

WM55/DMS/85/09/24

SEP 25 1985

- 1 -

WM Record File

WM Project 55

Docket No.

PDR

LPDR

Distribution

DISTRIBUTION: 831

WM s/f

WMLU r/f

NMSS r/f

RE Browning

MJ Bell

JO Bunting

D Sollenberger

RD Smith, URFO

D Martin

PDR

Mr. John Themelis, Project Manager
Albuquerque Operations Office
U.S. Department of Energy
Post Office Box 5400
Albuquerque, New Mexico 87115

Dear Mr. Themelis:

We have reviewed the Radiological and Engineering Assessment (REA) for the Central Valley Water Reclamation Facility (CVWRF) in Salt Lake City that was prepared by the State of Utah and forwarded to us by Mark Matthews of your office. Based on the results of this review, we conclude that the revised REA adequately addresses the October 22, 1981 NRC comments on the draft REA, and therefore resolves the concerns expressed in our January 4, 1985 letter to you.

NRC hereby concurs in the REA preferred Option 2 conditional to the items listed in the enclosure. This option involves application of supplemental standards to the contaminated materials under and adjacent to tanks in order to preserve structural integrity of existing tank foundations.

Note that in accordance with Condition A of the enclosure, concurrence in the CVWRF remedial action does not include the staging area and the area for the Taylorsville-Bennion sewer line bypass. These areas are on the Vitro processing site and their cleanup and certification for unrestricted use must be handled as part of the Vitro site cleanup.

Should you have any questions regarding this transmittal, please contact me or Dennis Sollenberger of my staff.

Sincerely,

Original signed by

Leo B. Higginbotham

Leo B. Higginbotham, Chief
Low-Level Waste and Uranium
Recovery Projects Branch
Division of Waste Management
Office of Material Safety
and Safeguards

8510280511 850925
PDR WASTE PDR
WM-55

Enclosure:
As stated

cc: Mark Matthews (DOE/AL)
Mark Day (Utah Dept. of Health)

WMLU DMS
D Sollenberger
85/09/24

WMLU DM
D Martin
85/09/24

WMLU
LB Higginbotham
85/09/25

ENCLOSURE

Conditions for Presently Scheduled Work at the
CVWRF Vicinity Property in Salt Lake City

Condition A

NRC concurrence is not applicable to any portion of the planned work for CVWRF expansion which occurs on the Vitro processing site.

Condition B

The depth of excavation of the contaminated material shall be limited only where there is a clear and definite threat to the stability of the CVWRF tank structures.

Condition C

Fill material shall be selected and the placement of fill material shall be designed to reduce, to the extent practicable, the amount of radon released from contaminated material left in place. At least four feet of fill material shall be placed over any contaminated material left in place.

Condition D

During excavation sufficient soil samples shall be taken and boreholes made to adequately characterize the levels and extent of contaminated material to be left in place. The elevations of the CVWRF tank structures' bottoms shall be accurately determined and, if possible, the depth of contamination under the tank structures shall be determined.