

FCLM:EGW

Fansteel, Inc.  
ATTN: Mr. J. G. Duggan  
One Tantalum Place  
North Chicago, IL 60064

Gentlemen:

This refers to:

1. Your application dated March 31, 1978, and revisions dated September 22, 1978, October 3, 1978 and November 17, 1978.
2. The telephone conversation of November 30, 1978, between Mr. James Pierret and the undersigned.

We concur with construction of basin No. 3 provided the following conditions are satisfied (Note: This letter does not constitute approval to use the completed basin. License No. SMB-911 must be amended to approve use of the basin):

1. Fansteel shall provide the following information for NRC review following completion of construction of basin No. 3 and prior to amendment of License No. SUB-911 to permit use of basin No. 3.
  - A. A report from the Soils Engineer documenting inspection, testing and approval of all earthwork. The report should include summaries of compaction tests, material identification tests, and evidence for subgrade approval of exposed materials prior to fill construction. The reports on subgrade approval should indicate either that all existing fill was undercut from embankment areas or that existing fill left in place was adequately investigated (by test borings or test pits) and found to be acceptable with respect to the design assumptions.
  - B. A report giving revised details or amendments to the details already provided which document the as-built conditions, including details of the perimeter tile drain system and the gradation of the granular filter over the tile drain.
  - C. A report of the flow rate from the tile drain system at significant times (at least monthly) until the construction is completed. This report is to be provided to NRC with the as-built conditions report.

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2. In connection with any approval granted for the use of basin No. 3 for storage of licensed material, we will require that a freeboard of at least 80 inches be maintained.

In addition, within six months following receipt of this letter, Fansteel shall submit a plan for the decontamination and return to non-radiological use of all facilities, equipment and areas of use authorized under authority of License No. SMB-911. The plan should specifically address the matter of disposition of the radioactive materials contained in each of the ponds and the associated time schedule. The plan should also address the financial arrangements which will be made to assure sufficient funds will be available to carry out the plan. The decommissioning plan shall be in sufficient detail to enable an independent review and shall be submitted as an application for amendment of License No. SMB-911. (Refer to Enclosure 1).

Sincerely,

Earl G. Wright  
License Management Branch  
Division of Fuel Cycle and  
Material Safety

Enclosure: Guidelines for  
Decontamination of Facilities and  
Equipment ....

cc: LWHeller  
LGHulman

FCLM  
EGWright:bjp

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