



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 21, 1994

Mr. John Abbott
Battelle Pacific Northwest Laboratories
Battelle Boulevard
Sigma IV, Rm 402, MS K-6-60
Richland, Washington 99352

SUBJECT: SHIELDALLOY ENVIRONMENTAL ASSESSMENT ANNOTATED OUTLINE

Dear Mr. Abbott:

I have reviewed the annotated outline (enclosure 1) which you submitted to me by electronic mail on October 27, 1994, for my review regarding the environmental assessment (EA) for Shieldalloy Metallurgical Corporation's license renewal request. The proposed outline is acceptable with the following revisions:

1. **Section 3.4, Effluent Control, Waste Management, and Disposal**, should include a discussion on both the radiological and non-radiological effluent/waste streams of the licensed process.
2. **Section 3.5, Transportation of Raw Materials and Products**, should be discussed in general terms as background information. Transportation of ore to the site is conducted under general license, and source material is not transferred from the site. An in-depth discussion of on-site transportation (e.g., slag from Building D-111 to the slag storage yard) may be discussed here.
3. **Section 3.8, Existing Contingency Plans**, may become optional depending upon responses to NRC's request for additional information. Shieldalloy is not required to have an emergency plan and any disclosure of such a comparable plan by Shieldalloy would be only for background information.
4. **Section 3.9, Other Manufacturing Processes at SMC**, would be better placed as a subheading under **Section 3.2, Description of the Facility**.
5. **Section 3.10, Relicensing History**, would be better placed as a subheading under **Section 3.1, Background**.
6. In **Section 4.2.4, Relicensing Does Not Occur**, and **Section 7.4, Relicensing Does Not Occur**, the sentence "The production of FeCb...elsewhere..." should be replaced with "The production of FeCb would cease at the Newfield site."
7. The final sentence in **Section 5.7, Existing Radiological Conditions in the Environment**, contains grammatical errors.

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Mr. John Abbott

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8. In Section 7.4, Relicensing Does Not Occur, the term "source material" should be replaced with "pyrochlore." At present, Shieldalloy has no plans to use the "source material" in the slag storage yard.

By electronic mail on November 4, 1994, you requested additional documents for review. Those documents are provided as Enclosures 2 through 8.

If you have any questions, please call me at 301-415-8106.

Sincerely,

Original signed by:

Gary C. Comfort, Jr.
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

Docket 40-7102
License SMB-743

Enclosures:

1. Annotated Outline
2. Shieldalloy's 1993 Conceptual Decommissioning Plan
3. February 10, 1993, letter from SMC to NRC
4. NRC Inspection Report 40-7102/93-01
5. July 22, 1994, ATSDR Letter re Shieldalloy
6. July 29, 1994, NRC to SMC re: 40-7102/93-01
7. NRC Inspection Report 40-7102/94-01
8. SMB-743, Amendment 10

DISTRIBUTION: w/o encls.

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