



reuter-stokes

Edison Park, 8499 Darrow Rd., Twinsburg Ohio 44087 • Telephone (216) 425-3755

August 19, 1986

Dr. William Adam
Materials Licensing Section
U.S.N.R.C.
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Reuter-Stokes, Inc.
Byproduct Material License No. 34-18156-01
Application Renewal dated April 26, 1984
Control No. 17412

Dear Dr. Adam:

In response to your letter dated July 23, 1986, we are providing the following additional information needed for our application review.

1. Leak tests are performed on all byproduct material listed in our license no. 34-18156-01. The tests are performed on a semiannual basis and are done so for compliance purposes. All of the byproduct material listed on the application are used solely as reference or test sources at our Edison Park facility. The byproduct materials are not used for any of our instruments that are distributed to our customers.
2. Certain Reuter-Stokes products are tested at other facilities. However, these instruments do not contain any of the byproduct material listed in our license application. Occasionally, the detectors being tested at another facility will become activated and thus will contain residual byproduct material. Most of the time these detectors will contain exempt concentrations and are shipped back to Edison Park by common carrier.
3. Presently, we store byproduct material within two lead safes, a lead barrier, and our source drive system. On the first level we have a lead safe containing a majority of our byproduct materials (see Attachment 1). This safe stands 3 feet in front of the Reuter-Stokes Senti 1011 detector. On the same level is the source drive assembly in which the Co-60 source is stored approximately 10 feet below ground. The second level of the testing laboratory has a lead safe containing few byproduct material check sources. Next to this safe is a Kr-85 source housed within a lead barrier (see Attachment 2).

Our Reuter-Stokes Senti 1011 was placed on the first level source area for the purpose of continuously monitoring the 5.7 Ci Co-60 source.

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Dr. Adam
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Due to the possibility of varying exposure rates, we will include as part of our Radiation Safety Program a survey procedure to monitor radiation levels in areas where byproduct material is stored. The surveys will be performed with a calibrated GM survey meter, on a monthly basis. A survey map of the areas will be used to record the exposure rates at various points, in particular, those points near the byproduct materials. Upon completion of the survey, the surveyor will sign and date the maps. All survey maps, with the recorded results, will be reviewed and filed.

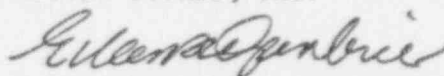
4. We are presently utilizing the services of R.S. Landauer Jr. and Company for our Personnel Dosimetry. I have enclosed a certificate verifying the company's NVLAP accreditation (see Attachment 3).
5. We have had a number of changes since our initial renewal application in April, 1984. We have moved our operating plant to a new facility, we have requested and received several amendments, and we have had our Assistant Radiation Safety Officer retire and have appointed a replacement, to list just a few.

With all of these changes and amendments it does make our old renewal application somewhat confusing. If you feel it would be in our mutual self interest to resubmit our program as it is in effect currently, we would be more than willing to do so. We would need an additional 60 days to submit the documentation. Please inform us if this is possible so that we may begin preparation of the application.

We would also like to bring to your attention that the present legal name of our company is Reuter-Stokes, Inc.

Sincerely,

REUTER-STOKES, INC.

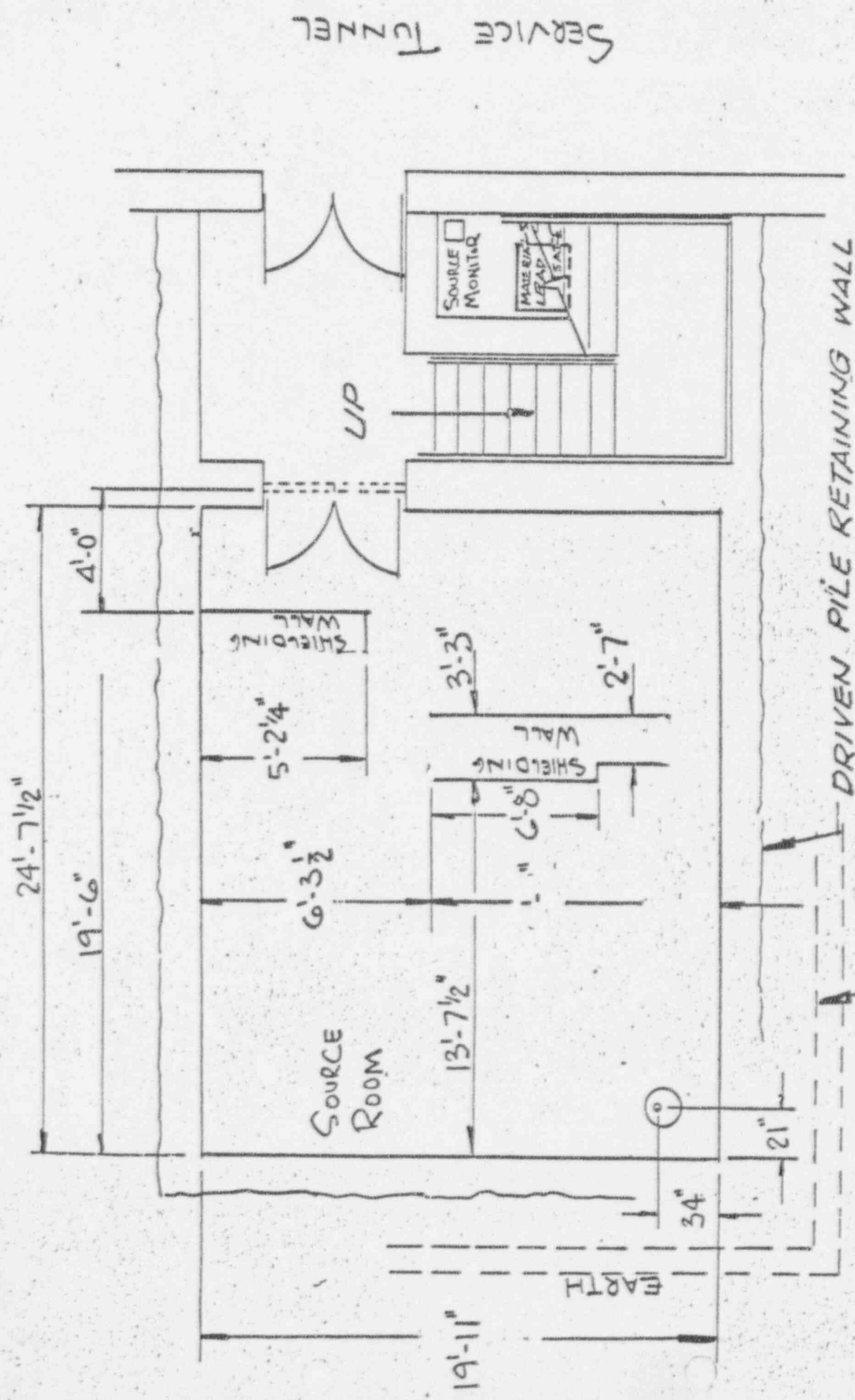


Eileen R. Openbrier
Health Physicist

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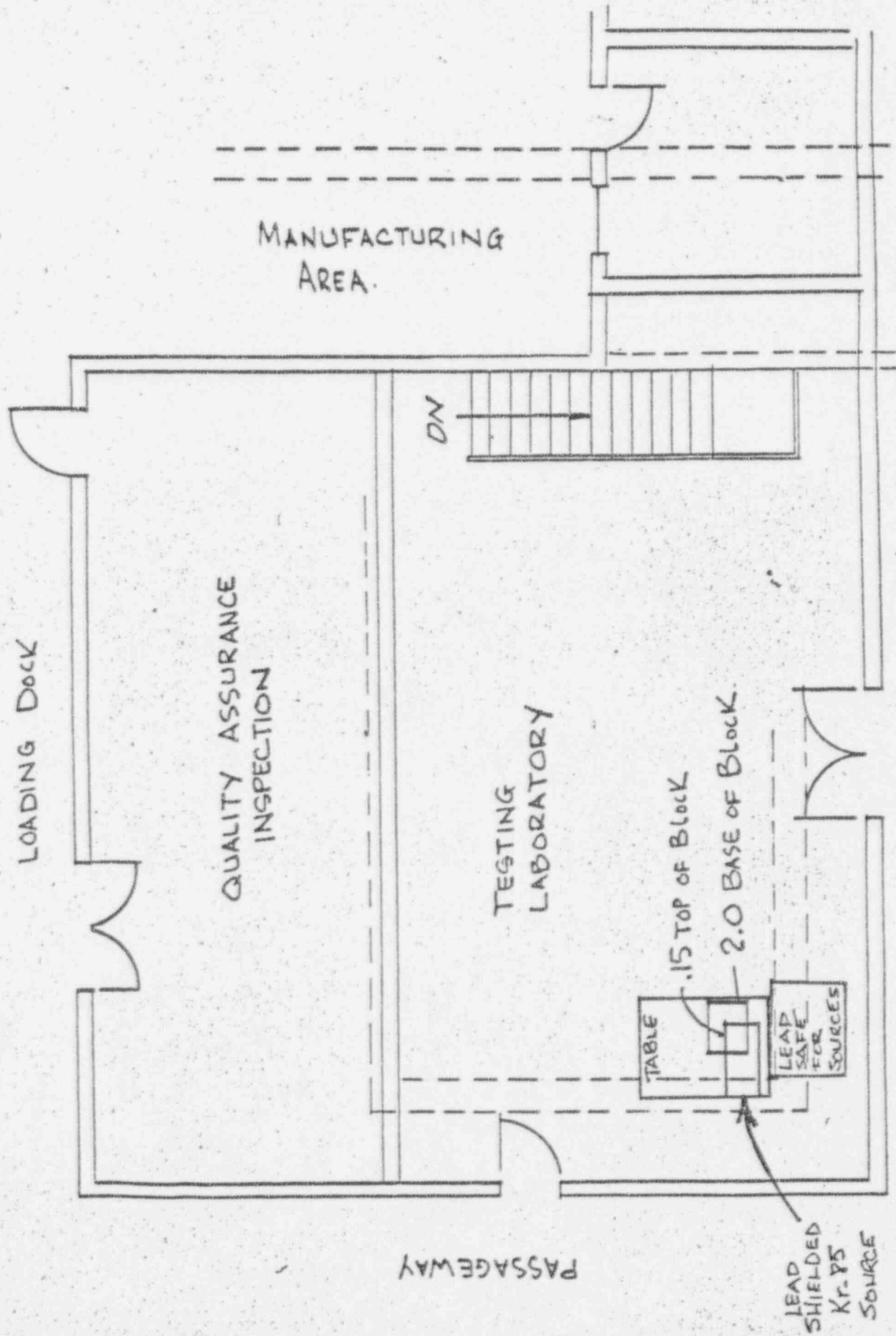
Enclosures

cc: NRC Correspondence File



1ST LEVEL

COMPLETION DATE:



2ND LEVEL

COMPLETION DATE: . . .

United States Department of Commerce
National Bureau of Standards

NVLAP

Certificate of Accreditation

R. S. LANDAUER JR. & COMPANY
Glenwood, Illinois

is recognized under the National Voluntary Laboratory Accreditation Program
for satisfactory compliance with criteria established in Title 15, Part 7a Code of Federal Regulations for:
providing specific Personnel Radiation Dosimetry Processing Services



Effective until October 1, 1986

John L. Donaldson

For the National Bureau of Standards