

Erosion Control

Contact

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Office of Environmental Stewardship Web Site: [Erosion control](#)

Primary OES contacts for each district

District	Environmental Services	Phone #
1, 4, & Metro	Dwayne Stenlund	651- 366 - 3625
2, 6, & 8	Lori Belz	651 - 366 - 3607
3 & 7	Ken Graeve	651 - 366 - 3629
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Purpose

The purpose is to locate, design, construct, and operate roadways according to standards that will minimize erosion and sediment damage to the roadway, adjacent properties, and abate pollution of surface and ground water resources.

Threshold Criteria

The Federal Water Pollution Control Act, as amended by the Clean Water Act applies whenever a project will disturb any existing ground cover. In addition, a NPDES Construction Storm Water Permit is necessary for construction or maintenance projects that disturb one or more acres of land. To obtain a copy of the permit see [General Permit](#) (A MN PCA web site).

Regardless if a project requires an NPDES permit, special concern must be taken when construction operations will take place in or be in the vicinity of rivers, streams, lakes, wetlands, or other bodies of water. Section 1717 of the MnDOT Standard Specifications for Construction (2005 ed.) require effective erosion control measures to be taken on all

projects, regardless of the need for a permit. Which means a Storm Water Pollution Prevention (SWPP) Plan is required on all MnDOT projects.

Prepared Statements

If the project will involve disturbance in sensitive areas or has moderate potential for erosion, contact Environmental Services to assist in the development of comments specific to the area being impacted.

Prepared Statement of No Effect:

For projects with no impact to existing ground cover and no erosion producing operations:

Potential for impacts from erosion and sedimentation have been considered, but because the project does not disturb existing ground cover, there is little erosion and sedimentation potential.

Prepared Statement for Projects with Disturbance but Minimal Effects:

For projects involving less than one acre of disturbance of existing ground cover:

This project will result in some potential for erosion as existing ground cover will be disturbed. Erosion prevention and sediment control requirements will be undertaken in accordance with the MnDOT standard specifications and special provisions. A NPDES permit will not be required because this project does not disturb one or more acres of existing ground cover; however, a SWPP Plan will be developed for the project.

Prepared Statement for Projects with Disturbance:

For projects involving one or more acres of disturbance to existing ground cover or a project disturbing less than one acre but part of a larger common plan of development when combined disturbs one or more acres:

This project will result in some potential for erosion as existing ground cover will be disturbed. A NPDES Construction Storm Water Permit will be required for this project. A SWPP Plan will be developed for the project. Erosion prevention and sediment control requirements will be followed in accordance with the NPDES permit, which includes both temporary and permanent erosion and sediment control plans as well as other Best Management practices (BMP's) to protect the resource waters.. BMP's contained in MnDOT's standard specifications, details, and special provisions will also be used.

Relationship to the HPDP

Class I (Environmental Impact Statement)

Scoping Documents (SD) & Scoping Decision Document (SDD)

Conduct early assessment of magnitude of potential impacts - assess need for further study.

Environmental Impact Statement (DEIS/FEIS)

Conduct inventory of potential erosion impacts for project alternatives and summarize findings in DEIS. The presence of extremely erodible soils or slope instability may require re-alignment or discarding one-or more alternatives. The Final Environmental Impact Statement should include specific mitigation measures.

Class II Actions (Categorical Exclusions)

Project Memorandum

If potential problems from erosion and sediment are not an issue for the project, indicate this in a brief statement as in "Prepared Statements" above. If potential erosion and/or slope stability are an issue for this project, complete as in Class I above.

Class III Actions (Environmental Assessment EA/EAW)

Complete as in Class II above, using appropriate document.

Permits and Approvals

A National Pollutant Discharge Elimination System permit is required for construction activities which disturb one or more acres of total land area or less than one acre when combined with a large common plan of development that disturbs more than one acre in totality

Minnesota Pollution Control Agency (MPCA)

[General Permit \(Discharge Storm Water\)](#)

Authorization to Discharge Storm Water associated with a Construction Activity under the National Pollutant Discharge Elimination System/State Disposal System Permit Program

Legal Basis

Description	Code
The Federal Water Pollution Control Act, as amended by the Clean Water Act	33 U.S.C. 1251-1376
Protection of Water Resources	Minnesota Statutes, Chapter 103F
Minnesota Pollution Control Agency (MPCA)	Minnesota Statutes, Chapter 116
MPCA Storm Water Regulatory Program	Code: Minn. Rules Ch. 7090

The MPCA is charged with administering permits under the Clean Water Act (United States Code, Title 33, Sections 1251 et seq., as amended). A National Pollutant Discharge Elimination System permit is required for construction activities which disturb one or more acres of total land area or less than one acre when combined with a large common plan of development that disturbs more than one acre in totality

Guidelines/Regulations

Creator (Agency/Author)	Subject of guideline/regulation	Date
Minnesota	Minnesota Rules Chapter 7001.1000 - Scope & Construction of Rules (regarding NPDES permits)	
Minnesota Pollution Control Agency	Storm-Water Program for Construction Activity	
MnDOT	Process for Adherence to National Pollution Discharge Elimination System - MnDOT Technical Memorandum No. 09-06-ENV-02	November 24, 2009
MnDOT/ Environmental Services	Standard Specifications for Construction, 2005 Edition 1717 - Air, Land, and Water Pollution; 2573 - Storm Water Management; 2575 - Controlling Erosion and Establishing Vegetation	2005
FHWA	Erosion and Sediment Control on Highway Construction Projects: 23 CFR 650 , Subpart B - Non-regulatory supplement 1 - Non-regulatory supplement 2 - Non-regulatory supplement 3	July 1994
MnDOT	NPDES Phase II Construction Stormwater Permit Stormwater Pollution Prevention Plans: MnDOT Technical Memorandum No. 05-06-ENV-04	January 18, 2005
Minnesota DNR	Public Waters Work permits: General Permit 2004-0001 issued by MN/DNR, and Best Practices for Meeting General Public Waters Permit (GP) 2004-	February 23, 2004

	0001 Forms - Division of Waters: Minnesota DNR	
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Glossary

NPDES - National Pollution Discharge Elimination System

Sedimentation – The act or process of depositing sediment, typically sediment transport by stormwater runoff and discharge of sediment into a water body.