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40-8714/JAP/82/08/20/2

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WMUR:JAP
 Docket No. 40-8714
 04008714140E
 04008714160E
 SUA-1352

MEMORANDUM FOR: Docket No. 40-8714

FROM: Jeffrey A. Pohle
 Operating Facility Section I
 Uranium Recovery Licensing Branch
 Division of Waste Management

SUBJECT: REVIEW OF CLEVELAND CLIFFS QUARTERLY REPORTS FOR THE PERIODS JANUARY - MARCH AND APRIL - JUNE, 1982

1. Program Status

All restoration activities have been suspended pending completion of both Wyoming Department of Environmental Quality (WDEQ) and NRC review of the adequacy of restoration achieved to date. CCIC is of the opinion all groundwaters have been adequately restored. WDEQ has recently determined that the restoration effort does not meet the minimum requirements of pre-mining quality of use. WDEQ - Water Quality Division has determined that the pre-mining quality of use is Class I - Domestic. NRC conclusions on the adequacy of restoration at the Collins Draw Site, currently in draft form, are in agreement with those of WDEQ. Development and implementation of future restoration activities will require coordination between CCIC, WDEQ and NRC. All environmental and radiation safety monitoring is continuing as required by the Source Material License.

2. Water Quality and Lixiviant Migration Control

From the data submitted it appears that the ground-water quality of the monitor wells surrounding the well fields has improved considerably during restoration operations, particularly after a groundwater sweep was initiated from the B well field. There are still some ground water quality indicators (arsenic in well 240W and uranium in well 238W) which exceed Wyoming Class I standards.

It appears that some restoration activity occurred during June 8-11, 1982. A total of 221,000 gallons of water were discharged to the surface, presumably from the B well field. Evidently, a new resin was being tested for radium 226 removal. The groundwater sweep of the B well field was originally terminated in March, 1982 because of uranium and radium concentrations exceeding the NPDES discharge limitations (refer to

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my memo of June 3, 1982). The results of the June test yielded concentrations of 8.5 mg/l uranium and 29 pCi/l radium in the discharge stream which exceeded the discharge limits of 5.0 mg/l uranium and 15 pCi/l radium. The test was terminated and a notification of noncompliance submitted to WDEQ-WQD. This information was included with the quarterly report as required by License Condition No. 34.

3. In-Plant Radiation Monitoring Program

CCIC's quarterly reports state that sampling results for radon/radon daughters still show levels below 25% of applicable MPC's specified in 10 CFR Part 20.

The measured uranium particulate concentrations are fractions of a percent of the applicable MPC specified by 10 CFR, Part 20.

Summary of Follow Up Actions

No follow-up actions are required as a result of this review of CCIC's quarterly reports. NRC review of all restoration results is nearing completion under a separate case number

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Approved By:

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John J. Linehan, Section Leader
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CC: W. C. Ackerman, WDEQ-LQD

Case Closed: 04008714140E
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