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Energy/
Environment
Systems Division

January 29, 1991

Mr. Tin Mo, Project Manager
Office of Nuclear Materials Safety
and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: SCOPING STUDY OF THE FANSTEEL METALS INC. SITE -
DOCKET NO. 407580, LICENSE NO. SNB911

Dear Mr. Mo:

On January 16, 1991, Tim Vitkus and I visited the NRC Region IV Office, to conduct a background review of the operational history of Fansteel Metals, Inc. Information was obtained from the Work Plan, the Decommissioning Plan, and the Docket File. On January 17, we accompanied Mike Vasquez, inspector with the NRC Region IV Office, to Fansteel for a preliminary scoping study and survey. We attended a briefing meeting with Carole Vaughn, QA Manager for Fansteel, to discuss current facility status and define Oak Ridge Associated Universities' capacity with the NRC regarding Decommissioning and Decontamination projects (D&D).

Following the meeting, we toured the site and process facilities. This included settling ponds, the Chem A Building, and the Chem C Building. A cursory gamma scan was conducted near settling ponds 2, 3, and 5, around frequently traveled areas, and in the area where contaminated equipment is stored. A request by ORAU to collect soil samples during our visit was denied by Fansteel; however, Carole Vaughn did indicate that in the future it may be possible for a sample collected during routine sampling to be split for analyses by ORAU or we may receive a sample that has been analyzed for Fansteel to perform confirmatory analyses.

After the tour we met with Ted Pantle, RSO for Fansteel. We briefly discussed the current D&D activities in the warehouse storage area, the type of survey instrumentation used, the monitoring program for decontamination work, and procedures for decontamination activities.

Based on the information obtained during ORAU's visit to the regional office and to Fansteel, ORAU will provide to you a summary of our observations and findings of the current site status, activities, and D&D plans. Recommendations applicable to the current and proposed D&D activities and procedures will also be provided.

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ADD: TIN MO & Florence Brown

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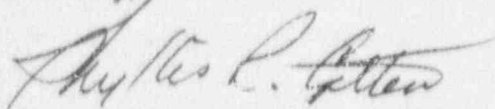
Mr. Tim Mo

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January '9, 1991

If you have any questions, please feel free to contact Tim Vitkus at (FTS) 626-5073 or myself at (FTS) 626-3355.

Sincerely,



Phyllis R. Cotten
Staff Health Physicist
Environmental Survey and
Site Assessment Program

PRC:jls

cc: W. Beach, NRC/Region IV
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M. Vasquez, NRC/Region IV
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Site File: Fansteel/#171