

ATTACHMENT 2

INSPECTION SCHEDULES AND PROCEDURES

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II.A. Purpose and Scope

Inspections of the M-136 LTTAs and Groundwater Monitoring System are conducted to promote the detection of malfunctions and deterioration of the LTTA caps, drainage systems, security equipment and monitoring wells. The inspection schedules have been designed to detect problems promptly in order to ensure that the caps, drainage systems and monitoring wells remain in good condition. The inspection schedules are also used to document problems observed and what corrective action or maintenance was conducted to remedy the problem. Inspections are conducted by personnel trained to identify potential problem areas and to use the inspection schedule/checklist. The Groundwater Monitoring System is inspected annually throughout the post-closure period. – the inspection schedule/checklist is shown below in Table II.B.

II.B. Remedial Action or Maintenance

Repairs or corrective action for any deterioration or malfunction discovered by an inspection shall be initiated within seventy-two (72) hours except for damaged security equipment. As stated in Permit Condition II.B.3., repairs to damaged security equipment shall begin within twenty-four (24) hours. Repairs to security equipment shall be completed as soon as practicable, but not later than seventy-two (72) hours after the problem is discovered. As stated in R315-264-15(c), where a hazard is imminent or has already occurred, remedial action shall be taken immediately.

II.C. Inspection Records

All records of inspections and remedial actions shall be retained in the Operating Record, as indicated by condition I.G.16., throughout the post-closure care period. At a minimum, inspection records shall include the date and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs or maintenance taken.

II.D. Inspection of the M-136 LTTAs

The twelve M-136 LTTAs shall be inspected quarterly throughout the post-closure care period. Inspections are also required within twenty-four (24) hours after a storm event. A storm event is defined as precipitation in excess of 1.0 inch in a one-hour period. It shall be documented in the inspection log that the inspection was conducted in response to a storm event. The items or areas that shall be inspected and the potential problems to watch for are included on the inspection schedule/checklist. A blank inspection schedule/checklist for the M-136 LTTAs is shown below in Table 2-A. Completed inspection schedule/checklists will be maintained in the operating record.

TABLE 2-A

M-136 LTTA QUARTERLY POST CLOSURE INSPECTION CHECKLIST													
INSPECTED BY	DATE	REVIEWED BY										DATE	
ITEM	LTTA AREAS												
	12	20	21	22	23	24	25	33	32	30	31	11	
CAP SURFACE (CHECK IF INSPECTED)													
* TIRE RUTS, BURROWS, EROSION, ETC.													
* SIGNIFICANT VEGETATION													
* SETTLING OF CAP													
ANY CHECKS IN ROWS WITH AN * REQUIRES AN EXPLANATION. ALSO DESCRIBE CORRECTIVE ACTIONS TAKEN.	EXPLANATION:												
CHECK WHEN INSPECTED		COMMENTS (NOTE PROBLEMS/CORRECTIVE ACTIONS)											
DRAINAGE DITCH (WALK ENTIRE SYSTEM)													
INTERCEPTOR TRENCHES (SILTING)													
CULVERTS CLEAR													
DRAINAGE AREAS (WASHED OUT)													
FENCES CONDITION													
GATES & LOCKS													
SIGNS ("DANGER UNAUTHORIZED PERSONNEL KEEP OUT")													
ROADWAYS IN SAFE CONDITION													
M-136 PHONE IN WORKING ORDER													
<input type="checkbox"/>	CHECK HERE IF INSPECTION IS BECAUSE OF A STORM EVENT												
FORWARD COMPLETED FORM TO ENVIRONMENTAL SERVICES AT MAIL STOP 301													

II.E. Inspection of the Groundwater Monitoring System

The Permittee shall inspect, on an annual basis, all groundwater monitoring wells as identified in Attachment 4. The items that shall be inspected and the potential problems to watch for are identified on the Groundwater Monitoring System Annual Inspection Checklist that is used in the field. The inspection checklist is shown below.

**Groundwater Monitoring System
Annual Inspection Checklist**

Inspected by: _____ **Reviewed by / Date:** _____

Well inspection: A. Above ground casing; B. Cement apron & surface seal; C. Cap in place and locked;
D. Accessible, visible and identified; E. Verify operation of any dedicated pump

Well	Date	Condition? Note any corrective action needed	Well	Date	Condition? Note any corrective action needed

For any problems note corrective action taken here