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R&D Decontamination Projects Under the Formerly Utilized Sites Remedial Action Program (FUSRAP)

J. LaGrone, Manager
Oak Ridge Operations Office

As a result of the House-Senate Conference Report and the Energy and Water Appropriations Act for FY 1984, and based on the data in the attached reports indicating radioactive contamination in excess of acceptable guidelines, the sites listed in the attachment and their respective vicinity properties (contaminated with radioactive materials from these sites) are being designated as decontamination research and development projects under the FUSRAP. Each site and the associated vicinity properties should be treated as a separate project.

The objective of each project is to decontaminate the vicinity properties and the site. The projects should be given priority over other FUSRAP sites, except for the Niagara Falls Storage Site project. The approach for each project should be to decontaminate the vicinity properties and store the waste on the site pending long-term disposal. Control measures should be taken on the site to prevent recontamination offsite. Environmental monitoring, site surveillance, and security measures should be taken to assure the stored waste is controlled. Studies of options for decontaminating the sites and disposing of the wastes should be initiated. These studies should have a lower priority than accomplishing cleanup and control of the offsite contamination as soon as possible.

Information which we have on these sites is attached. In coordination with the staff of the OR Technical Services Division, we are meeting with the congressional representatives, the site owners, the Nuclear Regulatory Commission, and the involved states to clarify and provide a firm basis for your planning the work on these sites. We expect to complete these meetings in early August. Please call Mr. J. Baublitz (FTS 233-5272) or Mr. E. DeLaney (FTS 233-4716) for further information on these sites.

bcc: w/o attach.
E. Keller, OR
B. Berven, ORNL
A. Whitman, NE-24
Aerospace
NE-73 (5)
NE-24 RF Whitman RF

Original signed
Franklin E. Coffman

Franklin E. Coffman, Director
Office of Terminal Waste Disposal
and Remedial Action
Office of Nuclear Energy

Attachments

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3.30.4
3.30.6
3.25.3

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8/2/83

CONCURRENCES	
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INITIALS/SIG.	<i>[Signature]</i> DeLaney
DATE	8/2/83
RTG SYMBOL	NE-24
INITIALS/SIG.	<i>[Signature]</i> Baublitz
DATE	8/2/83
RTG SYMBOL	NE-20
INITIALS/SIG.	<i>[Signature]</i> Coffman
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INFORMATION ON R&D DECONTAMINATION PROJECTS

The following information and/or data are being furnished for the sites:

1. Stepan Chemical Co., Maywood, New Jersey

a. Onsite - The onsite radiological survey reports were done by Oak Ridge Associated Universities (ORAU) for the Nuclear Regulatory Commission (NRC); therefore, they can be obtained from Mr. J. Berger, ORAU.

b. Offsite - One each of the following are attached:

(1) Radiological Survey Reports

- (a) 459 Latham Street, Maywood, New Jersey
- (b) 461 Latham Street, Maywood, New Jersey
- (c) 459 Davison Avenue, Maywood, New Jersey
- (d) 460 Davison Avenue, Maywood, New Jersey
- (e) 464 Davison Avenue, Maywood, New Jersey
- (f) 467 Davison Avenue, Maywood, New Jersey
- (g) 468 Davison Avenue, Maywood, New Jersey

(2) "Thorium Contamination in Maywood, New Jersey," Stepan Chemical Company Vicinity Summary of Survey Data, (NRC Document), May 4-5, 1981.

(3) "An Aerial Radiologic Survey of the Stepan Chemical Company and Surrounding Area, Maywood, New Jersey," January 26, 1981 (NRC-8109).

2. National Lead Industries, Colonie, New York

Although there is additional radiological survey work to be done to better define the offsite problem, there is sufficient data in documents supplied by NRC and National Lead (NL) Industries for designation and planning purposes. These documents are attached as follows:

a. Onsite

- (1) NL Industries internal memo dated June 3, 1982, re: NL Cost and Pricing Proposal for the Decontamination of the NL Industries, Inc., Albany, New York, Facility, dated June 1, 1982, and June 2, 1982, submitted to U.S. Army Armament R&D Command.
- (2) "Engineering Estimate for the Decontamination of the NL Industries Facility Located at 1130 Central Avenue, Albany, New York," submitted by Teledyne Isotopes, July 23, 1981.

- (3) "Engineering Estimate for the Partial Decontamination of the NL Industries Facility Located at 1130 Central Avenue, Albany, New York," submitted by Teledyne Isotopes, August 12, 1981.
- (4) "Proposal for Professional Services Related to Low Level Radioactivity at the Albany, New York, Plant," proposed by Roy F. Weston, Inc., April 20, 1982.*
- (5) "Preliminary Assessment of Existing Data at a Depleted Uranium Processing Facilities in Albany, New York," submitted by FBDU, March 24, 1982.
- (6) Letter dated March 12, 1982, to Fred Baser, NL Industries from Harry Browne, Vice President, Manager of Business Development and Planning, Bechtel National, Inc., enclosing a proposal (Technical Service Agreement) to assist NL Industries in determining the extent of radionuclide contamination at the Albany, New York, Plant.
- (7) "A Survey of Uranium in Soils Surrounding the NL Bearings Plant," prepared by Teledyne Isotopes, October 31, 1980.*
- (8) "Subsurface Uranium on the Grounds of NL Bearings, Albany, New York," December 7, 1981.
- (9) "Detailed Plan for Removal of Uranium Bearing Soil in the Vicinity of NL Industries, Albany, New York, Facility," February 1981.

b. Offsite

- (1) "Proposal for Detailed Survey and Selective Removal of Uranium-Contaminated Soil in the Vicinity of NL Bearings, Albany, New York," submitted by Teledyne Isotopes, January 13, 1981.
- (2) "Proposal to Provide Recommendations for and Decontamination of the Lands Surrounding the NL Bearing, Albany, New York, Facility," prepared by Radiation Management Corporation, April 23, 1982.
- (3) "Preliminary Radiological Assessment of Offsite Properties Adjacent to A Depleted Uranium Processing Facilities in Albany, New York," by FBDU, April 26, 1982.

* These reports are applicable to onsite and offsite conditions.

3. W. R. Grace and Co., Pompton Plains, New Jersey

- a. Onsite - The onsite radiological survey activities were done by ORAU for NRC; therefore, you will have to get the radiological data from ORAU, as was done previously.
- b. Offsite - Other than the attached reports, the radiological data for the vicinity properties at this site can be obtained from ORAU.
 - (1) "Results of the Mobile Gamma Scanning Activities at Wayne, New Jersey, and Surrounding Communities," prepared by ORNL, January 1983.
 - (2) "An Aerial Radiological Survey of Wayne Township, New Jersey, and Surrounding Area," prepared by EG&G (EP-F-006), October 1982.

4. Latty Avenue, Hazelwood, Missouri

Characterization and monitoring data have been forwarded to Mr. E. L. Keller from Mr. E. G. DeLaney in a memorandum dated August 16, 1982. The following reports were attached to the memorandum:

- o "Preliminary Radiological Survey of Proposed Street Right of Way at Futura Coatings, Inc., 9200 Latty Avenue, Hazelwood, Missouri," prepared by ORAU for NRC, dated December 1981.
- o "Radiological Evaluation of Decontamination Debris Located at the Futura Chemical Co. Facility, 9700 Latty Avenue, Hazelwood, Missouri," prepared by ORAU, dated September 9, 1981.

Any additional information or data received on the four sites will be forwarded to Mr. E. L. Keller upon receipt.