

40-3392

February 26, 2002

Certified Mail:
2617-3248

Mr. Donald E. Stout
Division of Fuel Cycle Safety & Safeguards, NMSS
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Radioactive Waste Burial
Less than 0.05% by Weight
License No. SUB-526, Docket No. 40-3392

Dear Mr. Stout:

We are requesting NRC approval to dispose of fluorine trench muds at Waste Control Specialists, Inc. in Texas under 10 CFR Part 40.13 "Unimportant Quantities of Source Material".

This facility has accumulated several drums of trench muds over a two-year period that contain source material with an average of 78.5 pCi/gm (116 PPM U Nat). This material is classified as a mixed waste under 40 CFR Part 261. The chemical composition is a mixture of hydrogen fluoride and potassium bifluoride in a semi-solid to liquid form. This waste is generated in part due to the use of regenerated potassium hydroxide from the Feed Materials Building scrubbers on the south pad. The external surface beta-gamma exposure is less than 75 μ R/hr.

Waste Control Specialists will dispose of this waste as a solid after it has been solidified with cement. This material will not become airborne and therefore there will be no internal exposures to WCS personnel.

We would appreciate a timely approval in the classification of this waste stream as 10 CFR Part 40.13(a) material. If you have additional questions or concerns, please contact Mr. M. L. Shepherd at 618-524-6238 or Mr. H. C. Roberts at 618-524-6349.

Sincerely,

J. William Lessig
Plant Manager

JWL/sm

cc: M. Shepherd
H. Roberts
D. Dodge
File

Chief, Fuel Cycle Branch
NRC - Region III
801 Warrenville Road
Lisle, IL 60532-4351