

Rec'd LFHB
9/9/85

DISTRIBUTION

Docket File 40-8728
PDR/DCS
DEangart, RIV
Swastler
URFO r/f
WDEQ
JHaes, RCPD, WY

40-8728/SLW/85/09/03/0

- 1 -

SEP 06 1985

URFO:SLW
Docket No. 40-8728
04008728410E

MEMORANDUM FOR: Docket File No. 40-8728

FROM: Sandra L. Wastler, Project Manager
Licensing Branch 1
Uranium Recovery Field Office, Region IV

SUBJECT: TETON EXPLORATION'S SECOND QUARTERLY REPORT
FOR 1985 - LEUENBERGER R&D SITE

The Leuenberger site remained shutdown during the second quarter of 1985, with site decontamination and decommissioning activities in progress. Site activities during the quarter included routine monthly site and plant building security check, monthly in-plant radiation monitoring and quarterly environmental sampling.

Environmental and in-plant radiological monitoring for radon was performed as required. Upwind and downwind site boundary 48-hour composite radon samples were collected in June 1985, and were less than 1 percent of the 10 CFR Part 20 MPC limit of 3×10^{-8} uCi/ml for restricted areas. Monthly in-plant Radon-222 concentrations monitored at six locations averaged 3.828×10^{-9} uCi/ml with a high of 1.04×10^{-8} uCi/ml. These values represent 13 percent and 35 percent of the 10 CFR Part 20 MPC limits for restricted areas, respectively. The higher value of 1.04×10^{-8} uCi/ml for the May sample taken at the bay door appears to be due to the plant being closed up for 1 month prior to survey since the concentrations returned to normal for the June sample.

The solar evaporation pond, liners and leak detection systems were checked monthly. No leakage of pond water into the leak detection system was noted.

C :	8509170027	850906	:	:	:	:
ME :	PDR	ADOCK	04008728	:	:	:
TE :	C	PDR	:	:	:	:
TE :	85/09/03	:	:	:	:	:

40-8728/SLW/85/09/03/0

- 2 -

SEP 06 1985

No follow-up actions are necessary.

/s/

Sandra L. Wastler, Project Manager
Licensing Branch 1
Uranium Recovery Field Office
Region IV

Original Signed By
Edward F. Hawkins

Approved by:

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

Case Closed: 04008728410E

C : URFO	: URFO	:	:	:	:	:
ME : SWastler/lv	: EHawkins	:	:	:	:	:
TE : 85/09/03	: 9/6/85	:	:	:	:	: