



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 6, 1998

Mr. George Pael, Director
U.S. Department of Energy
Albuquerque Operations Office
ERD/UMTRA
P.O. Box 5400
Albuquerque, NM 87185-5400

SUBJECT: GENERIC APPLICATION FOR SUPPLEMENTAL STANDARDS FOR DURANGO
PAVED STREETS AND ALLEYS

Dear Mr. Rael:

The U.S. Nuclear Regulatory Commission staff has completed its review of the Vicinity Property Radiological and Engineering Assessment (REA) for Paved Streets and Alley Durango, Colorado, submitted by the U.S. Department of Energy (DOE) August 12, 1997. DOE requested that the NRC review and approve the Generic Application for Supplemental Standards (GASS) portion of the REA. DOE subsequently provided the Certification Review Summary for this group of properties by letter dated January 26, 1998. After review of these documents, the NRC staff is providing concurrence on the application of supplemental standards, as described in the GASS.

The DOE GASS applies to approximately 19,000 cubic yards of residual radioactive material (RRM) overlain by paved streets and alleys, represented by 70 properties included in the Uranium Mill Tailings Remedial Action Project. The quantity of material is based upon limited information because of the cost and safety risk of obtaining additional characterization data. DOE has concluded that there are no significant identifiable health risks associated with the RRM remaining under the Durango paved streets and alleys, therefore, DOE proposes to apply supplemental standards (no remediation) to those areas based on the unreasonably high cost (six million dollars) of remediation relative to the long-term health benefits, as allowed under criterion c of 40 CFR 192.21.

The NRC staff determined that the GASS meets the U.S. Environmental Protection Agency's criterion c for application of supplemental standards and the NRC Review Form for Supplemental Certification of Vicinity Properties is enclosed. However, the staff also considers that there should be some assurance that, when the RRM is excavated during street or alley realigned or abandoned, or when utility lines buried beneath the streets are exposed, some control measures should be present to reduce radiation exposure. In order to assist with the



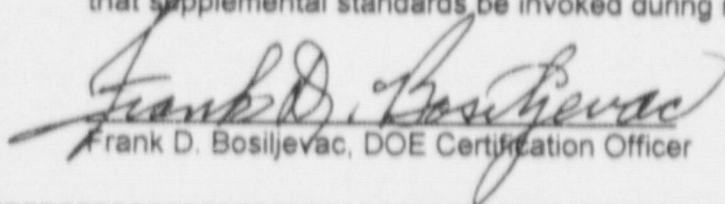
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NRC Review Form
for Supplemental Certification
of Vicinity Properties

The Department of Energy (DOE) has determined that the remedial action at the following vicinity property (VP) has been completed and thereby complies with supplemental standards invoked by DOE under 40 CFR, Subpart C, specifically Subsections 192.21 and 192.22.

- ☐ NRC concurrence for the Radiological Engineering Assessment (REA) was given on: _____
- ☐ Supplemental standards were not in the REA, special circumstances required that supplemental standards be invoked during remedial action.


Frank D. Bosiljevac, DOE Certification Officer

8/1/97
Date

Based on the information and certification provided by the DOE, the NRC:

☒ Concurs that the remedial action at the subject VP has been completed under its authority provided by the Uranium Mill Tailings Radiation Control Act (UMTRCA), Section 104 (f)(1) and as described in the Memorandum of Understanding (MOU), Appendix A, Section 3.4.

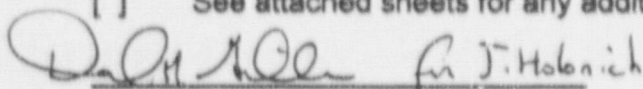
☐ Concurs, as above, except for the following conditions:

1. _____
2. _____
3. _____

☐ See attached sheets for any additional provisions.

☐ Needs additional information to make a concurrence decision. This information consists of:

☐ See attached sheets for any additional informational needs.


NRC Concurring Official and Title
Chief, Uranium Recovery Branch
DWM, NMSS

2/6/98
Date

G. Rael

- 2 -

future control of RRM excavated from beneath the paved streets and alleys, staff suggests that DOE provide the City and/or County of Durango with a copy of the GASS for Durango streets and alleys and any other data related to the properties included in the GASS.

If you have any questions concerning this letter, please contact the NRC Project Manager, Elaine Brummett, at (301) 415-6606.

Sincerely,

[Original signed by D. Gillen for]

Joseph J. Holonich, Chief
Uranium Recovery Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: L.A. Woodworth, DOE Alb
F. Bosiljevac, DOE Alb
E. Artiglia, TAC Alb

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DATE	2/4/98		2/6/98	4	2/6/98				

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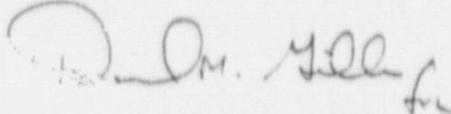
G. Rael

- 2 -

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If you have any questions concerning this letter, please contact the NRC Project Manager, Elaine Brummett, at (301) 415-6606.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. J. Holonich", with a stylized flourish at the end.

Joseph J. Holonich, Chief
Uranium Recovery Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: L.A. Woodworth, DOE Alb
F. Bosiljevac, DOE Alb
E. Artiglia, TAC Alb