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RETURN ORIGINAL TO PDR, HQ.

January 12, 1994

Mr. Joel Grimm
U.S. Nuclear Regulatory Commission
Uranium Field Recovery Office, Region IV
P.O. Box 25325
Denver, Colorado 80225

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Dear Mr. Grimm:

Pursuant to the Review Group discussions centered on radiologic dose modeling, on December 16, 1993, I asked Dr. Allan Eggleston to re-examine the yellowcake particulate source term for the Crownpoint facility. Dr. Eggleston has reviewed his files and provided me with the attached calculations in justification of the 1.56-9 Ci/yr. source term which was used in the MILDOS computer simulation.

HRI has reviewed the engineering plans for the Crownpoint dryer and concluded that because of the negligible volume of materials which are emitted from the vacuum pump vent, that it would be most logical to vent it inside the enclosed building where dust concentrates could be subject to the monitoring and restrictions of the health physics program. With this change there would be a zero release to the environment and a corresponding zero source term input into MILDOS resulting from the dryer operation.

We would request that all source term assumptions presently contained in the MILDOS model be left in place, thereby keeping the results conservative. However, this letter will serve to notify your agency of the proposed change.

Please feel free to contact me with questions pertaining to this matter.

Yours very truly,

Mark S. Pelizza
Environmental Manager

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Certified By *Mary C. Ford*