



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUL 27 1990

file

Docket No. 40-7102

Ms. Donna Gaffigan
Bureau of Case Management
State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
401 East State Street
CN-028
Trenton, N.J. 08625

Dear Ms. Gaffigan:

SUBJECT: COMMENTS ON SHIELDALLOY NEWFIELD RADIOLOGICAL CHARACTERIZATION

I have reviewed Shieldalloy's June 29, 1990, submittal, "Work Plan for the Radiological Characterization of the Shieldalloy Metallurgical Corporation Newfield Facility," and have found the methodology acceptable. However, the plan was not completely clear pertaining to the handling of the Source Material Storage Yard (SMSY).

- 1) The cover letter states that "Shieldalloy has incorporated into its Remedial Investigation Work Plan soil sampling and chemical analysis of the NRC-controlled Material Storage Yard." I assume this is a notification relating to hazardous chemical analysis under New Jersey State jurisdiction rather than to radiological characterization, and any radiological characterization of the SMSY is included in the submitted plan.
- 2) The plan calls for an estimated 18 soil samples (six for each pile known to contain source material) around each pile from areas outside the SMSY (page 2-6). Does Shieldalloy mean outside the SMSY or immediately around the base of each slag stockpile (located within the SMSY)? If Shieldalloy does mean outside the SMSY, do they have any plans to characterize the SMSY?
- 3) The plan calls for ten composited samples to be taken from the ferrovanadium slag stockpile. It would also be useful to have Shieldalloy analyze small representative samples of the other two stockpiles known to contain source material, as well as to have them analyze samples from all other stockpiles within the SMSY assumed not to contain source material.

JUL 27 1990

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- 2 -

Other than the above comments, the plan seems adequate. I would appreciate the chance to comment on the letter containing the combined comments before it is sent to Shieldalloy. If there are any questions, feel free to call me at (301) 492-0667.

Sincerely,

~~original signed by~~

Gary C. Comfort, Jr.
Advanced Fuel and Special
Facilities Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

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(NEWFIELD CHARACT. COMMENTS)

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