

DEC 12 1986

DOCKET NO: 40-7102
LICENSEE: SHIELDALLOY CORPORATION
DATE: December 3-4, 1986
PLACE: Newfield, New Jersey
ATTENDEES: See Enclosed List
PURPOSE: SITE VISIT AND DISCUSSION OF LICENSE RENEWAL

On December 3-4, 1986, a site visit was made to the Shieldalloy Corporation facility in Newfield, New Jersey. This facility processes source material to extract ferrocolumbium alloy. A tour of the facility was made which concentrated on the slag storage area and the process area.

The slag storage area consists of several very large piles of slag. The piles are tagged as to what type of slag they contain, but the piles appear to run together. Several runoff streams were observed, indicating that material might be getting offsite. The ferrovandium slag, which is considered non-radioactive by the licensee (<0.05% source material), is being crushed onsite by a contractor and sold as roadbed material. However, elevated readings (50 to 70 micror/hr) were obtained from some of the ferrovandium slags. Samples of both the ferrovandium and ferrocolumbium slag were obtained for analysis to determine the radioactive component, as well as, some water and sediment samples. These samples were divided among the State, Region I, and Shieldalloy.

The process area contained the mixing and furnace stations and an area where the metal and slag are separated. A large amount of dust was observed in the air of this building and coming from open doors. Shieldalloy has recently installed a new dust collector which, when fully operational, may improve the dust situation.

Discussions were held with representatives of Shieldalloy regarding the renewal process, additional information needed to complete the environmental assessment, disposition of the slag material, and decommissioning. The licensee seemed receptive to any positive suggestions the NRC may have.

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In addition, it was discovered that EPA has been having discussions with the licensee, in fact, is threatening to fine the company over the classification of the slag materials as hazardous waste. The licensee was informed of an upcoming comprehensive radiological survey to be performed by ORAU next spring/summer.

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Enclosure: As stated

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Meeting with Shieldalloy 12/3-4/86

NRC

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W. T. Crow
M. Horn
J. White - Region I (12/3 only)
L. Friedman - Region I

NJ DEP

John Feeney
Jeanette Eng (12/3 only)
Scott Dennerlein
Duncan White (12/4 only)

Shieldalloy

Louis Magliocco (12/4 only)
John Longaker
O. Andy Simpkins (12/4 only)