

NOV 27 1991

Docket No. 40-7102

Shieldalloy Metallurgical Corporation  
ATTN: Mr. David Smith  
Director, Environmental Services  
West Boulevard  
P.O. Box 768  
Newfield, New Jersey 08344

Gentlemen:

The United States Nuclear Regulatory Commission (NRC) was notified by your Radiation Safety Officer, Mr. Craig Rieman, during his phone conversation on November 22, 1991, with Mr. Yawar Faraz (NRC Project Manager), about your intent to transfer ferrovanadium slag, which by your claim is unlicensed material, to the steel industry where it would be used as an additive to their slag so as to improve the fluid characteristics. In our conversation with the New Jersey Department of Environmental Protection (NJDEP) on November 22, 1991, and in their letter to you dated November 21, 1991, concern was raised regarding the possibility of commingling with NRC licensed material, in the form of ferrocolumbium slag and baghouse dust, stored adjacent to the ferrovanadium slag in the storage yard.

It is our understanding, based on sample analyses from TMA Eberline dated October 18, 1989, that the ferrovanadium slag (without ferrocolumbium slag contamination), runs about 8 pCi/g U-238 and 6 pCi/g Th-232 (dry). These are not concentrations that should interfere with the proposed use. However, per the concern raised by NJDEP, and to avoid any future complications that may arise due to the lack of data, Shieldalloy Metallurgical Corporation should ensure via a thorough radiological survey of outgoing ferrovanadium slag, that no appreciable contamination with source material or other licensed material is contained therein. The survey documents should be sufficient to convince an NRC inspector that this condition was met.

If you need further clarification, please feel free to call me on (301) 492-0609.

Sincerely,  
Original Signed by

Jerry J. Swift  
Jerry J. Swift, Section Leader  
Advanced Fuel and Special  
Facilities Section  
Division of Industrial and  
Medical Nuclear Safety, NMSS

cc: Robert Stern, NJDEP  
Donna Gaffigan, NJDEP  
Michael A. Finn, Metallurg, Inc.  
Jay E. Silberg, Esq.

DISTRIBUTION Docket No. 40-7102 PDR

NRC File Center  
IMSB R/F  
GComfort  
FBrown

IMNS Central File  
CHaughney  
JGreeves

IMAF R/F  
JSwift  
JHickey

NMSS R/F  
YFaraz  
JKinneman, RI

[YF/LTR TO SHIELDALLOY]

5  
OFC : IMAF : IMIF : IMAF :  
NAME : YFaraz:jc : FBrown : JSwift :  
DATE : 11/27/91 : 11/27/91 : 11/27/91 :  
OFFICIAL RECORD COPY