

40-8697/SLW/85/05/21/0

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MAY 30 1985

URFO:SLW
Docket No. 40-8697
04008697260E

MEMORANDUM FOR: Docket File No. 40-8697

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

SUBJECT: ROCKY MOUNTAIN ENERGY COMPANY'S RENO CREEK R&D
QUARTERLY REPORT FOR THE FIRST QUARTER, 1985

In accordance with License Condition No. 29, Rocky Mountain Energy Company (RMEC), by letter dated May 14, 1985, submitted the first quarterly report for 1985. The quarterly report covers the period of January 1, 1985 through March 31, 1985. The NRC review of the report is contained in the following paragraphs.

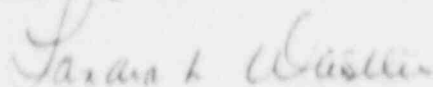
The facility remained shut down during the quarter. Activity was limited to routine ground-water monitoring of Pattern 1, inspection and water quality sampling of the evaporation pond, and environmental and in-plant radiological monitoring.

Ground-water monitoring data indicates that no excursion occurred during this quarter, and no leaks were reported in the evaporation ponds. Environmental and in-plant radiological monitoring was performed as required. Monthly upwind and downwind radon-222 concentrations for the quarter ranged from nondetectible to 57 percent of the 10 CFR 20 MPC to unrestricted areas at the upwind site boundary and nondetectible to 68 percent at the downwind site boundary. Site boundary air particulate concentrations of uranium, thorium-230 and radium-226 for the quarter were less than 1 percent of the MPC to unrestricted areas. Site boundary dosimeter measurements for this quarter were less than 7 percent of the 500 mRem annual dose to individuals in unrestricted areas, as specified in 10 CFR Part 20.105.

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Monthly in-plant radon-222 concentrations ranged from nondetectable to 8 percent of 10 CFR Part 20 MPC limits for restricted areas. Quarterly in-plant air particulate concentrations for uranium, radium-226 and thorium-230 for this quarter were less than 1 percent of 10 CFR 20 MPCs for restricted areas. During this quarter, area dosimeters at four locations within the plant and at each well field, showed levels that were less than 4 percent of the 1250 mRem quarterly dose limits to individuals working within the restricted areas specified in 10 CFR Part 20.101.

No follow-up actions are necessary resulting from this review.



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

Approved by:



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

Case Closed: 04008697261E