

Maintenance Advisory

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Guidelines for Soil Erosion and Sedimentation Control

Purpose:

The purpose of this document is to provide statewide consistency and guidance for the development of Earth Change Plans (ECPs), the use of Soil Erosion & Sedimentation Control (SESC) measures, SESC inspections, record keeping, additional permit requirements, and permanent site stabilization. In addition, MDOT is an Authorized Public Agency (APA) under Part 91 of NREPA, and this Advisory will assist maintenance personnel with all requirements to help ensure MDOT's continued Authorized Public Agency (APA) status.

As an APA, preparation, and approval of individual project specific SESC permits is not required. In return, MDOT accepts responsibility for enforcement of our SESC program and the procedures to comply with SESC regulations. MDOT's SESC Manual is the document that contains the procedures MDOT must follow to be compliant with Part 91 and maintain our APA status.

It is important that all maintenance personnel support the Department's commitment to minimize soil erosion and off-site sedimentation. This is accomplished by compliance with this Advisory and the procedures in MDOT's SESC Manual. The Michigan Department of Environment, Great Lakes, and Energy (EGLE) audits MDOT's APA program every five years. These audits include a review of MDOT maintenance activities, including a records review and inspection of active projects, and are used to determine continued APA status.

Detailed information related to all of these topics can be found in the Soil Erosion & Sedimentation Control Manual.

When are SESC Measures Needed?

SESC measures are required for all maintenance activities involving earth disturbances. Maintenance activities such as culvert extensions/repair, headwall replacement, end section removal/replacement, riprap replacement, and slope restoration all require Earth Change Plans (ECPs).

Earth Change Plans (continued) ECPs are required for work that includes earth disturbance activities. Staff preparing ECPs are required to have the SESC Plan Review and Design certification. Per our approved MDOT SESC Manual all TMCs, TMSs, and TMW 9s are generally required to have Construction Stormwater Operator certifications. .

ECPs require the following:

- Scaled drawing of the work site including:
 - Map with scale 1" = 200' or less
 - Predominate land features
 - Contour intervals or slope descriptions
 - Physical limits of the earth change
 - Drainage and dewatering facilities (including roadside ditches)
 - Show the location and description of all temporary & permanent control measures
 - Proximity of any proposed earth change to lakes and/or streams
 - Description of soil types
 - Timing and sequence of proposed earth change
 - Maintenance plan or both temporary and permanent control measures
 - Description for installing and removing all temporary SESC measures
 - Description of all proposed permanent measures

MDOT has prepared templates that can be used to assist in the development of ECPs for the maintenance activities for the types of maintenance activities. These plans can be found in the ProjectWise folder [Maintenance Activity Earth Change Plan Docs](#)

(MDOTProjectWise\Documents\Bay Region\Regionwide Maintenance\Maintenance Activity Earth Change Plan Docs\)

A more complete description of best management practices (BMPs) is outlined in Section 6 of the MDOT SESC Manual titled SESC Measures (E & S Details).

NOTE: Ditch cleanout & check dam maintenance must be completed in accordance with Maintenance Activity #1230. This work does not require an individual ECP if the procedures in this maintenance activity are followed.

Notifications:

While MDOT is not required to obtain individual SESC permits for its projects, notification to the county or municipal enforcing agencies (CEAs or MEAs) must be made for any earth disturbances activities, including ditching. If you are unsure of which agencies are in the area of your project, contact your Region Resource Specialist.

Inspections:

At a minimum, inspection of all SESC measures and devices must be completed once every seven days and within 24 hours after every precipitation event that results in a discharge from the right-of-way (ROW). Inspections should be documented using MDOT Form 1126 and should be completed by a Certified Stormwater Operator. Any necessary corrections must be made within five days of the inspection, or within 24 hours if sediment has entered a waterbody or wetland. For questions related to the required certification or site inspections, please contact your Region Resource Specialist.

Record Keeping:

ECPs and SESC inspections (1126 forms) must be kept for three years.

Additional Permits:

Work occurring within 500 feet of watercourse (surface water, lakes, rivers, streams, wetlands, etc.) or disturbances greater than five acres may require a Part 301 or Part 303 permit. It may also require a NPDES Notice of Coverage (NOC). Contact your Region Resource Specialist with questions related to the need for additional permits.

Permanent Site Stabilization:

A site is considered permanently stabilized when all permanent control structures have been installed, maintenance for the permanent controls has been arranged, vegetation is well established, and temporary controls have been removed. Site inspections should continue until the site is permanently stabilized.

Resources for Choosing SESC Measures:

Region Resource Specialists (Metro Region Contact Region Soils Engineer)

MDOT's SESC Manual: [MDOT SESC Manual](#)
[Final EGLE approved 6_14_2021 \(michigan.gov\)](#)