

40-9401  
(9-66)

# INTERMEDIATE ACTION FORM

Source & SNM Licenses

01. FROG. CODE <b>62</b>		03. DOCKET NO. <b>40-6940</b>		09. TASK NO. <b>1539</b>		42. PURPOSE OF TASK <b>processing</b>		12. CONTROL NO. <b>1539</b>		15. LICENSE NUMBER <b>SMB-920</b>	
18. APPLICANT <b>Kawecki Berylco Industries, Inc.</b>								54. AM. NO. RESULTING FROM TASK			
21. STREET & BUILDING <b>P. O. Box 60</b>						45. CLASSIFICATION <b>U</b>			63. ASG. TO:		
24. CITY <b>Boyertown,</b>				27. STATE <b>PA</b>		30. ZIP <b>19512</b>		33. RECEIVED YR. MO. DAY <b>70 05 20</b>		36. ISSUED YR. MO. DAY	
57. APPLICANT'S COMMUNICATION DATED YR. MO. DAY <b>70 05 07</b>				59. ENCLOSURES							
58. DESCRIPTION (MUST BE UNCLASSIFIED) <b>(1 cy. rec'd.)</b> <b>ltr. req. amendment of SMB-920 to permit experimental processing of ore concentrates containing up to 2% thorium and/or uranium as unwanted impurities.....</b>								60. DISTRIBUTION <b>1-PDR cy.</b> <b>1-compliance cy.</b>			
INTERMEDIATE ACTIONS								OTHER REFERRALS			
TYPE		ON		ACTIV.		RETURNED		DATE			
		YR.	MO.	DAY	92	YR.	MO.	DAY	YR.	MO.	DAY
ADDL. INFO. REQUESTED FROM APPLICANT		91			1	93					
REFERRED TO:		94			2	96					
REFERRED TO:											

**DO NOT REMOVE**

**ACKNOWLEDGED**

**Layfield**  
**w/file cy. & file**

**70 05 20**

**DJQ**

# KAWECKI BERYLCO INDUSTRIES, INC.

P. O. Box 60, Boyertown, Pennsylvania 19512  
Telephone: 215 / 367-2181

May 7, 1970

Mr. Don Harmon  
Division of Materials Licensing  
U.S. Atomic Energy Commission  
Washington, D.C.

Re: SMB-920  
Docket #40-6940

Regulatory

File Cy.

Dear Mr. Harmon:

It has become necessary for us to utilize some of the specialized facilities and equipment at our plant in Revere, Pa., for the development of suitable techniques for the extraction of columbium from ore concentrates. These concentrates can contain up to 2.0% natural thorium and 1.5% natural uranium. Although our license SMB-920 permits storage of these materials at this plant, we hereby request appropriate amendment of this license to permit experimental processing of ore concentrates containing up to 2% natural thorium and/or uranium as unwanted impurities.

We plan to process experimental batches of ore concentrates by the thermite method. We expect the source materials to concentrate in the waste slag. The slag will be retained on site pending analyses and decision as to final disposal in accordance with AEC and state regulations.

Appropriate health physics measures will be taken to evaluate and control radiological risks. Air samples will be taken wherever airborne contamination may be a problem. Smear samples as well as direct alpha measurements will be made to evaluate surface contamination. The radiological safety procedures will be identical to those described in our correspondence dated December 10, 1969.

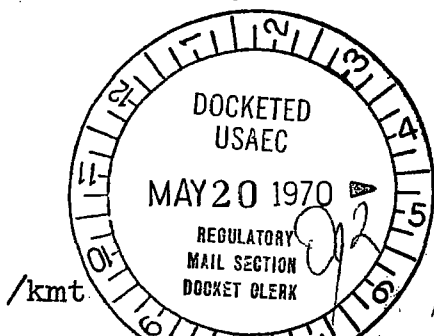
A report will be prepared summarizing the results of our health physics study of these experimental processes. This report will contain any recommendations necessary to the effective control of source materials. A copy of this report will be submitted to you for review and comment.

Your cooperation and assistance in authorizing the necessary amendments of our source materials license will be appreciated. Please do not hesitate to contact us or our consultant health physicist, R. G. Gallagher if any additional information is required.

Sincerely,

KAWECKI BERYLCO INDUSTRIES, INC.

*George J. Nessel*  
George J. Nessel  
Technical Manager



/kmt

METALS • ALLOYS • CHEMICALS

ACKNOWLEDGED

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