



# FACILITIES DEVELOPMENT MANUAL

Wisconsin Department of Transportation

## TABLE OF CONTENTS

### Chapter 21: Hazardous Materials Investigation

#### **Section 21-1 Non-Standard Materials Environmental Screening and Waste Characterization**

- 21-1-1 ..... Non-Standard Materials Environmental Screening and Waste Characterization
  - 1.1 ..... New Materials Screening
  - 1.2 ..... Disposal

#### **Section 21-5 Asbestos**

- 21-5-1 ..... Asbestos
  - 1.1 ..... Applicability
  - 1.2 ..... Purpose
  - 1.3 ..... Definitions
  - 1.4 ..... Potential Asbestos Containing Material Identification
  - 1.5 ..... Sample Collection
  - 1.6 ..... Environmental Documentation
  - 1.7 ..... Handling and Disposal of Asbestos Containing Materials
  - 1.8 ..... References

Attachment 1.1 ..... Sample Asbestos Analytical Report

#### **Section 21-35 Contaminated Site Assessment and Remediation**

- 21-35-1 ..... Policy and Procedure Overview
  - 1.1 ..... Policy
  - 1.2 ..... Definitions
  - 1.3 ..... Overview
  - 1.4 ..... Federal Participation
  - 1.5 ..... Potentially Exempt Projects
- Attachment 1.1 ..... Hazardous Materials Investigation Process
- Attachment 1.2 ..... Hazardous Materials Assessment Schedule

- 21-35-5 ..... Phase 1 Hazardous Material Assessments
  - 5.1 ..... Introduction
  - 5.2 ..... Conducting a Phase 1 Assessment
  - 5.3 ..... Phase 1 Scope and Organization
- Attachment 5.1 ..... Hazardous Materials Assessment Site Summary

- 21-35-10 ..... Subsurface Investigation
  - 10.1 ..... Introduction
  - 10.2 ..... Scope
  - 10.3 ..... Requesting the Work
  - 10.4 ..... Scope of Services
  - 10.5 ..... Methodology
  - 10.6 ..... Phase 2 Report Contents
- Attachment 10.1 ..... Standard Cover Letter for Requesting Contaminated Site Investigation

- 21-35-12 ..... Phase 2.5 Remediation Planning Necessary for Construction of a Highway Project
  - 12.1 ..... Purpose
  - 12.2 ..... Overview
  - 12.3 ..... Request for Phase 2.5
  - 12.4 ..... Outside Consultants
  - 12.5 ..... Scope of Services
  - 12.6 ..... Typical Phase 2.5 Report
  - 12.7 ..... Phase 2.5 Process

Attachment 12.1 ..... Phase 2.5 Flow Chart

- 21-35-15 ..... Defining Full Extent of Contamination
  - 15.1 ..... Definition
  - 15.2 ..... Purpose
  - 15.3 ..... Warranting Situations
  - 15.4 ..... Phase 3 Process
  - 15.5 ..... Report Content
  - 15.6 ..... Timing Considerations
  - 15.7 ..... Phase 3 Costs
  - 15.8 ..... References

- 21-35-20 .....Phase 4 Hazardous Material Management
  - 20.1.....Originator
  - 20.2.....Purpose
  - 20.3.....Definition
  - 20.4.....Background
  - 20.5.....Implementing Phase 4
  - 20.6.....Phase 4 and the Local Roads Program
  - 20.7.....Agreements
  - 20.8.....When to Perform Phase 4
  - 20.9.....Indicate Phase 4 Remediation on Plan Sets
  - 20.10.....Project Managers Checklist

Attachment 20.1....Phase 4 Hazardous Material Management Checklist
- 21-35-25 .....Environmental Documentation
  - 25.1.....Draft Environmental Impact Statements and Environmental Assessments
  - 25.2.....Final Environmental Impact Statements and Findings of No Significant Impact
  - 25.3.....Environmental Reports (ER) and Categorical Exclusions
- 21-35-30 .....Disposal of Containerized Non-Hazardous Waste
  - 30.1.....Purpose and Scope
  - 30.2.....Sampling and Containment of Material
  - 30.3.....Storage
  - 30.4.....Labeling of Material
  - 30.5.....Disposal of Material
  - 30.6.....Documentation of Material
  - 30.7.....Summary Responsibilities

Attachment 30.1....Non-Regulated Waste – DT1208

Attachment 30.2....Sample - Non-Hazardous Waste Inventory - DT1229

Attachment 30.3....Hazardous Waste Disposal Contractor Contacts

Attachment 30.4....Regional Environmental or Hazmat Coordinators
- 21-35-35 .....Disposal of Hazardous Waste
  - 35.1.....Purpose
  - 35.2.....Storage and Containerization
  - 35.3.....Sampling and Analytical
  - 35.4.....Waste Characterization
  - 35.5.....Disposal
  - 35.6.....File Documentation
  - 35.7.....Payment

Attachment 35.1....Generic Profiles

Attachment 35.2....Hazardous Waste Inventory DT1231

Attachment 35.3....Hazardous Waste Manifests
- 21-35-40 .....Structure Notification
  - 40.1.....Notification Contents
  - 40.2.....Siting
  - 40.3.....Notification of Removal
- 21-35-50 .....Land filling or Bioremediation of Non-Hazardous Waste
  - 50.1.....Purpose and Scope
  - 50.2.....Applicable Disposal Sites
  - 50.3.....Direct Land Filling
  - 50.4.....Disposal of Material – Bioremediation and Direct Landfilling
  - 50.5.....Documentation of Material
  - 50.6.....Summary Responsibilities