

40-1341/RFB/85/05/03/0

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MAY 16 1985

URFO:RFB

Docket No. 40-1341

04001341273E

Tennessee Valley Authority

ATTN: J. W. Hufham

500A Chestnut Street - Tower II

Chattanooga, Tennessee 37401

Dear Mr. Hufham:

By letters dated December 20, 1984, and April 23, 1985, Source Material License No. SUA-816 was amended to authorize construction of the clay perimeter liner, perimeter diversion ditch and containment dam at the new disposal site. Thus, TVA has received specific authorization to construct the disposal site embankment, perimeter clay liner, and perimeter drain system in accordance with License Condition Nos. 40, 41 and 36, respectively. In order that there be no misunderstanding regarding our intent in issuing these amendments, enclosed is a copy of Chapter 5, excerpted from Report No. 10 of your September 19, 1983 submittal. Note that the contractor's recommendations are underlined, while the "shoulds" and "wills" have been changed to "shalls" and bracketed.

The only exception to these requirements is that the lift thickness placement requirement for the first clay layer in the perimeter liner and cutoff trench shall be placed in a thickness great enough to protect the underlying competent shale from the compacting unit's peg feet.

We note that in Chapter 5 the contractor offered specific construction suggestions in several instances. On pages 5-33, 5-34 and 5-40, test embankments or sections are suggested, and on page 5-41, specific controls and tests are suggested. You are requested to address each of these suggestions and indicate either your intent to follow the suggestion or your proposed alternative. Provide substantiation that any alternatives proposed will adequately accomplish the same objectives as the contractor's suggestion.

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Prior to the placement of any contaminated material in Cell No. 1, NRC will review construction quality assurance procedures, which we understand are being transmitted to us to assure that they adequately address our previously discussed concerns.

Should you have any questions, please contact Mr. Randy Brich on FTS 776-2814.

Sincerely,

Original Signed By
Edward F. Hawkins

Edward F. Hawkins, Chief
Licensing Branch 1
Uranium Recovery Field Office
Region IV

Enclosure: As stated

OFC	: URFO	: <i>RAB</i>	: URFO	: <i>EBH</i>	:	:	:	:	:
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