and immediately following construction.
2. Post-construction increases in stormwater runoff.
3. Stormwater pollution caused by the use of the site after construction is complete.
4. Green Infrastructure per NYSDEC Phase 2 permit requirements.

The SWPPP will address the design, installation and maintenance of effective erosion and sediment controls to minimize the discharge of pollutants and prevent a violation of the water quality standards. At a minimum, such controls will be designed, installed and maintained to:

- (i) Minimize soil erosion through application of runoff control and soil stabilization control measure to minimize pollutant discharges;
- (ii) Control stormwater discharges, including both peak flowrates and total stormwater volume, to minimize channel and streambank erosion and scour in the immediate vicinity of the discharge points;
- (iii) Minimize the amount of soil exposed during construction activity;
- (iv) Minimize the disturbance of steep slopes;
- (v) Minimize sediment discharges from the site;
- (vi) Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce pollutant discharges, unless infeasible;
- (vii) Minimize soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted; and
- (viii) Unless infeasible, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover.

- (ix) Minimize dust. On areas of exposed soil, minimize dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.

A complete copy of the SWPPP shall be kept on site throughout the duration of the project.

The permittee will be responsible to comply with the requirements and conditions as described in the SWPPP and in the *New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity* Permit No. GP-0-20-001.

The following shall be included in the preparation of the SWPPP:

1. Drainage Calculations for the design of the stormwater management system.
2. A copy of the *New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity* Permit No. GP-0-20-001.
3. A copy of the signed and filed Notice of Intent.
4. Contractor Certification Forms.
5. Project Drawings including the Erosion and Sediment Control Plan

The SWPPP will:

- Provide background information about the scope of the project.
- Provide Owner/Operator contact information.
- Provide a statement of stormwater management objectives.
- Describe proposed structural and vegetative stormwater measures to ensure that the quantity, temporal distribution, and quality of stormwater runoff during and after development are not substantially altered from pre-development conditions.
- Identify the type and frequency of maintenance required by the stormwater management and erosion control facilities utilized.
- Include minimization and mitigation measures consistent with the 2012 *Final Generic Environmental Impact Statement* for STAMP. The following best management practices shall be implemented at the project site to avoid and minimize potential impacts to soils in adjacent undisturbed areas to the maximum extent practicable:
  - Temporary erosion and sedimentation controls such as silt fences and hay bales will be installed at the perimeter of the construction area and around any wetland and other waters of the United States that are to remain undisturbed.

- Silt fences will be monitored regularly and reinforced with hay bales in areas where white water flow is observed to be concentrated.
- When feasible, excavated native soils will be used elsewhere on the Project Site for filling and berm construction where appropriate.
- Stockpiled soils will be maintained inside the construction area and may be encircled with silt fences as needed.
- In wetland areas, the top 6 to 12 inches of hydric soils will be segregated and stockpiled. Once the construction activities are complete, the soils will be replaced in the original layer.
- Sediment traps will be constructed where necessary to impound storm water and allow for the settlement of suspended soils. Water will dissipate gradually from sediment traps to minimize the potential for erosion.
- Rip/rap aprons will be established at the outlets of all storm water pipes to dissipate the water's energy and minimize scour.
- Temporary erosion and sediment controls will be monitored regularly and required as needed. Erosion and sediment controls will be maintained until soils are stabilized.
- All disturbed areas on-site will be stabilized, seeded and mulched. Stabilization will include final grading and the placement of erosion controls as needed. The Natural Resource Conservation Service will be contacted before commencement of the Project to obtain recommendations on appropriate seed mixtures, soil amendments and mulch to be used on-site.

The SWPPP document and the Erosion and Sediment Control Plan will be developed in conformance with the current NYSDEC Stormwater Management Design Manual and the NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book).

Items to be addressed in the SWPPP include, but are not limited to, the following:

- A. SOILS INFORMATION
- B. STORMWATER MANAGEMENT

A review of potential stormwater management practices for the site will include:

- Preservation of undisturbed areas;
- Protection and enhancement of existing wetlands;
- Preservation of vegetated buffers along waterways, wetlands and property boundaries;
- Locating development in the least sensitive areas and avoiding aquatic resources to the greatest extent possible;
- Restoration of soil properties and porosity;
- Development of stormwater ponds, vegetated swales and a collection system; and
- Other green infrastructure techniques including porous pavement, rain gardens, bio-retention areas and green roofs.

The stormwater management practices selected for the site will comply with the technical standards outlined in the NYSDEC Stormwater Management Design Manual, including the following:

- Water Quality Volume ( $WQ_v$ ) and Green Infrastructure Techniques to control the quality and flow-rate of stormwater runoff from a developed site
- Runoff Reduction Volume ( $RR_v$ ) to control the volume of runoff from a developed site
- Stream Channel Protection Volume Requirements ( $Cp_v$ )
- Overbank Flood Control Criteria ( $Q_p$ )
  - Extreme Flood Control Criteria ( $Q_f$ )

C. ARCHAEOLOGICAL AND HISTORIC RESOURCES

D. ENVIRONMENTAL ISSUES

E. EROSION AND SEDIMENT CONTROL PLAN

- Temporary Erosion and Sediment Control Measures
- Permanent Erosion and Sediment Control Measures
- Sequence of Construction and Erosion Control Installation including BMP's to ensure protection of the environment and other site and regional assets.
- Construction Site Wastes
- Prevention of and Response to Spills of Pollutants
- Discharges Associated with Industrial Activity
- Restoration of All Disturbed Areas
- Protections from Impacting Tonawanda Seneca Nation Land and Resources

F. INSPECTIONS AND MAINTENANCE

- General Construction Site Inspection and Maintenance Requirements
- Contractor Maintenance Inspection Requirements
- Qualified Inspector Inspection Requirements

POST-CONSTRUCTION OPERATION AND MAINTENANCE  
OWNER/OPERATOR CERTIFICATION STATEMENT