

February 9, 2000

Mr. Michael Mocniak  
Vice-President, Secretary  
& General Counsel  
Fansteel, Inc.  
Number Ten Tantalum Place  
Muskogee, Oklahoma 74403-9297

SUBJECT: MEETING AGENDA

Dear Mr. Mocniak:

Enclosed is an agenda for the meeting planned between Fansteel and NRC staff on February 15, 2000. This meeting is being held at your request to discuss the content of Fansteel's future Environmental Report and general issues associated with NRC's review of Fansteel's Decommissioning Plan dated August 1999.

If you have any questions regarding this meeting, please contact me at (301) 415-5819.

Sincerely,

Original signed by  
Heather Astwood, Project Manager  
Licensing and International  
Safeguards Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

cc: John Hunter, Fansteel  
Al Shuckrow, Earth Sciences

Distribution: w/encl.

Docket 40-7580	PUBLIC	NRC File Center	NMSS r/f	FCSS r/f
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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If you have any questions regarding this meeting, please contact me at (301) 415-5819.

Sincerely,

A handwritten signature in black ink that reads "Heather Astwood".

Heather Astwood, Project Manager  
Licensing and International  
Safeguards Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

Docket        40-7580  
License        SMB-911

Enclosure: As stated

cc: John Hunter, Fansteel  
Al Shuckrow, Earth Sciences

**Fansteel/NRC meeting  
February 15, 2000  
1:00 - 4:30**

- |             |   |
|-------------|---|
| 1:00 - 1:15 | Introductions   |
| 1:15 - 2:00 | Environmental Report - To address any questions from the licensee concerning the content of an environmental report. Also discuss the general format of the Draft Environmental report outline submitted by Fansteel. |
| 2:00 - 3:00 | Decommissioning Plan - To discuss NRC's questions which have arisen during the review of the decommissioning plan. See general questions in Attachment A.   |
| 3:00 - 4:00 | Institutional control - To discuss NRC's questions with regard to the proposed Institutional control information. See general questions in Attachment B.  |
| 4:00 - 4:30 | Discuss schedules for submittals and reviews. Also any additional issues raised by either Fansteel or NRC staff. Note that financial assurance issues will not be addressed in this meeting.                          |

Enclosure

# Attachment A

## General Decommissioning Plan Issues

### Design Review

Hydrology: Discussion of the peak Probable Maximum Flood (PMF) or dam failure analyses. Some questions include:

- an analyses of the Probable Maximum Flood and flood levels.
- an analyses of flood levels associated with single or multiple failures of upstream dams.
- the use of unsteady flow models and information related to the hydrologic design of the various dams upstream of the site.

Geochemistry: Discussion of the Treatability Study Report (TSR). Some questions include:

- the appendix C CoreLab analysis values for K-40 in Section 2.
- table 11 drinking water values for fluoride, cadmium, and lead which exceed drinking water standards.
- the variability of the fluoride concentration and the effectiveness of  $\text{CaCl}_2$  in restoring mechanical strength as described in Sections 2.6 and 2.7.
- the fluoride concentrations and how they relate to the mechanical strength of the S/S cylinder samples from mix No. 3.

Dose Modeling: Discussion of the RESRAD analysis. Some questions include:

- the use of a runoff coefficient of 0.99 in lieu of 0.95.
- the use of hydraulic and transport parameters for shale in lieu of those for sand to represent the saturated zone.
- the depth of intake wells and aquifer thickness used in the model.
- the timing for shutdown of the groundwater collection system.

## **Attachment B**

### **General Institutional Control Issues**

#### **1) Maintenance**

- Who will be responsible for maintenance of physical controls?
- What will be the scope of potential repairs and maintenance and what will the frequency for these actions over the long term?
- How will the maintenance and control obligations be documented and enforced?
- Who will have the enforcement authority?
- What will be monitored over the long term and who will do it?

#### **2) Site custodian**

- When will Fansteel be in a position to determine which entity will become the custodian?
- For the custodian chosen, why will it be in a position to provide oversight for the long-term and why is it capable of carrying out these responsibilities?
- What will happen if the custodian does not carry out its responsibilities?

#### **3) Financing the institutional controls**

- How does Fansteel plan to establish the financing?
- How would provisions be made to replace the trustee?
- What are the planned post closure corrective actions and emergency response actions?