

040-07102

MAY 7 1979

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(08352)

Shieldalloy Corporation
ATTN: John B. Longaker
Assistant to the Vice President
West Boulevard
Newfield, NJ 08344

Gentlemen:

This refers to your application dated December 23, 1977, for renewal of License No. SMB-743 (Docket No. 040-07102). Additional information is needed in support of your application as described in the following paragraphs.

Chapter II, page 2-2 (third paragraph) of your SOURCE MATERIAL LICENSE AND RADIATION SAFETY PROGRAM specifies: "Analysis of the metal has shown less than 10 ppm thorium or uranium indicating that all the thorium and uranium report to the slag. This has been confirmed by analysis of the slag." Please provide the following information:

1. A description of each final product you are producing and a general description of the ultimate use of each of these products. If, for example, your products consist of ferro columbium, ferro vanadium, etc., we need a general description of these final products, including the form in which they are transferred (solid metal, powders, pellets, etc.) and the kinds of uses ultimately made of these products.
2. Up-to-date analysis results showing the amount of thorium and/or uranium in the final products which are transferred to your customers. Your reference above (page 2-2) indicates that the slag has been analyzed, but it is not clear to us if you have performed analysis of your final products to determine thorium and/or uranium content prior to transfer. We need accurate information to show the maximum quantities of thorium and/or uranium present in the products which you transfer to your customers. Our primary concern here is the quantities of thorium and/or uranium that end up in the public domain, e.g., in manufactured metal items for unrestricted use.

Shieldalloy Corporation

- 2 -

Your application requests authorization to possess unlimited quantities of ores containing up to 2% thorium and/or 0.4% natural uranium. We request that you specify the maximum total amounts (in kilograms) of thorium and uranium which you will possess at any one time.

Our review of your application will continue upon receipt of the above information. Please provide two copies of your reply and reference your assigned Mail Control No. 08352.

Sincerely,

Paul R. Guinn
License Management Branch
Division of Fuel Cycle and
Material Safety

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