



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 HANFORD PROJECT OFFICE

712 Swift Boulevard, Suite 5
Richland, Washington 99352

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February 16, 1999

Mr. Owen C. Robertson
Senior Project Manager
U.S. Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

RECEIVED

FEB 17 1999

DOE-RL / DIS

Re: Stabilization of Lead-Contaminated Soil from the 300 Area

Dear Mr. Robertson:

Enclosed with this letter are countersigned letters approving the "Stabilization Plan for 300 Area Lead Contaminated Soil" and accepting the bench scale results for lead-contaminated soil from the 300 Area. With the receipt of this letter, the U.S. Department of Energy (DOE) has U.S. Environmental Protection Agency (EPA) approval to proceed with the stabilization of the soil from the 42 containers resulting from the remedial actions in the 300 Area.

One item that was not discussed in the bench scale test results was the timing of when the soil, cement and water mixture passed the "paint filter test" to demonstrate that there were no free liquid. I had the opportunity to view much of the bench scale test and it was my observation, which I confirmed with a representative from your contractor, that by the time that the soil, cement and water were sufficiently mixed to ensure successful treatment, the mixture passed the paint filter test and thus had no free liquid.

Please let me know when treatment begins as I would be interested in observing the full-scale treatment. If you have any additional questions, please do not hesitate to call me at 376-3883.

Sincerely,

David R. Einan
300 Area Project Manager



Enclosures

cc: M.A. Casbon, BHI
V.R. Dronen, BHI
R.G. McLeod, DOE
G.B. Mitchem, BHI



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

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FEB 8 1999

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352-0539

Dear Mr. Sherwood:

STABILIZATION PLAN FOR 300 AREA LEAD CONTAMINATED SOIL, RFS-ERDF-007,
REV. 0

In order to dispose of the 42 containers received from the 300 Areas that contain lead contaminated soils, treatment will be required to stabilize the leachable lead. Attached is the subject document for U.S. Environmental Protection Agency (EPA) review and approval. This plan was developed based on discussions between EPA and the U.S. Department of Energy, Richland Operations Office (RL), and reflects all comments coming out of those informal discussions. Mobilization and preparatory activities are currently being initiated and treatment could start as soon as March 1, 1999. Approval is requested from EPA by February 26, 1999.

In order to expedite the process, RL has provided an approval signature block below. Upon receipt of EPA approval, treatment of the lead contaminated soils will commence.

If you want to discuss this matter further or require additional information, please contact me at 373-6295.

Sincerely,

Owen C. Robertson, Senior Project Manager
Remedial Actions Project

RAP:OCR

Attachment

cc w/attach:
D. R. Einan, EPA
P. S. Innis, EPA

cc w/o attach:
V. R. Dronen, BHI
G. B. Mitchem, BHI

Approval:

300 Area Project Manager

50456



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

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FEB 10 1999

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352

Dear Mr. Sherwood:

BENCH SCALE TEST RESULTS FOR LEAD-CONTAMINATED SOIL FROM THE 300 AREA

The Stabilization Plan for the 300 Area Lead Contaminated Soil, RFS-ERDF-007, Rev. 0 (previously transmitted to you) required a bench scale test to determine the adequacy of the proposed reagents and the proper amount of set-up time required to achieve a sufficient reduction in leachable lead in the soil. Attached is the report on the results of the bench scale test for your review and approval. The report concludes that the addition of 30 percent cement to the soil is more than adequate to gain the necessary reduction in leachable lead at the point that the mixture can pass the paint filter test. Approval from the U.S. Environmental Protection Agency (EPA) to proceed with soil stabilization using 30 percent cement is requested by February 16, 1999. In order to expedite the process, we have provided an approval signature block below. Upon receipt of EPA approval, treatment of the lead contaminated soils will commence.

If you have any questions please contact me on (509) 373-6295. Thank you for your immediate attention to this matter.

Sincerely,

A handwritten signature in cursive script that reads "O. C. Robertson".

O. C. Robertson, Senior Project Manager
Remedial Actions Project

Attachment

cc w/attach:
D. R. Einan, EPA
P. S. Innis, EPA

cc w/o attach:
V. R. Dronen, BHI
G. B. Mitchem, BHI

Approval:

A handwritten signature in cursive script that reads "David R. Einan".

David R. Einan, EPA 300 Area Project Manager