# APPENDIX DD - Hazardous Waste

## Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPENDIX DD - Hazardous Waste</td>
<td>DD-i</td>
</tr>
<tr>
<td>Preparation Guidelines for Initial Site Assessment (ISA) Checklist</td>
<td>DD-3</td>
</tr>
<tr>
<td>Location Map</td>
<td>DD-3</td>
</tr>
<tr>
<td>Project Information Section</td>
<td>DD-3</td>
</tr>
<tr>
<td>Project Screening Section</td>
<td>DD-3</td>
</tr>
<tr>
<td>ISA Determination</td>
<td>DD-4</td>
</tr>
</tbody>
</table>
Preparation Guidelines for Initial Site Assessment (ISA) Checklist for Hazardous Waste

The ISA Checklist is a guide for district screening and assessment of projects for potential hazardous waste involvement. It is not intended to take a lot of time and effort to complete; however, some assessments may take longer to complete just because of the magnitude and/or location of a proposed project.

**Project Information Section**

Be sure that the Project Manager and Project Engineer have been identified. Do not begin the ISA until the written project description and location maps have been provided (Since hazardous waste could effect project development, it is important to know what type of work is proposed and where it will be located).

**Location Map**

It is suggested that the location map provided by Design be attached to the ISA Checklist to provide a record of the area that has been assessed, as well as the findings. All future project limit changes should cause Design to request further assessment for hazardous waste.

**Project Screening Section**

Items 1 and 2 are risk indicators that could be used to determine the level of effort required to complete the ISA. Generally, a project that requires new right of way, excavation, structure modification or demolition, or utility relocation will have a greater potential for hazardous waste involvement than a project that does not include these features. An urban location would generally present more of a risk than a rural location; industrial land uses would generally be more risky than commercial uses; and so on.

Items 3 through 6 deal with the actual assessment:

- First, check available records to see if a known site is present. This item should not take a lot of effort, but it will require contacting the Regional Water Quality Control Board, the Department of Health Services, and the city/county agencies that deal with leaking underground tanks.

- Next, conduct a field inspection to look for indicators of potential hazardous waste or contamination. Identify businesses that store or use potentially hazardous materials (service stations, auto wrecking yards, paint companies, machine shops, metal platers, electronic manufacturers, dry cleaners, agricultural chemical suppliers, etc.). Other things to look for include landfills and dumps, surface storage of potentially
Appendixes
Project Development Forms and Letters plus Policy and Procedures Documents

- Hazardous materials (sumps, pits, steel drums, etc.), illegal dumping sites (especially on rural projects), and serpentine.

- Based on the field inspection, if there may have been a previous land use that could still present a hazardous waste or contamination risk, it may be necessary to verify the previous land use (e.g., abandoned service stations can usually be identified by the type of structure and location: the underground tank may still be there).

**ISA Determination**

The ISA determination is simply "Yes" or "No."

**NO:**  No findings have been made that would indicate a known or potential hazardous waste problem within or near the proposed project.

**YES:**  A known or potential site has been identified that could affect the proposed project and will take more time and effort to define and coordinate cleanup options.
Initial Site Assessment (ISA) Checklist

Project Information

District ____ County ____ Route ____ Post Mile ____________ EA _____________

Description ________________________________________________________________

Is the project on the HW Study Minimal-Risk Projects List (HW1)? __________

Project Manager ____________________________ phone # ______________________

Project Engineer ____________________________ phone # ______________________

Project Screening

Attach the project location map to this checklist to show location of all known and/or potential HW sites identified.

   Structure demolition/modification? ______ Subsurface utility relocation? ______

2. Project Setting ____________________________________________________________
   Rural or Urban ____________________________________________________________
   Current land uses _________________________________________________________
   Adjacent land uses _______________________________________________________
   (industrial, light industry, commercial, agricultural, residential, etc.)

3. Check federal, State, and local environmental and health regulatory agency records as necessary, to see if any known hazardous waste site is in or near the project area. If a known site is identified, show its location on the attached map and attach additional sheets, as needed, to provide pertinent information for the proposed project.

4. Conduct Field Inspection. Date ____________ Use the attached map to locate potential or known HW sites.

   STORAGE STRUCTURES / PIPELINES:
   Underground tanks ___________________ Surface tanks _______________________ 
   Sumps _____________________________ Ponds ____________________________
   Drums ______________________________ Basins ____________________________
   Transformers _________________________ Landfill _________________________
   Other ________________________________________________________________
Initial Site Assessment (ISA) Checklist

CONTAMINATION: (spills, leaks, illegal dumping, etc.)

Surface staining ______________________ Oil sheen ______________________

Odors ______________________ Vegetation damage ______________________

Other ______________________

HAZARDOUS MATERIALS: (asbestos, lead, etc.)

Buildings ______________________ Spray-on fireproofing ______________________

Pipe wrap ______________________ Friable tile ______________________

Acoustical plaster ______________________ Serpentine ______________________

Paint ______________________ Other ______________________

5. Additional record search, as necessary, of subsequent land uses that could have resulted in a hazardous waste site. Use the attached map to show the location of potential hazardous waste sites.

6. Other comments and/or observations:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

ISA Determination

Does the project have potential hazardous waste involvement? ______ If there is known or potential hazardous waste involvement, is additional ISA work needed before task orders can be prepared for the Investigation? ______ If "YES," explain; then give an estimate of additional time required: __________ 

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

A brief memo should be prepared to transmit the ISA conclusions to the Project Manager and Project Engineer.

ISA Conducted by ______________________ Date _________