

40-8783/RFB/85/06/12/0

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Docket File 40-8783
PDR/DCS
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URFO r/f
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JHaes, RCPD, WY

JUN 27 1985

URFO:RFB
Docket No. 40-8783
04008783320E

MEMORANDUM FOR: Docket File No. 40-8783

FROM: Randall F. Brich, Project Manager
Licensing Branch 1
Uranium Recovery Field Office, Region IV

SUBJECT: REVIEW OF URANERZ U.S.A., INC., QUARTERLY REPORT
(JANUARY-MARCH 1985) FOR THE RUTH IN SITU R&D
SOLUTION MINE - STABILIZATION PHASE

By letter dated April 23, 1985, Uranerz U.S.A., Inc. (UUS) submitted the first quarter environmental monitoring report for 1985, in compliance with License Condition No. 38 (SUA-1401). This memorandum presents URFO staff review of this data with respect to past data and applicable standards.

Water Quality and Excursion Control

Restoration ceased as the facility entered the stabilization phase on January 11, 1985. In accordance with License Condition No. 15, quarterly monitor, domestic water, and the remote and surface water well sampling was discontinued since no excursions were previously reported. Documented daily checks of the leak detection system at the two solar evaporation ponds, which were conducted in compliance with License Condition No. 22, reported that there were no leaks. All discharges to the evaporation ponds have been discontinued.

Monitor well piezometric level data was collected bi-weekly and reported in compliance with License Condition No. 19. This data exhibits fluctuations in comparison to previous quarters. Water level fluctuations were directly associated with the oil water well drilled down dip of the site. The effects of this water removal were documented in a report submitted by UUS on May 14, 1985. No significant impact on

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water quality in the monitor wells 1-M-20 and 4-M-20 were noted. Review of the stabilization data for the first 3 months of stability indicates that chloride and sulfate exceed the baseline on a wellfield average. In order to facilitate review of stabilization parameters, individual well analyses have been requested.

Personnel Safety Monitoring

Working level values, personnel gamma ray exposure rates, and gross alpha measurements were performed at the required frequency and sensitivity in accordance with License Condition No. 41. No upward significant trends were noted, and exposures were within applicable limits. Layoff of personnel commenced during the third quarter of 1984, and layoffs terminated on January 11, 1985, at which time only two employees were retained.

Conclusion

No problems or significant trends were identified during the beginning of the stabilization phase. Reported data were within applicable limits, and in accordance with applicable license conditions. Therefore, no further action is warranted. Review of the adequacy of stabilization is being conducted under a separate case (04008783301E).

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Randall F. Brich, Project Manager
Licensing Branch 1
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Original Signed By
Edward F. Hawkins

Approved by:

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

Case Closed: 04008783320E

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