OSR 3-4A

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CC: T. L. Davis, 706-1H
J. C. Bailey, 706-1H

INTER-OFFICE MEMORANDUM

SAVANNAH RIVER PLANT

May 1, 1978

TO: O. M. MORRIS

FROM: C. COMLY, IV CIV

TANK 16 ANNULUS SALT ANALYSES
MINUTES OF MEETING AT SAVANNAH RIVER LABORATORY ON APRIL 27, 1978

Attending: L. R. Austin, A. J. Hill, L. Reynolds, R. S. Swingle, G. W. Wilds, J. Okeson, T. L. Davis, and C. Comly

Analysis of tank 16 annulus salt under inspection port 118 showed the salt was insoluble in water. Since water was being used to dissolve the annulus salt, annulus cleaning was terminated to avoid delaying the primary tank sludge removal demonstration. Additional samples of the tank 16 annulus residue were taken under IPs 151, 207, and 262. This meeting was held to establish a program for development of a process to remove water insolubles from tank annuli.

Program:

- o Separations Chemistry Division, at the request of the Separations Engineering Divison, will analyze the tank 16 salt samples taken from annulus IPs 151, 207, and 262 to determine how representative the sample from IP 118 was of the annulus residue.

- o Waste samples from one or more of the contaminated annuli in the waste farm will be taken to determine if water insolubles exist in other annuli.

- o While another meeting is anticipated to discuss further program directions once the analyses are completed, the general line of thought is that a process will be developed to remove the water-insoluble salt in the annulus of tank 16. SRL will obtain or create the mineral found in the IP 118 sample to test proposed processes. If samples of salt from other annuli indicate the same water insolubility, a more conservative process may have to be developed than one which could be used in the annulus of tank 16 on a one time basis.

CC:mfh