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40-8728/GRK/85/12/13/0

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DEC 23 1985

Docket File 8728
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LLW Branch

URFO:GRK
Docket No. 40-8728
04008728430E

MEMORANDUM FOR: Docket File No. 40-8728

FROM: Gary R. Konwinski, Project Manager
Licensing Branch 2
Uranium Recovery Field Office, RIV

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

The Leuenberger site remained shutdown during the third quarter of 1985. During the quarter, activities included decontamination and decommissioning as well as routine monthly site and plant building security checks, monthly in-plant radiation monitoring and quarterly environmental sampling for radon.

Routine security checks indicated that all visits to the restricted area were recorded in a log book. The nature of the visits indicates that waste removal and decommissioning were the major site activities. All visitors were accompanied by Teton employees while on site. The quarterly log book entries, an attachment to the quarterly report, also indicate that alpha surveying of all people as well as materials leaving the site routinely took place.

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 July, August, and September, 1985. The maximum radon concentration was 24 percent of MPC for restricted areas while the average radon values were less than 10 percent of 10 CFR Part 20 MPC limit of $3.0E-8$ uCi/ml for restricted areas. Monthly in-plant Radon-222 concentrations monitored at six locations averaged $1.32E-9$ uCi/ml with a high of $7.32E-9$ uCi/ml. These values represent less than 1 percent and 24 percent of 10 CFR Part 20 MPC limits

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for restricted areas, respectively. These values are typical of the radon concentrations normally encountered at the site.

The north solar evaporation pond had its liner, sludge and substatum excavated and transported to a licensed uranium mill tailings impoundment for disposal. The south pond remains in place with monthly checks of the leak detection system being routinely performed. During this quarter there was no evidence of leakage.

Activities at the site are limited to radon monitoring and decommissioning. These activities were carried out as required by License Condition No. 35 of Source Material License SUA-1373. Therefore, no followup actions are necessary.

/s/
Gary R. Konwinski, Project Manager
Licensing Branch 2
Uranium Recovery Field Office, RIV

Approved by:

/s/
Harry J. Pettengill, Chief
Licensing Branch 2
Uranium Recovery Field Office, RIV

Case Closed: 04008728430E

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