

## **ATTACHMENT H: Storm Water Pollution Prevention Plan (SWPPP) Requirements**

1. The Storm Water Pollution Prevention Plan (SWPPP) shall include any and all information needed to demonstrate compliance with all requirements in Section VII, Project Planning Requirements of the General Permit.
2. Project Description and Map
  - a. The SWPPP shall include a narrative description of pollutant sources and Best Management Practices (BMPs) that cannot be adequately communicated or identified on the site map.
  - b. The SWPPP shall include a narrative description of preconstruction control practices to reduce sediment and other pollutants in storm water discharges.
  - c. The SWPPP shall specify the construction site surface area: the size (in acres or square feet), the runoff coefficient before and after construction, and the percentage that is impervious (e.g., paved, roofed, etc.) before and after construction.
  - d. The SWPPP shall include a copy of the Notice of Intent (NOI) and the Waste Discharge Identification (WDID) number. The WDID number shall be added to the SWPPP when it is received.
  - e. The SWPPP shall include a construction activity schedule that describes all major activities or construction stages at the site, the proposed time frame to conduct those activities, and the subsequent changes made to the Good Housekeeping BMPs.
  - f. The SWPPP shall include a vicinity map and project site map(s). The project site map(s) shall do all the following:
    - i. Show the locations of any direct discharge from the construction site into water body or to a conveyance that discharges into a water body and show the designated sampling locations (at least one per drainage area).
    - ii. Outline all inactive areas of soil disturbance including cut or fill areas, which will be stabilized by temporary or permanent erosion control measures for all phases of construction.
    - iii. Outline all active areas of soil disturbance, cut, or fill.
    - iv. Show the locations of all runoff control BMPs.
    - v. Show the locations of all erosion control BMPs.

- vi. Show the locations of all sediment control BMPs.
- vii. If applicable, show the location of the ATS and the sediment basin(s)/treatment cell(s) location(s) on the site.
- viii. Show the locations of all authorized and/or unauthorized non-storm water discharges.
- ix. Show the drainage areas into each on-site storm drain inlet and eventual receiving water.
- x. Show the location of sensitive habitats, watercourses or other features, which are not to be disturbed.
- xi. Show the locations of all post-construction BMPs.
- xii. Show areas designated for the storage of soil or waste, vehicle storage and service areas, construction material loading, unloading, and access areas, equipment storage, cleaning, and maintenance areas, storage of landscaping materials, fueling areas, and areas used to store and transfer water for compaction and dust control.

### 3. Erosion Control

- a. The SWPPP shall include a proposed schedule for the implementation and maintenance of erosion control measures and a description of the erosion control practices, including appropriate design details and a time schedule. The discharger shall consider the full range of erosion control BMPs. The discharger shall consider any additional site-specific and seasonal conditions when selecting and implementing appropriate BMPs.
- b. The SWPPP shall include a description of the BMPs to reduce wind erosion at all times for the areas of active construction, with particular attention paid to stockpiled materials.

### 4. Runon and Runoff Controls

- a. The SWPPP shall include calculations for anticipated runon, and describe, including appropriate design details, all BMPs implemented to divert off-site drainage around or through the construction project.
- b. The SWPPP shall include a location of any diversion conveyance system and a description of materials used.

- c. The SWPPP shall include information on contamination or pollution of diverted storm water, if there is information that it may be polluted.
- d. The SWPPP shall include the volume and velocity of the discharge from the conveyance. The volume and velocity of the discharge shall not exceed the carrying capacity of the receiving water, and velocity dissipation at the outfall may be required.

## 5. Sediment Controls

- a. The SWPPP shall include a copy of the results from the particle size analysis. In addition, the SWPPP shall include the percentage of particles less than 0.02 mm in diameter.
- b. The SWPPP shall include a proposed schedule for deployment and maintenance of sediment control BMPs.

## 6. Sediment Tracking

- a. The SWPPP shall include a description and location of BMPs designed to discourage sediment tracking activities; include measures to restrict traffic on disturbed lots and areas to minimize the tracking of sediment onto paved streets.
- b. The SWPPP shall specify daily or more frequently as necessary, inspection, sweeping, and/or vacuuming procedures for public and private roads; maintain sampling records; include a discussion of maintenance of such stabilized construction entrances.

## 7. Good Housekeeping

- a. The SWPPP shall include a narrative assessment of all areas of construction activity and potential construction pollutant sources which are likely to occur at the construction site and a description of each BMP implemented at the construction site. BMPs should be included to minimize or eliminate the exposure of storm water to construction materials, equipment, vehicles, waste storage areas, and service areas.
- b. The BMP narrative description shall include, for each BMP:
  - i. The type of pollutants the BMP is designed to reduce or prevent.
  - ii. The frequency, time(s) of day, or conditions when the BMP is scheduled for implementation.
  - iii. Identification of the individual and/or position responsible for implementing the BMP.

- iv. The procedures (including maintenance procedures) and/or instructions to implement the BMP.
- v. The equipment and tools necessary to implement the BMP, and,
- vi. Appropriate design details for the BMP.

#### 8. Authorized Non-Storm Water Management

- a. The SWPPP shall include a description of all authorized non-storm water discharges to receiving waters that are proposed for the construction project.
- b. The SWPPP shall describe why it is infeasible to eliminate each authorized non-storm water discharge.
- c. The SWPPP shall include an explanation of the technical basis used to select control measures for authorized non-storm water discharges.
- d. The SWPPP shall include a description of the technology to be used to filter or treat authorized non-storm water dewatering discharge from sediment basin(s) or trap(s) and shall identify the location of the discharge in the SWPPP.
- e. The SWPPP shall include the name and contact number of the qualified individual assigned the responsibility for ensuring that no materials other than storm water or authorized non-storm water discharges are discharged to receiving waters or storm drain systems.

#### 9. Materials Handling

- a. The SWPPP shall describe elements of the site that may contribute pollutants to storm water, (e.g., toxic materials that are known to have been treated, stored, disposed, spilled, or leaked onto the construction site, and any geologic materials present, such as cinnabar and serpentinite).
- b. The SWPPP shall describe the BMPs implemented to minimize the exposure of storm water to contaminated soil or toxic materials.
- c. The SWPPP shall list the materials to be used or produced during the construction activity.
- d. The SWPPP shall describe the BMPs for control of discharges from waste handling and disposal areas and methods of on-site storage and disposal of construction materials and construction waste.

- e. The SWPPP shall describe the BMPs designed to minimize or eliminate the exposure of storm water to construction materials, equipment, vehicles, waste storage areas, concrete wash-out areas, or service areas.
- f. The SWPPP shall describe the BMPs designed to minimize any contact between landscaping materials and storm water.
- g. The SWPPP shall describe the BMPs (both preventative and responsive) for addressing hazardous and non-hazardous waste and spills.

#### 10. New Development and Re-development Storm Water Performance Standards

- a. The SWPPP shall include the calculations used to demonstrate compliance with the standards listed in Section VIII.H. of the General Permit.
- b. The SWPPP shall include a description of the operation and maintenance of control practices that will be used after construction is completed, including short and long term funding sources and the responsible party.
- c. The SWPPP shall include all appropriate plans, calculations, design details, and narrative description necessary to demonstrate the project has met the General Permit's storm water treatment and runoff reduction requirements (Section VIII.H).

#### 11. Training and Qualifications

- a. The SWPPP shall include documentation of all training for listed individuals responsible for SWPPP preparation, implementation, and permit compliance.
- b. The SWPPP shall include documentation of all training for listed individuals responsible for BMP installation, inspection, maintenance, and repair.
- c. The SWPPP shall include documentation of all training for listed individuals responsible for overseeing, revising, and amending the SWPPP.