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030-05582
(17992)

OCT 03 1984

Department of the Interior
Geological Survey
Water Resources Division
New York District
ATTN: Mr. Anthony Giaimo
5 Aerial Way
Syosset, New York 11791

Gentlemen:

This refers to your letter dated August 14, 1984, requesting renewal of byproduct Material License No. 31-13026-01. We find that additional information is needed in support of your renewal request.

For your convenience we have enclosed a copy of our draft guide, "Guide for the Preparation of Applications for the Use of Radioactive Materials in Well Logging Operations." You should refer to the appropriate sections of this guide and provide complete information concerning the following:

1. Please review your mailing address as shown on Amendment No. 07 and report any changes or concur that the address is correct as shown.
2. According to your application received April 25, 1979, M. B. Heller is identified as the Radiation Protection Officer. Please confirm if he is still the Radiation Protection Officer. Also, please provide an additional copy of his resume for our file.
3. Please completely describe your survey instrument calibration procedures. (Refer to Items 10. and 11. and Appendix A of the guide for additional information.)
4. You should describe your procedures to be followed to assure the recovery of sealed sources in shallow, uncased holes. Please refer to Item 5.C., Appendix B, of the enclosed guide. Note that these are precautionary procedures to be implemented prior to logging shallow holes and are intended to ensure that tools containing sources will not become lodged down hole.

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- OK 5. We need complete information concerning your procedures for recovering sources "lost down hole." You should describe the actions you will take to prevent source damage during retrieval operations and your procedures for evaluating possible source damage or well site contamination (surveys, testing of circulating fluids, etc.) during such procedures. If the source is found to be unretrievable, you should describe your procedures and recommendations concerning future drilling operations and your procedures for permanently marking the well site.

We have enclosed an IE Information Notice regarding source recovery operations. Please note that it is recommended that a gamma logging tool (without source) be utilized to continuously survey the circulating fluids.

6. Please described your procedures for vehicle placarding when transporting sources. (Please refer to Appendix B, Item 4.)
7. We will also need additional information concerning your survey procedures during normal operations, i.e., truck surveys, procedures for conducting surveys at well sites before and after use of sealed sources, and surveys of logging tools after source removal. (See Appendix B of enclosed guide.)
- 7 8. According to letter dated June 5, 1979, the cesium-137 source is located at Bay Park Sewage Treatment Plant, East Rockway, New York. Please confirm if this is still current. Does a more specific street address exist for this facility? Also, it is unclear if this is a DOT facility. Please clarify. Also, is there a storage area at USGS Warehouse, 235 B. Robbins Lane, Syosset, New York? If so, please provide a simple sketch of the storage area and indicate what is stored in this area.
9. Please identify the firm (name and license number) who will analyze your sealed source leak test samples.
- 7 10. Please submit copies of the forms you intend to utilize when conducting facility surveys, storage area surveys, truck surveys, job site surveys, etc., and a copy of your utilization log. Note that your utilization log should identify the date of use, place of use, sealed source utilized, user to whom assigned, any helpers, and the date the source is returned to the shop.
- OK 11. Please confirm that you will not perform maintenance or service operations which may involve removal of a source from a source holder or which will require direct hand contact with a holder, such as cleaning or "O" ring exchange. If such operations must be performed, you should describe the equipment you will have available to minimize whole body and hand exposure and also describe your procedures for performing these operations.

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Our review of your application will continue upon receipt of the above information.
Please reply in duplicate and reference Mail Control No. 17992.

Sincerely,

Isabelle Myers
Material Licensing Branch
Division of Fuel Cycle and
Material Safety

Enclosures:
Well Logging Guide
IE Information Notice No. 83-32

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