

Regulated Materials / Waste

Demolition / Rehabilitation of Bridges & Buildings

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Office of Environmental Stewardship (OES)

Environmental Investigation Unit

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Building & Bridge Demolition/Relocation

<http://www.dot.state.mn.us/environment/buildingbridge/index.html>

<http://www.dot.state.mn.us/environment/regulatedmaterials/paintremoval.html>

Purpose

To ensure that regulated materials/wastes are handled and disposed of according to applicable federal and state regulations and in a manner that reduces liability to the department.

Contacting Environmental Stewardship

In order for Environmental Stewardship to have sufficient time to review a project and provide meaningful comment to the project manager, it is essential that the project manager contact Environmental Stewardship approximately 12-18 months prior to project letting.

Threshold Criteria

MnDOT projects may generate and require management of regulated materials/wastes (above ground) such as lead-based paint, asbestos-containing material, PCB containing

materials, mercury containing materials, treated wood, hazardous waste and other regulated waste.

The Office of Environmental Stewardship (OES) can assist in determining if regulated materials/wastes are likely to be encountered during the project. Any project that includes building demolition/relocation or bridge demolition/rehabilitation must have an assessment performed of the structure and surrounding area to determine the presence of any regulated materials/wastes.

Any such material identified during the structure assessment should be described in project documentation, as well as the need for appropriate special provisions detailing proper handling and/or disposal in the project contract. Following is a list of project activities that require evaluation for potential issues related to regulated materials/waste identification, documentation and disposal:

1. Building Demolition or Relocation

Contact the Office of Environmental Stewardship to manage regulated materials prior to demolition. OES will prepare contracts for structure assessment, abatement/removal of materials and oversight of the removal procedure. The process should be initiated by District personnel contacting OES 12-18 months (or as soon as practical) before the construction project is let.

When MnDOT becomes the owner of any building, MnDOT assumes responsibility for identifying and properly disposing of all regulated materials/wastes that are part of a building structure (such as asbestos and treated wood), or are left inside the building (such as fluorescent bulbs, mercury thermostats, and household chemicals) or outside the building (such as drums or other containers or waste). MnDOT is liable for proper handling and disposal of all regulated materials associated with demolition or relocation of a structure.

2. Bridge Demolition or Rehabilitation

Contact the Office of Environmental Stewardship. OES will prepare contracts for structure assessment, abatement/removal of materials and oversight of removal procedure. Prior to bridge demolition or rehabilitation, the bridge must be assessed for asbestos-containing material, lead-based paint (on steel components), lead gaskets, PCB containing materials, fluorescent bulbs, HID Bulbs, treated wood, and

other electronic components. If the bridge contains asbestos, lead-based paint or other regulated materials, the materials must be properly handled and disposed of prior to demolition or rehabilitation. OES will hire an oversight contractor if ACM exceeds 260 linear feet, 160 square feet or 35 cubic feet or large volumes of PCB . caulk removals to oversee the removals during the bridge demolition.

3. Bridge or Steel Structure Painting

For Bridges:

Contact the Bridge Office (Paul Kivisto). The Bridge Office will prepare contract language so work will conform with environmental regulations and MnDOT policy.

For other steel structures (electrical boxes, etc.):

Contact the Office of Environmental Stewardship. OES will prepare contract language so that the work will conform with environmental regulations and MnDOT policy.

Waste materials generated as part of a bridge or other steel structure painting project such as spent abrasives or paint chips, waste paint solvents and unusable paint must be properly documented, contained and managed.

4. Project may involve acquisition of right of way containing (above ground) discarded or abandoned regulated material or waste.

Contact the Office of Environmental Stewardship. OES will prepare contract language so that the work will conform with environmental regulations and MnDOT policy.

When MnDOT encounters discarded, abandoned or buried regulated materials/waste on our right of way, MnDOT generally assumes responsibility and liability for properly disposing of the material/waste.

Prepared Statements

Use the following statement any time it is certain there is no regulated materials/waste:
"The project will not require handling/disposal of regulated materials/waste."

Use the following statement any time there is a building removal or relocation, and in most instances if there is a bridge removal or rehabilitation:

"Regulated materials/waste will be managed on this project in accordance with MnDOT special provisions."

OES can assist in determining if regulated materials/wastes are likely to be encountered during the project.

Relationship to the HPDP

Identification of regulated material/waste associated with building demolitions/relocations and bridge reconstruction projects enables OES to prepare contracts to manage the materials/wastes properly and to prepare special provisions, as necessary.

If previously unknown regulated material/waste is discovered during construction the Contractor must notify MnDOT's Project Engineer and follow OES management protocol.

Agencies Involved

Agency(s)	When they are involved and why
Minnesota Pollution Control Agency (MPCA)	Regulate structure demolition and disposal activities. Regulate asbestos, solid and hazardous waste management and disposal activities.
Minnesota Department of Health (MDH)	Regulate asbestos management, contractor licensing and permitting of asbestos abatement.
USDOT	Regulate the transport of hazardous materials.