

APPENDIX B - EROSION PREVENTION AND SEDIMENT CONTROL PLAN REQUIREMENTS

1. General Requirements

An Erosion Prevention and Sediment Control Plan (EPSC Plan) that meets the requirements of this general permit must be submitted with a Notice of Intent (NOI) for moderate risk projects. The goal of the EPSC Plan is to provide the On-Site Plan Coordinator (OSPC) and construction site personnel with a thorough strategy tailored to the site and project for preventing erosion and containing eroded sediment on-site. The EPSC Plan must adhere to *The Vermont Standards and Specifications for Erosion Prevention and Sediment Control* (the Standards), and this permit, and must satisfy the requirements listed below. The Secretary may promulgate a standard EPSC Plan submission format.

Each EPSC Plan shall contain, at a minimum:

1. Project Description

An overview of the proposed project. This may be in narrative or point form, may include tables or figures, and must include:

- a. The type of project (e.g., residential subdivision, town road, commercial building, etc.);
- b. A description of the major project components and the anticipated earth disturbance associated with each (e.g. roads, utilities, number of buildings, etc.);
- c. The total acreage of proposed earth disturbance;
- d. The intended sequence and timing of major project components that disturb soils at the site;
- e. The proposed pollution prevention strategies that will minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use);
- f. The maximum concurrent earth disturbance used to score this project in Appendix A;
- g. The use of vegetated buffers, if any, used to score this project in Appendix A;
- h. The name of the receiving water(s), the number of discrete discharge points where collected stormwater flows are discharged from the construction site to the receiving water(s), the proximity of the proposed earth-disturbing activities to each of these discharge points, and a description of how

stormwater flows from the construction site to the discharge point (e.g. vegetated swale, culvert, storm sewer). If no discrete discharge points, a description of the length, slope, and vegetative cover of the shortest overland flow path to receiving water from the limits of the proposed disturbance;

- i. The number of proposed stream crossings and whether a stream alteration permit is being obtained;
- j. The area of wetlands and wetland buffers that will be impacted by the proposed activities, their type, and whether a state wetlands permit or Army Corps of Engineers permit is being obtained for wetland impacts;
- k. A site-specific dewatering plan (if applicable) which shall include the minimum proposed distance to surface waters, a requirement that dewatering take place from the surface of any impoundments (unless infeasible), spoils disposal area (if applicable), detail/typical of dewatering structure, and any other aspect as so requested by the Secretary;
- l. The need for off-site waste or borrow areas, if any, the anticipated amount of borrow or waste material to be transported, the nature of the material, and how these will be permitted (i.e. permitted as a part of the current Notice of Intent (NOI) or under a separate NOI);
- m. A statement about whether earth disturbing activities are anticipated during the winter construction period (October 15 through April 15), the nature of these activities, the area of disturbance associated with these activities, and whether the EPSC Plan incorporates BMPs according to the Standards applicable to the winter construction period; and
- n. A copy of the inspection form to be used by the OSPC in their weekly inspection (a copy of a form provided by the Secretary, if available, is sufficient if it will be utilized by the OSPC).

2. Location Map

A location map, in the form of a topographic map, or aerial image if a topographic map is unavailable, extending one mile beyond the property boundaries of the activity, providing:

- a. sufficient information to determine the location of the project and the receiving water; and
- b. as applicable for an existing facility, the location of:
 - i. The facility and each of its intake and discharge structures;
 - ii. Hazardous waste, treatment, storage, or disposal facilities;
 - iii. Wells, springs, other surface waters, and drinking water wells listed in public records or otherwise known to the applicant in the map area.

3. Pre-Construction Plan / Existing Conditions

A map or maps of the proposed construction area and plan including the following information:

- a. The limits of the construction site including the proposed limits of disturbance, and the methods for their demarcation in the field;

- b. Existing contours based on site survey for the construction site and existing contours based on site survey or USGS topographical maps for the surrounding area 300 feet outside of the limits of disturbance;
 - c. Existing water and drainage features (e.g. streams, ponds, wetlands, channels, gullies, etc.).
 - d. Existing vegetation;
 - e. Location of soil types corresponding to NRCS Soil Maps;
 - f. All sediment control measures (e.g. silt fence, sediment or dewatering basins, etc.) to be installed ahead of primary earth disturbance activities;
 - g. Directions to complete installation of sediment control measures ahead of initiating the principal earthwork activities;
 - h. Directions to complete stabilization of operational stormwater treatment practices before directing runoff to them, unless utilized during construction as sediment control measures, in which case directions for ensuring these features are modified and stabilized as necessary prior to construction completion such that operational stormwater treatment practices will meet applicable design requirements for the treatment and control of post-construction stormwater runoff;
 - i. Identified buffers or setbacks from water bodies and conveyances to water bodies, with directions for avoiding impacts in these areas;
 - j. North arrow and scale;
 - k. A legend for all EPSC measures and all other features (e.g. wetlands, streams, property lines, etc.) included on the plan; and
 - l. Date of last plan revision, name of plan designer, and name of plan.
4. Construction Plan

The Construction Plan shall include all information related to erosion prevention as well as sediment control measures to be implemented during the construction activity. These must be consistent with limits specified on the Notice of Intent and completed Appendix A (e.g. vegetated buffer, limited concurrent disturbance, stabilization schedule). It must include, where applicable:

- a. Property lines of the project;
- b. The proposed phase boundaries and sequencing of EPSC measures within each phase, the order of phases to be constructed, and the required items to complete before initiating the subsequent phase (e.g. complete stabilization of the prior phase);
- c. The limits of disturbance;
- d. Identified buffers or setbacks from water bodies and discrete conveyances to water bodies, with directions for avoiding impacts in these areas;
- e. Specific directions for limiting concurrent earth disturbance;
- f. Existing and proposed contours;
- g. Location of all erosion prevention measures;
- h. Location of all sediment control measures to be installed during the construction phase as well as sediment control measures implemented in the pre-construction phase;

- i. Construction details for each practice proposed, which shall include all applicable notes regarding the installation and maintenance of said practice;
- j. Consistent with the completed Appendix A, directions for stabilization of a given area within 14 days following initial disturbance: “All areas of earth disturbance must have temporary or final stabilization within 14 days of the initial disturbance. After this time, disturbed areas must be temporarily or permanently stabilized in advance of any runoff producing event.”;
- k. A plan for dewatering activities, if anticipated, including the location of dewatering discharges consistent with this permit;
- l. Directions and location of practices employed for construction during the winter construction period (October 15 through April 15), consistent with the Standards applicable to the winter construction period, if earthwork during this period is anticipated;
- m. The location of all existing and proposed structures (roads, utilities, buildings, drainage inlets, etc.);
- n. The location of all proposed stockpiles and directions for stabilizing and protecting stockpile areas consistent with the Standards;
- o. The location of all proposed staging areas;
- p. Directions for inspection frequency consistent with the permit;
- q. North arrow and scale;
- r. A legend for all EPSC measures and all other features (e.g. wetlands, streams, property lines, etc.) included on the plan; and
- s. Date of last plan revision, name of plan designer, and name of plan.

5. Stabilization Plan

The Stabilization Plan shall convey to contractors all the information necessary to implement temporary and final stabilization for the entire construction site. It shall include the following, consistent with the Standards:

- a. Property lines of the project;
- b. Finish grade contours;
- c. The location of all structures, existing and proposed;
- d. Temporary stabilization measures required for all areas of disturbance consistent with the completed Appendix A,
- e. Final stabilization measures required for all areas of disturbance where structures are not installed, including areas requiring stone, rolled erosion control products, hydromulching, seeding and mulching, etc.;
- f. Specifications for seed mixes, fertilization, and other soil amendments for areas to be stabilized with vegetation;
- g. Directions for completing seeding after April 15 and before September 15 for areas where final stabilization is not scheduled to occur prior to the winter construction period;
- h. Directions to remove all temporary erosion and sediment control practices within 30 days of achieving final stabilization;

- i. Directions for inspection frequency consistent with the permit, including an indication of when inspections may be discontinued;
- j. A legend for all EPSC measures included on the plan;
- k. Date of last plan revision, name of plan designer, and name of plan; and
- l. North arrow and scale.

2. Special Requirements for Linear Projects

- A. Requirements 1-5 in section 1 above also apply to linear projects such as roads, pipelines, and utility installations, except that:
 1. The Pre-Construction Plan, Construction Plan, and Stabilization Plan may be combined into one plan.
 2. A Phasing Plan shall be developed in accordance with *The Vermont Standards and Specifications for Erosion Prevention and Sediment Control*.
 3. The location of all staging areas away from the project shall be shown with appropriate EPSC measures and accompanying location map.