

Docket 40-7102
License SMB-743

JAN 12 1994

Mr. James P. Valenti
Radiological Safety Manager
Shieldalloy Metallurgical Corporation
12 West Boulevard
P.O. Box 768
Newfield, New Jersey 08344

Dear Mr. Valenti:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR ENVIRONMENTAL ASSESSMENT
(TAC NO. L21474)

To complete our environmental assessment for renewal of the Shieldalloy Metallurgical Corporation license, we request that you respond to the enclosed questions and comments. These are the same questions that were transmitted to you in a letter dated September 13, 1993, from Mr. John Abbot of Pacific Northwest Laboratories.

As discussed in past conversations, if you do not understand these questions/comments, please contact me for clarification. If some of these comments have been responded to in previous correspondence to the Nuclear Regulatory Commission, you may identify the correspondence containing your response instead of resubmitting it.

Your responses to these comments and questions should be provided by January 30, 1994. If you require an extension, please request it in writing with an explanation for the increase in time.

If you have any questions, please call me at (301) 504-2667.

Sincerely,
Original Signed By:
Gary C. Comfort, Jr.
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards

Enclosure: As stated

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Docket No. 40-7102

NRC File Center

PDR

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MAdams

OFC	FCLB	E	FCLB	E	FCLB	E		
NAME	GComfort		VHarpe		MTok			
DATE	1/10/94		1/10/94		1/12/94			

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

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Request for Additional Information
Application Dated February 10, 1993
Shieldalloy Metallurgical Corporation
Docket 40-7102

Please provide the following information:

1. The STAR data previously transmitted to us in your last response did not include meteorological data from 12:00 midnight to 10:00 am. Please submit the missing data on a 3 1/2" diskette.
2. Provide the status of your formal Radiation Protection Program -- the status of IOPs, program description, and in particular, the environmental monitoring program.
3. Submit data for any analytical studies completed on the slag and lime piles; in particular, provide the following information:
 - What are the pH values of these piles?
 - In what chemical form(s) are the uranium and thorium isotopes found in the piles? What else is found in the analytical composition of the piles?
4. Indicate how many "Area-TLDs" are found in and around the facility and show their locations.
5. Include the names and addresses of any world competitors which produce ferro-Columbian metal alloys.
6. Is ferro-Columbian defense related or unique?
7. Include any safety and/or environmental studies conducted on the transportation of the pyrochlore to the site.
8. Provide information on any biological studies performed on the riparian/wetland area adjacent to the site and any ecological risk studies performed for the site and surrounding area.
9. Provide information on any new programs implemented to meet new requirements under 10 CFR Part 20. Do you expect any negative impacts from the implementation of the new 10 CFR Part 20 requirements?
10. What non-radiological byproduct streams (if any) are produced from the production of ferro-Columbian?
11. What is the analytical composition of the pyrochlore (both radioactive and non-radioactive constituents)?
12. Page 15, paragraph 3.3, of the Environmental Report (SMC, 1992) states that "...kerosene, cutting oil...liquid argon, and acetylene" are used as part of the "routine operations." Are these or any other chemicals, solvents, additives, degreasers, etc., used exclusively for any aspect of the ferro-columbian process (including pre- and post-processing activities)? If so, please list them and their functions.
13. Submit a copy of the latest Remedial Investigation Technical Report prepared by your consultant, TRC Environmental Consultants, Inc., and include all appendices.