

PDR

3016-929

AMERICAN STEEL INDUSTRIES, INC.

1000 E. 10th St., Gary, Indiana 46502-1000

March 31, 1981

United States Nuclear Regulatory Commission
Materials Licensing Branch
Washington, DC 20555

Gentlemen:

SUBJECT: Docket No. 40-6946

This letter is to comply with the understanding that KBI will submit a description of our procedures for processing our waste sludge containing licensed material.

A pilot plant is near completion for testing procedures being evaluated in the laboratory for separation of Uranium and Thorium from these sludges, precipitating and storing the U and Th as enriched concentrates and treating resulting residues and waste solutions to meet regulations for solids disposal and liquid discharge.

The procedure renders the U and Th soluble along with portions of other components of the sludge. The aqueous solution is separated from the solids by filtration or countercurrent washing. The U and Th and part of the other solubilized metals are extracted and precipitated as a concentrate of U and Th, decreasing the volume of storage required. The resultant undigested slurry and liquid portions are co-treated for waste disposal. Solids are separated from liquids. It is projected that both solids (for landfill) and aqueous discharges will meet all Federal and State Regulations for disposal.

I trust that this information will meet our obligation at this time for providing a description of our proposed process.

Yours truly,

Edwin J. Bielecki

Edwin J. Bielecki
Section Manager, R&D Chemistry

cc: M. F. Costello (USNRC - King of Prussia)
H. W. Crocker (USNRC - King of Prussia)
F. T. Coyle

EJB/cas



FBI
SEARCHED
SERIALIZED
INDEXED
FILED
APR 17 1981
FBI - NEW YORK
Rosen

8104220282

METALS • ALLOYS • CHEMICALS

11-12

1. *James Vanover*

2. *John Smith*

3.

4.

5.

Topic	For	Notes and Replies
1. <i>James Vanover</i>	For Clearance	See Documentation
2. <i>John Smith</i>	For Distribution	See File
3. <i>James Vanover</i>	For your information	See File
4. <i>John Smith</i>	For your information	See File
5. <i>James Vanover</i>	For your information	See File
6. <i>John Smith</i>	For your information	See File
7. <i>James Vanover</i>	For your information	See File
8. <i>John Smith</i>	For your information	See File
9. <i>James Vanover</i>	For your information	See File
10. <i>John Smith</i>	For your information	See File

This case has been transferred to LFLB.

Paul Quinn does not think it requires an amendment.

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.

Phone No.

John N.

OPTIONAL FORM 41 (Rev. 7-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.606

