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June 4, 1992

Fraser Lockhart
U.S. Department of Energy/RFO
P.O. Box 928
Golden, CO 80402-0928

Dear Mr. Lockhart:

The Colorado Department of Health Hazardous Materials and Waste Management Division recently obtained a copy of an abstract on "Reverse Burn Gasification" presented at the 1992 EPA Conference on Hazardous Waste Research held June 1-2, 1992 in Boulder, Colorado. The research described in the article was supported by grants from the U.S. Department of Energy and the U.S. Environmental Protection Agency. In addition we were able to obtain a copy of the first three chapters of the doctoral dissertation of Dr. Audrey McGowin, who was one of the researchers on the project.

Dr. McGowin stated that the bench scale model had been permitted as a Subpart X Unit in Ada, Oklahoma. This process may have great potential for volume reduction and separation of TRU and Residue Mixed Wastes. Dr. McGowin presented a list of types of mixed waste on which this process could be applied. The list included cutting oils contaminated with uranium, and plutonium contaminated resins. Both of these wastes are found in abundance at the Rocky Flats Plant.

Please include this process in the evaluation of new technologies under the Sitewide Treatability Study protocol. If you have any questions concerning this matter please contact Noreen Matsuura of my staff at 331-4920.

Sincerely,

Gary W. Baughman, Unit Leader
Hazardous Waste Facilities
Hazardous Materials and Waste Management Division

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