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Department of Energy

Grand Junction Projects Office Post Office Box 2567 Grand Junction, Colorado 81502-2567 September 8, 1989

RETURN ORIGINAL 10 PDR, HQ.

Mr. Ed Hawkins, Branch Chief U. S. Nuclear Regulatory Commission Region IV, Uranium Recovery Field Office P. O. Box 25325 Denver, CO 80225

SUBJECT: Utility Worker Health Risk Analysis

Dear Mr. Hawkins:

Enclosed is Supplement No. 1 (Utility Worker Health Risk Analysis) for the following Supplemental Standards Applications (SSA) previously approved by the NRC:

GJ-97001-OT, North Avenue (28 Road to 29 Road, North Side)

GJ-97006-OT, 29 Road (North Avenue to Orchard Avenue)

GJ-97007-OT, Orchard Avenue (Indian Wash to 29 Road)

GJ-97008-OT, North Avenue (29 Road to 30 Road, North Side)

GJ-97009-OT, North Avenue (28-1/2 Road to 29 Road, South Side)

GJ-97010-OT, West Main Street, (Railroad to Colorado River)

GJ-97011-OT, I-70B and 28 Road

GJ-97012-OT, Horizon Drive Sewer (Pomona School to I-70)

The purpose of this enclosure is to supplement the health risk analysis previously submitted to NRC as part of the above referenced SSAs. This information will also be incorporated into future SSAs when applicable.

This health risk analysis indicates that there is no clear present or future health risks to utility workers in Mesa County, CO, due to the potential gamma or radon exposure even when based on worst case scenarios. When based on average exposures, the exposure levels would have to increase by at least two orders of magnitude before the worker would begin to reach unacceptable exposure levels.

I hope that this health risk analysis alleviates the concerns raised over the exposure of utility employees to radon and gamma radiation levels while working in trenches. If you have any questions or require additional information, do not hesitate to contact Dave Durant at FTS 326-6498 or me.

DESIGNATED ORIGINAL Certified By Many C. Hand

> Enclosure(s) As stated

cc: w/o enclosures GA Franz - CDH/GJ J Garcia - DOE/AL

Jessel Elmyer WM-39 PNL Sincerely,

Joseph E. Virgona Project Engineer

E Bischoff - CDH/DEN C Nichols - DOE/ID adal Info 89-0987

PNU