



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

November 23, 1992

Docket No. 40-7102

MEMORANDUM FOR: John W. N. Hickey, Branch Chief
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

THRU: Jerry J. Swift, Section Leader
Advanced Fuel and Special
Facilities Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

FROM: Yawar H. Faraz, Project Manager
Advanced Fuel and Special
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Medical Nuclear Safety, NMSS

SUBJECT: SUMMARY OF SHIELDALLOY METALLURGICAL CORPORATIONS LICENSE
RENEWAL EA KICK-OFF MEETING BETWEEN U.S. NUCLEAR REGULATORY
COMMISSION (NRC) STAFF AND PACIFIC NORTHWEST LABORATORY
(PNL) HELD AT NRC HEADQUARTERS IN ROCKVILLE, MARYLAND, ON
NOVEMBER 12, 1992

On November 12, 1992, Dr. David Guzzetta of PNL met with Dr. Jerry Swift, Mr. Keith McDaniel and myself of the NRC, to kick-off PNL's Task Order Number 1, entitled "Environmental Assessment for License Renewal of Shieldalloy Metallurgical Corporation." What follows is a summary of the meeting.

Meeting Summary

David felt that Shieldalloy Metallurgical Corporation's (SMC) environmental report (ER) was very general and lacked specificity. Therefore, he requested copies of SMC's Remedial Investigation (RI). He felt useful information such as groundwater transport parameters will be contained in the RI report. David indicated that other permits, such as the NPDES, may also contain information that might prove useful for the EA. In addition to the RI, I will try to obtain copies of SMC's current environmental permits. I will also give PNL, copies of the atmospheric source term calculations once they are obtained. SMC has estimated the annual thorium-232 release to be 0.3 mCi (about 3 Kg). This may not be an insignificant release, considering that residences are located across the street from the facility. Radon and thoron releases from the baghouses and the piles may not necessarily be insignificant either. It

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should be noted that staff of the Environmental Protection Agency (EPA) had visited the SMC site. Based on the results of the COMPLY code, which SMC claims to have passed at Level 1, EPA determined that the atmospheric releases were within their limits.

I gave David copies of SMC's leachability report along with the possession limit increase license amendment dated April 2, 1992, and other documents to be used as format guides. I will also give PNL a copy of B&W Apollo's final decommissioning EA.

According to PNL, the atmospheric data contained in SMC's ER is sufficient to do a routine release dose calculation. Atmospheric releases from the bag house vents and stack and the lime pile will be modeled. Accident scenarios, such as the effects of a tornado on the lime pile will also be addressed. Overland runoff from the piles will be based on actual data (measurements) contained in SMC's characterization report. David was concerned that Hope Creek's environmental data was used extensively by SMC and that some of it may not be applicable.

We described SMC's non-radiological environmental contamination (chromium and PCE in the groundwater) and their current cleanup efforts. Jerry described our relationship with New Jersey Department of Environmental Protection and Energy (NJDEPE). He intends to supply a copy of the 90-95 percent complete EA, to NJDEPE and EPA for review.

David indicated that he will generate an annotated outline of the EA and submit it for NRC review. Following NRC approval, he will arrange an internal meeting at PNL and provide responsibilities to each member of PNL's EA team. Each member of the team will review NRC-supplied data and provide David a list of data needs. A site visit will be arranged and the additional data request will be presented and discussed with SMC. I suggested that if PNL finds it difficult to prepare a list of data needs before mid-December, we could push the site visit to early January.

David indicated that after submitting the 60 percent complete EA for NRC review, PNL will submit a 90-95 percent complete EA as well. Submittals of the draft and final EA's would be in the form of hard copies and WordPerfect files on IBM PC diskettes.

David suggested that the next meeting at the NRC should be arranged on a Friday to reduce travel costs. Jerry told David that an NRC visit to PNL may be arranged sometime during the project. David thought that would help the already tight budget. He indicated that the proposed schedule is attainable.

RESPONSIBILITIES:

NRC

- I. Send PNL copies of SMC RI, and B&W Appollo's approved decommissioning EA. 11/23/92
- II. Determine which environmental permits might prove useful to PNL. Request SMC for copies of those permits. 11/26/92
- III. Request SMC's NESHAPS calculations. 11/26/92
- IV. Arrange PNL/NRC Shieldalloy site visit. 1/28/93

PNL

- I. Review information and submit to the NRC, an annotated outline of the EA. 12/18/92
- II. Determine additional data needs and submit list to NRC. 1/8/93

/S/

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