

APR 22 1991

MEMORANDUM FOR: John A. Grobe, Chief
Nuclear Materials Safety and Safeguards Branch, RIII

FROM: John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch, NMSS

SUBJECT: TECHNICAL ASSISTANCE REQUEST: U.S. BIOCHEMICAL CORPORATION
REQUEST TO INCLUDE SULFUR-35 FOR DECAY IN STORAGE

This memorandum is in response to Region III's Technical Assistance Request, (TAR) dated March 22, 1991, requesting guidance in U.S. Biochemical Corporation's amendment request to permit decay-in-storage of sulfur-35.

We approve the request with the following conditions:

1. Policy and Guidance Directive 90-3, "Licensing of Low-Level Radioactive Waste Storage by Materials and Fuel Cycle Licensees is followed.
2. That only sulfur-35, as an isotope with a half-life greater than 65 days, is approved for decay-in-storage.
3. That Region III review and approve detailed information regarding the survey procedures and the radiation detection/counting instrumentation to be used by U.S. Biochemical Corporation to determine that waste is at background levels.

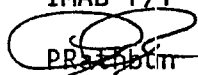
In response to your question regarding future requests for decay-in-storage involving radioactive material with physical half-lives of 65 days or greater, all such requests should still be coordinated with NMSS as a TAR in accordance with Policy and Guidance Directive 90-4.

If you have any questions, please contact Torre Taylor at FTS: 492-0611.

Original Signed By:
John E. Glenn, Chief
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

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