CORRECTIVE ACTION STABILIZATION QUESTIONNAIRE

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Background Facility Information

Facility Name: LANL Los Alamos Nat'l Labs
EPA Identification No.: NM 515
Location (City, State): Los Alamos NM
Facility Priority Rank: High

CMS General

1. Is this checklist being completed for one solid waste management unit (SWMU), several SWMUs, or the entire facility? Explain.

Status of Corrective Action Activities at the Facility

2. What is the current status of HSWA corrective action activities at the facility?

   ( ) No corrective action activities initiated
   ( ) RCRA Facility Assessment (RFA) or equivalent completed
   ( ) RCRA Facility Investigation (RFI) ~~completed~~ Continuing
   ( ) Corrective Measures Study (CMS) completed
   ( ) Corrective Measures Implementation (CMI) begun or completed
   ( ) Interim Measures begun or completed

3. If corrective action activities have been initiated, are they being carried out under a permit or an enforcement order?

   (X) Operating permit
   ( ) Post-closure permit
   ( ) Enforcement order

4. Have interim measures, if required or completed [see Question 2], been successful in preventing the further spread of contamination at the facility?

   (X) Yes
   ( ) No
   ( ) Uncertain; still underway

CONTINUE TO QUESTION 5 <u>ONLY</u> IF THE FOLLOWING CONDITIONS ARE MET:

- *The facility ranks "High" on the National Corrective Action Prioritization System; <u>AND</u>*
- *Interim Measures have not been initiated, or if initiated, have not been successful in preventing the further spread of contamination at the facility.*

Facility Releases and Exposure Concerns

5. To what media have contaminant releases from the facility occurred or been suspected of occurring?

   (X) Ground water
   (X) Surface water
   (X) Air
   (X) Soils

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6. Are contaminant releases migrating off-site?

(X) Yes; Indicate media, concentrations, and level of certainty.
Sediments and Surface Water

( ) No
( ) Uncertain

7a. Are humans currently being exposed to contaminants released from the facility?

( ) Yes
( ) No
(X) Uncertain

7b. Is there a potential for human exposure to the contaminants released from the facility over the next five to 10 years?

(X) Yes
( ) No
( ) Uncertain

8a. Are environmental receptors currently being exposed to contaminants released from the facility?

(X) Yes
( ) No
( ) Uncertain

8b. Is there a potential that environmental receptors could be exposed to the contaminants released from the facility over the next five to 10 years?

(X) Yes
( ) No
( ) Uncertain

Anticipated Final Corrective Measures

9. If already identified or planned, would final corrective measures be able to be implemented in time to adequately address any existing or short-term threat to human health and the environment?

(X) Yes
( ) No
( ) Uncertain

Additional explanatory notes:

10. Could a stabilization initiative at this facility reduce the present or near-term (e.g., less than two years) risks to human health and the environment?

(X) Yes
( ) No
( ) Uncertain

Additional explanatory notes:

11. If a stabilization activity were not begun, would the threat to human health and the environment significantly increase before final corrective measures could be implemented?

(X) Yes
( ) No
( ) Uncertain

Additional explanatory notes:

Technical Ability to Implement Stabilization Activities

12. In what phase does the contaminant exist under ambient site conditions?

( ) Solid
( ) Light non-aqueous phase liquids (LNAPLs)
NO (X) Dense non-aqueous phase liquids (DNAPLs)
( ) Dissolved in ground water or surface water
(X) Gaseous
( ) Other _____

13. Are one or more of the following major chemical groupings of concern at the facility?

(X) Volatile organic compounds (VOCs) and/or semi-volatiles
(X) Polynuclear aromatics (PAHs)
(X) Pesticides
(X) Polychlorinated biphenyls (PCBs) and/or dioxins
(X) Other organics
(X) Inorganics and metals
( ) Explosives
( ) Other_____

14. Are appropriate stabilization technologies available to prevent the further spread of contamination, based on contaminant characteristics and the facility's environmental setting? [See Attachment A for a listing of potential stabilization technologies.]

(X) Yes; Indicate possible course of action. Removal
And Source reduction

( ) No; Indicate why stabilization technologies are not appropriate; then go to Question 19.

15. Has the RFI, or another environmental investigation, provided the site characterization and waste release data needed to design and implement a stabilization activity?

(X) Yes
( ) No

If No, can these data be obtained faster than the data needed to implement the final corrective measures?

( ) Yes
( ) No

Timing and Other Procedural Issues Associated with Stabilization

16. Can stabilization activities be implemented more quickly than the final corrective measures?

(X) Yes
( ) No
( ) Uncertain

Additional explanatory notes:

17. Can stabilization activities be incorporated into the final corrective measures at some point in the future?

(X) Yes
( ) No
( ) Uncertain

Additional explanatory notes:

Conclusion

18. Is this facility an appropriate candidate for stabilization activities?

(X) Yes
( ) No, not feasible
( ) No, not required

Explain final decision, using additional sheets if necessary.

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