

**CHAPTER 10
ENVIRONMENTAL**

10.00 INTRODUCTION	10-1
10.10 CLEAN AIR ACT	10-2
10.11 VOCs	10-2
10.20 UNDERGROUND TANKS	10-3
10.21 REGISTRATION	10-3
10.22 REMOVAL OF USTs	10-3
Removal of Known Tanks	10-3
Removal/Discovery of Unknown Tanks	10-3
Removal of Contaminated Soil	10-5
10.30 STORM WATER DISCHARGE	10-7
10.31 NOTICE OF INTENT (NOI)	10-7
10.32 TYPES OF STORM WATER PERMITS	10-8
10.33 ADMINISTERING PROJECTS WITH STORM WATER DISCHARGE PERMITS	10-8
10.34 QUESTIONS OFTEN ASKED	10-9
10.40 WETLANDS AND SECTION 404 PERMITS – INTRODUCTION	10-12
10.41 WETLANDS – DEFINITION AND REGULATION	10-13
10.42 PERMIT PROCESS	10-13
10.43 MITIGATION	10-14
10.44 MITIGATION POST CONSTRUCTION REPORT	10-15
10.45 MITIGATION MONITORING	10-15
10.46 PRECONSTRUCTION CONFERENCE	10-15
10.47 COMPLETED WORK CERTIFICATION FORM	10-15
10.48 CONSTRUCTION WORK NOT SHOWN ON PLANS	10-15
10.50 BRIDGE PAINTING	10-16
Background	10-16
10.51 METHODS OF PAINT REMOVAL	10-17
Open Abrasive Blast Cleaning	10-17
Closed Abrasive Blast - (Vacuum Blasting)	10-18
Hand and Power Tool Cleaning	10-18
10.52 CONTAINMENT	10-19
Design Considerations	10-19
Rules-of-Thumb	10-20

10.53 TOUCH-UP WORK----- 10-20
 Preparation for Rusted Areas ----- 10-20
 Cleaning Concrete “Slobbers” ----- 10-20

10.54 PAINT WASTE DISPOSAL----- 10-21
 TCLP Testing----- 10-21
 Hazardous Waste Designation ----- 10-21
 Notice for Transfer of Nonhazardous Paint Waste ----- 10-22

10.55 PAINTING ISSUES----- 10-22
 Contingency Plan ----- 10-22
 Equipment Inspection ----- 10-23
 Reserved for Future Use ----- 10-24

10.60 DISPOSAL OF CONSTRUCTION WASTES----- 10-25

10.61 DEMOLITION WASTE, CLEARING & GRUBBING----- 10-25
 Demolition Notice ----- 10-25
 Demolition by Burning----- 10-26
 Septic Tanks and Privies ----- 10-26

10.62 ASBESTOS----- 10-27
 Background----- 10-27
 Health Concerns----- 10-28
 Regulatory Programs----- 10-28
 Asbestos Removal ----- 10-28
 Abatement Process----- 10-28
 Field Activities ----- 10-28

10.63 PAINT WASTE----- 10-29

10.64 LIGHT BULBS, THERMOSTATS, & BALLASTS ----- 10-29
 Regulations ----- 10-30
 Project Requirements ----- 10-30
 Paperwork and Labeling----- 10-32
 Storage and Shipping Requirements----- 10-33
 Removals and Project Costs ----- 10-34
 Hazardous Waste Manifest ----- 10-34
 Manifest Disposition ----- 10-35
 Paperwork Reality Check ----- 10-35

10.70 WELLS AND WATER POLLUTION ----- 10-37

10.71 SURFACE SPILLS (ON LAND OR WATER) ----- 10-37
 What Does This Mean?----- 10-37
 Who Do We Report To? ----- 10-37
 Reportable Quantities ----- 10-38
 What is Meant by Contain and Clean-up? ----- 10-38
10.72 PLUGGING WELLS (WATER OR MONITORING)----- 10-39
10.80 PROTECTION OF HISTORIC STRUCTURES (VIBRATION MONITORING) ----- 10-40
 Introduction ----- 10-40
10.81 Vibration Threshold ----- 10-40
10.82 Procedures Following an Alarm Event----- 10-40
10.83 Damages to Historic Structures ----- 10-41