

HO-9401
(9-66)

INTERMEDIATE ACTION FORM

REFERENCE NUMBERS

Source & SNM Licenses

01. PROG. CODE 62		03. DOCKET NO. 40-6940		09. TASK NO. 103		42. PURPOSE OF TASK Disposal Req.			12. CONTROL NO. 851			15. LICENSE NUMBER STB-849					
18. APPLICANT Applied Health Physics, Inc.									54. AM. NO. RESULTING FROM TASK								
1. STREET & BUILDING 2936 Industrial Blvd.						45. CLASSIFICATION U			63. ASG. TO:								
4. CITY Bethel Park			27. STATE PA		30. ZIP 15102		33. RECEIVED YR. MO. DAY 67 03 14			36. ISSUED YR. MO. DAY			39. EXPIRED YR. MO. DAY				
7. APPLICANT'S COMMUNICATION DATED				YR. MO. DAY 67 03 10		59. ENCLOSURES (1 cy. rec'd)											
5. DESCRIPTION (MUST BE UNCLASSIFIED) Ltr. advising that their client (Kawecki Chemical Co.) has authorized them to req. an exemption to the waste disposal restrictions in Title 10CFR20.304.....and trans:						Drawing No. A-1797 - "River Bank" - showing area in which wastes are to be deposited...											
60. DISTRIBUTION																	
INTERMEDIATE ACTIONS						OTHER REFERRALS						DATE					
TYPE		ON			ACTIV.		RETURNED										
		YR.	MO.	DAY	92		YR.	MO.	DAY								
REL. INFO. REQUESTED FROM APPLICANT		91				1	93										
REFERRED		94			95	2	96										
REFERRED																	
						DO NOT REMOVE ACKNOWLEDGED						Nussbaumer: w/file cy. 1-PDR Copy 1-compliance 1-extra			67 03 15		



HEALTH PHYSICS inc.

2986 Industrial Blvd. • Box 197 • Bethel Park, Pa. 15102 • Phone 412 • 563-2242

Form H.

Revised

T03

3-14-67 acc

Regulatory Suppl File Cy.

March 10, 1967

Mr. Don Harmon
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington 25, D.C.

Dear Mr. Harmon:

In accordance with our discussion in your office and on the telephone our client, Kawecki Chemical Company has authorized me to request an exemption to the waste disposal restrictions in Title 10-CFR-20.304 relative to the disposal of slag containing source materials from their metallurgical operations in Reading, Pennsylvania. Approximately nine million pounds of slag containing 1% or less of thorium and uranium will be generated as wastes from the processing of tin slags. These wastes are in the form of molten slag from electric furnaces; which when allowed to cool forms an inert glass.


Our company has sampled these wastes during production testing conducted by Kawecki Chemical at Vanadium Corporation of America plant at Cambridge, Ohio. Our analyses of these waste slags indicate the concentration of source materials do not exceed 1% U or Th. Beta-gamma measurements of the slag were made using a calibrated Victoreen Thyac II indicated 0.3 - 0.8 mrem/hr and a maximum alpha of 3280 dpm as measured with an Eberline PAC-3G. Considering the fact that this slag will form a glass like mass down the edge of a 70° embankment, it is highly unlikely that anyone would receive more than 0.5 mrem per year. No future use is contemplated for this area which is considered useless except as a slag dump for which it was used for decades by American Chain & Cable and now Kawecki. Current plans call for the processing of about 60 million pounds over the next five (5) years.

Therefore, in accordance with Title 10-CFR-20.501, Kawecki Chemical requests that it be permitted to deposit these wastes in an existing slag dump at the western boundary of the Reading site as indicated on the attached drawing of the site. These slags will be poured over the steep embankment in an area that is practically inaccessible. Since the slag is an insoluble inert glass, the source materials will not leach from the slag dump to create waste contamination problems. The alternatives of disposing of these wastes by other means would result in unreasonable costs and be unnecessarily restrictive in view of the minor radioactivity present. Disposal of these wastes in this manner appears to be safe and the only feasible method available.

Should you have any questions concerning this request for an exemption, or if any additional information is required, please contact me and I will see that it is provided promptly. Our client expects to begin metallurgical operations by the tenth of March to provide vitally needed rare metals and will appreciate your cooperation in expediting this request and issuance of the Source Material License submitted last month.

Sincerely,

APPLIED HEALTH PHYSICS, INC.


Robert G. Gallagher
President

ACKNOWLEDGED

Copy Provided Compliance

PDR

(SM)
2/16/67

RGG:jvc

enclosure

CONSULTATION • SERVICES • PRODUCTS • RADIATION APPLICATIONS

85

Form No. 70-6740

Tank No. T03

Dechlorated 3-14-67

Regulatory Suppl File Cy.

AMEER CHAIN & CABLE Co.
(KAWECKI CHEM Co.)

Kaweck Chemical Co

Slag Dump

ISSUED
JAN 18 1967
KAWECKI
CHEMICAL CO.

KAWECKI CHEMICAL CO. BOYERTOWN, PENNSYLVANIA

LIMITS UNLESS OTHERWISE NOTED:
FRACTIONAL $\pm 1/64"$ DECIMAL $\pm .010"$ ANGULAR $\pm 1/2"$

THIS DRAWING IS OUR PROPERTY AND MUST BE USED ONLY
IN CONNECTION WITH OUR WORK. ALL RIGHTS RESERVED

SCALE 1" = 100'	DATE 1-13-67
DRAWN R. C. [Signature]	APPROVED
CHECKED	

RIVER BANK

SHEET NO. _____ OF _____	REV.
DRAWING NUMBER A-1797	