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WM-39

Department of Energy

Grand Junction Projects Office
Post Office Box 2567
Grand Junction, Colorado 81502-2567

RETURN ORIGINAL TO PDR, HQ.

April 16, 1992

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Mr. Ramon Hall, Manager
Nuclear Regulatory Commission
Uranium Recovery Field Office
Post Office Box 25325
Denver, CO 80223

SUBJECT: Approval of Remedial Action Design Package Utilizing Supplemental
Standards for Riverfront Dike Area in Grand Junction, CO

Dear Mr. Hall:

Enclosed is one copy of the Radiologic and Engineering Assessment (REA) for
the following location:

GJ-97015-OT	1350 S. 5th Street
GJ-43848-CC	1350 S. 5th Street
GJ-43850-CC	1360 S. 5th Street
GJ-09471-CC	1360 S. 5th Street
GJ-09472-CC	533 Struthers Avenue
GJ-09473-CC	535 Struthers Avenue
GJ-09474-CC	537 Struthers Avenue
GJ-09476-CC	601 Struthers Avenue
GJ-00694-CC	655 Struthers Avenue

The REA has been reviewed and approved by the Department of Energy and is being forwarded to the Nuclear Regulatory Commission for their review and approval. The engineering assessment does propose utilization of EPA supplemental standards for approximately a three-acre area between the North Channel of the Colorado River and ten feet south of the south toe of the proposed Corps of Engineers dike. The tailings range in depth from 6 to 147 inches, and this supplemental standards application will apply to the tailings with depths greater than 24 inches. The top 24 inches of contamination will be removed and backfilled. Full remediation is either planned or has been completed for all contaminated areas beneath the footprint of the dike and to the north of the dike. The demarcation line was located ten feet south of the dike to provide some leeway should minor changes in the dike alignment occur. No habitable structures exist in this 100 year floodplain. The only existing structures are one outdoor sign, two dilapidated sheds and one small bridge. Because of the floodplain status, institutional controls are applicable through the City of Grand Junction's floodplain permit process. There is little potential for future migration because the tailings will be buried and institutional controls will be applied.

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PDR WASTE
WM-39 PDR

DESIGNATED ORIGINAL

Certified by Mary C. Hood

92-0419

DPR

Mr. Ramon Hall

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April 16, 1992

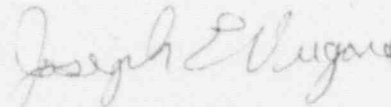
The DOE has evaluated three possible remedial action alternatives and the associated health risks, and has determined that partial remediation is the best alternative. The Health Risk Analysis suggests that there are no identifiable significant health risks if supplemental standards were applied to this strip of land.

This proposed course of action has been discussed with Colorado Department of Health, City of Grand Junction and Riverfront Commission representatives and the Owner of the outdoor sign at meetings and a site inspection. The City and Owner have expressed concern over the application of supplemental standards. As part of the Governor Romer (CO)/Bruce Twining (Albuquerque Field Office Manager) Agreement, a long-term tailings control and management plan is being developed. Public input meetings are tentatively scheduled for May 1992 in Grand Junction.

The justification checklist, property condition description, considerations, cost applications breakdown, justification and the property owner comments are included in the REA. The supplemental standards application is being requested because complete remedial action would result in an estimated cost which is unreasonably high relative to the long-term health benefits (criteria c).

After NRC has reviewed this document, and if you agree with the planned remedial action, please forward a letter concurring with this course of action by May 10, 1992. If you have any questions or require additional information, do not hesitate to contact me at 303/248-6006.

Sincerely,



Joseph E. Virgona
Supervisory General Engineer

w/o
Enclosure

cc: J Deckler - CDH/Denver, w/o enc.
G Franz - CDH/GJ, w/o enc.
S Arp - UMTRAPO/AL, w/o enc.
J Elmer - Geotech, w/o enc.