

Docket File 40-8783
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40-8783/RFB/85/09/12/0

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URFO:RFB
 Docket No. 40-8783
 04008783340E

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. SECOND QUARTERLY
 REPORT (APRIL - JUNE 1985) FOR THE RUTH IN SITU
 R&D SOLUTION MINE - STABILIZATION PHASE

By letter dated August 15, 1985, Uranerz U.S.A., Inc. (UUS) submitted the second quarter 1985 environmental monitoring report for the Ruth ISL R&D facility, in compliance with License Condition No. 38 (SUA-1401). The report covers the period from April 1, 1985 through June 30, 1985. This memorandum presents URFO staff review of this data with respect to past data and applicable standards.

Water Quality and Excursion Control

The facility has remained in the stabilization phase since January 11, 1985. In accordance with License Condition No. 15, quarterly monitor, domestic water and the remote well and surface water sampling were 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. The previous monitoring report stated that no discharges to the evaporation ponds were occurring. However, routine discharges to the evaporation pond are comprised of about 1-2 casing volumes per well for each of the 11 wells during the monthly sampling necessary to demonstrate stabilization. UUS states that this small volume of untreated water is unlikely to significantly alter the pond's water chemistry. Thus, License Condition No. 21 which requires monitoring of the "bleed" solution from the reverse osmosis unit does not

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apply, since the R.O. unit is not operating. UUS maintains the NPDES monthly reports, but states that no discharges from the ponds have occurred.

Monitor well piezometric level data was collected biweekly and reported in accordance with License Condition No. 19. The water levels have returned to the original static levels prior to the impact from the oil well water removal (see memorandum to Docket File No. 40-8783, dated June 27, 1985). Wellfield stabilization has completed the required six-(6) month period, and a separate review of the stabilization data is currently ongoing (see casework No. 04008783301E).

Personnel Safety Monitoring

Working level values and personnel gamma ray exposure rates were performed in accordance with License Condition No. 41. No upward significant trends were noted, and exposures were less than three (3) and ten (10) percent or their respective MPC.

Conclusion

No problems or significant trends were identified during the end 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 (No. 04008783301E).

/s/

Randall F. Brich, Project Manager
Licensing Branch 1
Uranium Recovery Field Office
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Approved by:

SLW JAW

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

Case Closed: 04008783340E

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