



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV
URANIUM RECOVERY FIELD OFFICE
BOX 25325
DENVER, COLORADO 80225

JUN 15 1992

Docket No. 40-WM039

Joseph E. Virgona, Supervisory
General Engineer
U.S. Department of Energy
Grand Junction Projects Office
P.O. Box 2567
Grand Junction, Colorado 81502-2567

Dear Mr. Virgona:

The NRC has completed a review of the Radiological and Engineering Assessment (REA) for Vicinity Property No. GJ-9099-CS, as submitted in your letter dated April 16, 1992.

Based on our review, we have concluded that the criteria for application of supplemental standards in 40 CFR 192.21(c) have been satisfied. Allowing the contaminated material to remain in place is reasonable under the circumstances, and the requirements of 40 CFR 192.22(a) are also satisfied.

We therefore concur with the application of supplemental standards as described in the REA for Vicinity Property No. GJ-90099-CS. Should you have any questions, please contact Paul Michaud at (303) 231-5809.

Sincerely,

Ramon E. Hall
Director

cc:
R. Quillin, RCPD, CO

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JUN 15 1992

bcc:
PDR/DCS
URFO r/f
LJCallan, RIV
LLUR Branch, LLWM
PMichaud
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PM: DREQ
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Hawkins
06/12/92

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REHall
06/14/92



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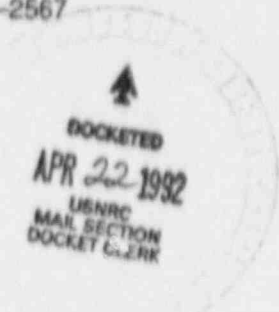
Department of Energy

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

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 Landmark Refinery in Fruita, CO

Dear Mr. Hall:

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

- GJ-90099-CS 1501 Hwy 6 and 50, Fruita
- GJ-17553-CS 1549 Hwy 6 and 50, Fruita
- GJ-34367-CS 1549 Hwy 6 and 50, Fruita
- GJ-38512-CS 1549 Hwy 6 and 50, Fruita
- GJ-38513-CS 1549 Hwy 6 and 50, Fruita

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 690 square foot concrete crude oil furnace foundation located within a petroleum refinery. The tailings are contained in the concrete aggregate of the 76 inch thick foundation of a 100 foot high furnace which is interconnected to the refinery piping network. The crude oil furnace is a permanent facility within the large industrial complex, which is expected to remain a refinery for the foreseeable future. The DOE proposes to leave the tailings in place, and there is little potential for future migration because of the nature of the facility and the control the owner has over it.

The DOE has evaluated three possible remedial action alternatives and the associated health risks, and has determined that no 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 G. A. Franz, Colorado Department of Health, Grand Junction Office, and representatives of Landmark Refinery (Owner) at meetings and a site inspection. The Owner has 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.

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Mr. Ramon Hall

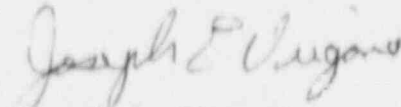
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April 16, 1992

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 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

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.