ADDENDUM I

INSPECTION PLAN
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Contents
I. INSPECTION REQUIREMENTS ................................................................. I.1
   I.1 Inspection Plan ....................................................................................... I.1
   I.1.1 General Inspection Requirements ..................................................... I.1
   I.1.2 Schedule for Remedial Action for Problems Revealed ..................... I.1
   I.1.3 Specific Process or Waste Type Inspection Requirements ............... I.1
I INSPECTION PLAN

The mixed waste is in solid form and placed in stainless steel capsules.

I.1 Inspection Plan

This section describes the method and schedule for inspections at Waste Encapsulation and Storage Facility (WESF). These inspections will help ensure that situations do not exist that might cause or lead to the release of mixed waste to the environment or that might pose a threat to human health and environment. Deficiencies identified by inspections must be corrected on a schedule that prevents hazards to personnel, the public, and the environment.

I.1.1 General Inspection Requirements

The content and frequency of inspections are described in this section. The schedule and inspection records are kept in the inspection logbooks and retained by WESF operations personnel. Inspection records will be retained in accordance with Permit Conditions II.I, and II.X.

The inspection checklists will consist of a listing of items to be assessed during each inspection. A 'yes/no' response will be made for each listed item. Any deficiencies identified and recorded during the inspection will be reported to WESF management. WESF management will review and determine corrective actions to be taken.

I.1.1.1 Types of Potential Problems

Types of problems looked for during an inspection are provided in Table I.1. All of the waste in storage at WESF originated at WESF. WESF does not receive mixed waste from an onsite and/or offsite facility. Because the mixed waste is in a solid form within a stainless steel capsule, spills are not probable. Therefore, spills are not considered among the types of problems that should be addressed, through inspections.

I.1.1.2 Inspection Schedule

The mixed waste capsules are sealed. Frequent inspection of individual mixed waste capsules that require removal of capsules from storage racks is not feasible because of ALARA concerns and the storage configuration as described in Addendum C.

The solid form of mixed waste is sealed in the stainless steel capsules; this makes a leak unlikely. Therefore, frequent capsule inspection is not necessary and removal of the capsules only introduces additional risk for potential capsule damage. Refer to Table I.1 for proposed inspection frequencies.

I.1.2 Schedule for Remedial Action for Problems Revealed

In accordance with Permit Condition II.X.4, the WESF operating organization will remedy any problems revealed by the inspection on a schedule that prevents hazards to human health and the environment. Immediate actions will be implemented based on the contingency plan (Addendum J).

I.1.3 Specific Process or Waste Type Inspection Requirements

Due to the design of the capsules and storage restrictions, the capsules cannot be routinely inspected by direct visual means. Inspections of other types of equipment that provide confidence to detect leakage of the capsules are provided in Table I.1.
<table>
<thead>
<tr>
<th>Requirement description</th>
<th>Inspection frequency</th>
<th>Types of potential problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data from leak detection equipment monitors leakage of the capsules (not pool cell water)</td>
<td>Monthly</td>
<td>Observe annunciator panel in WESF operation gallery to determine if lights are operating.</td>
</tr>
<tr>
<td>Security devices: &quot;Danger Waste storage — major chemical risk: toxic&quot; signs</td>
<td>Weekly</td>
<td>Signs are posted and legible.</td>
</tr>
<tr>
<td>Safety and emergency equipment: emergency lighting</td>
<td>Monthly</td>
<td>Equipment is present and functional.</td>
</tr>
<tr>
<td>Annual inspection of 225B Building</td>
<td>Annually</td>
<td>Walk around outside of building and identify any structural damage.</td>
</tr>
</tbody>
</table>
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