

Rel to G Tharpe
596-55

DISTRIBUTION w/enc1.

AUG 15 1985

FCUP:MLH
40-6940

KBI Division, Cabot Corporation
ATTN: Mr. Francis T. Coyle, Manager
Analytical Chemistry and
Testing Department
County Line Road
Boyertown, PA 19512

Docket No. 40-6940
NMSS R/F
FCUP R/F
VLTharpe
MLHorn
LCobb, IE
Region I
PDR
DCool

Dear Mr. Coyle:

We have reviewed Kawecki Berylco Industries' (KBI) proposed groundwater monitoring program submitted to the Nuclear Regulatory Commission on July 26, 1985. As we discussed, although the development program looked fine, additional information is needed before your license can be amended to incorporate the proposed monitoring program. Accordingly, we request KBI's response to the enclosed list of questions. We do, however, realize that KBI may not be able to respond to these questions until after the initial exploration phase is complete. Also enclosed is a list of questions and comments on the proposed air monitoring program. If there are any questions concerning this request, please do not hesitate to call me at (301)427-4510.

Sincerely,

Original Signed By:
Merri Horn

Merri Horn
Uranium Process Licensing Section
Uranium Fuel Licensing Branch
Division of Fuel Cycle and
Material Safety, NMSS

Enclosures: As stated

8508190614 850815
PDR ADOCK 04006940
C PDR

OFFICE	FCUP <i>mlh</i>	FCUF <i>VL</i>	FCUF				
SURNAME	MLHorn/ks	VLTharpe	WTCrow <i>WTC</i>				
DATE	8/14/85	8/14/85	8/15/85				

QUESTIONS REGARDING KBI'S
PROPOSED AIR MONITORING PROGRAM

1. It may be difficult to obtain reasonable precision for gross alpha measurements at the 1×10^{-16} microcuries per milliliter level. Consideration should be given to doing isotopic analyses on the samples to obtain better results.
2. How long will the collection period be (e.g., continuous, 12 hour, etc.)?
3. What will the sampling frequency be (e.g., daily, weekly, monthly, quarterly)?
4. In your letter of March 12, 1984, KBI indicates that samples will be analyzed quarterly, will these samples be composites or single samples?
5. In the letter dated March 12, 1984, the action level given appears to be incorrect (i.e., it is below the detection level). What is the correct action level?

QUESTIONS REGARDING KBI'S
PROPOSED GROUNDWATER MONITORING PROGRAM

1. Where will the monitoring wells be located (including the background well)?
2. Describe the sampling program, including but not limited to the following items:
 - 1) What volume of water if any, is planned to be removed prior to sample collection?
 - 2) What is the sampling and analysis frequency?
 - 3) What analyses are conducted on the samples (e.g., gross alpha, gross beta, fluoride, etc.)?
 - 4) What are the lower limits of detection, action levels, and actions to be taken?
3. Are there any state or local regulations and/or required permits with regard to well installation and sampling? If so, have the necessary permits or authorizations been secured?