



# SAWYER

## RESEARCH PRODUCTS, INC.

35400 LAKELAND BOULEVARD • EASTLAKE, OHIO 44094 USA • 216/951-8770 • Telex: 6873105

June 25, 1985

Mr. J. R. Madera  
Materials Licensing Section  
United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Reference: Byproduct License 34-02044-01  
Control Number 77922

Sir:

In response to your letter of May 28, 1985 concerning the Sawyer Research Products, Inc. application for a NRC license renewal, we submit the following information:

### Organizational Structure

The Safety Program Administrator will be Dr. Baldwin Sawyer who has had experience in the same assignment at Sawyer Research Products from 1961 to 1973. He was trained in the same radiographic safety course as Leonard G. Mamie and Lacy Tilley by Mark R. Rosumny at Picker X-ray (in 1961). L. G. Mamie and L. E. Tilley will continue in their positions as Radiation Safety Officer and Chief Radiographer with, of course, their same training and experience. Two of the four additional radiographers also have had the same Picker training course. The others have had the Tech Ops course.

### Training Program

With the present low demand for radiography at Sawyer, the radiographer staff is adequate and there is no need for Assistant Radiographers, which implies no current need for their training or exams.

When the need develops, we do commit that our initial training of radiographer assistants will consist of several classes in an office classroom totalling four to six or more hours to develop appropriate understanding before going into action with our radioactive source. We will develop an exam at that time and submit a copy to the NRC.

Previously trained individuals, as those above, need refresher and updating sessions. These will be continued on an annual basis in class discussion sessions in which we will go over our operating and emergency procedures and an examination such as the one of which you have a copy.

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#### Facilities and Equipment

We have one Co<sup>60</sup> gamma ray radiography source. It is stored in our T0-402 vault, which is kept in a remote designated area in Building G, as on the enclosed maps, when not in use, with two red warning lights. It is surveyed daily and after use to confirm proper retraction of the source. A survey today confirms that the 2 mr limit perimeter is within 1 meter of the vault.

#### Operating and Emergency Procedures

You are correct that in the event of a lost or stuck source L. G. Mamie and L. E. Tilley will be the first responsible. Since we have never had a lost source, our experience in this area is limited to the training we received. We once had a stuck source and managed safely to free it (by freeing the cable from a distance).

If the emergency so requires, our procedure is to rope off the area at 2 mr or less limits, and call Robert WEBber of Test Equipment Distributors, Inc. for help.

#### Source Exchange

The same L. G. Mamie and L. E. Tilley are responsible for source exchange and are experienced in this procedure. Nevertheless they ask Robert Webber to be present at these occasions.

Very truly yours,



Baldwin Sawyer, Administrator  
Radiography Safety Program

BS/slz  
Enclosures

SAWYER RESEARCH PRODUCTS, INC.  
RADIOGRAPHY POLICY AND PROCEDURES

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SECTION E: OPERATING AND EMERGENCY PROCEDURES

PART I: RADIOGRAPHERS DAILY OPERATING AND EMERGENCY PROCEDURES (CONT'D.)

In the event of an accident involving radiation, the following personnel shall be notified:

The Radiation Safety Officer

Leonard G. Mamie, Jr.  
Business Phone: 951-8770  
Home Phone: 942-6199

The Chief Radiographer

Lacy E. Tilley  
Business Phone: 951-8770  
Home Phone: 354-5972

And the following people:

Baldwin Sawyer  
Business Phone: 951-8770  
Home Phone: 423-3849

Paul B. Weeks  
Business Phone: 951-8770

SAWYER RESEARCH PRODUCTS, INC.  
RADIOGRAPHY POLICY AND PROCEDURES

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SECTION H: ORGANIZATIONAL STRUCTURE  
PART I: OVERALL ORGANIZATIONAL STRUCTURE

SAFETY PROGRAM ADMINISTRATOR  
B. Sawyer  
(Director of Technology)

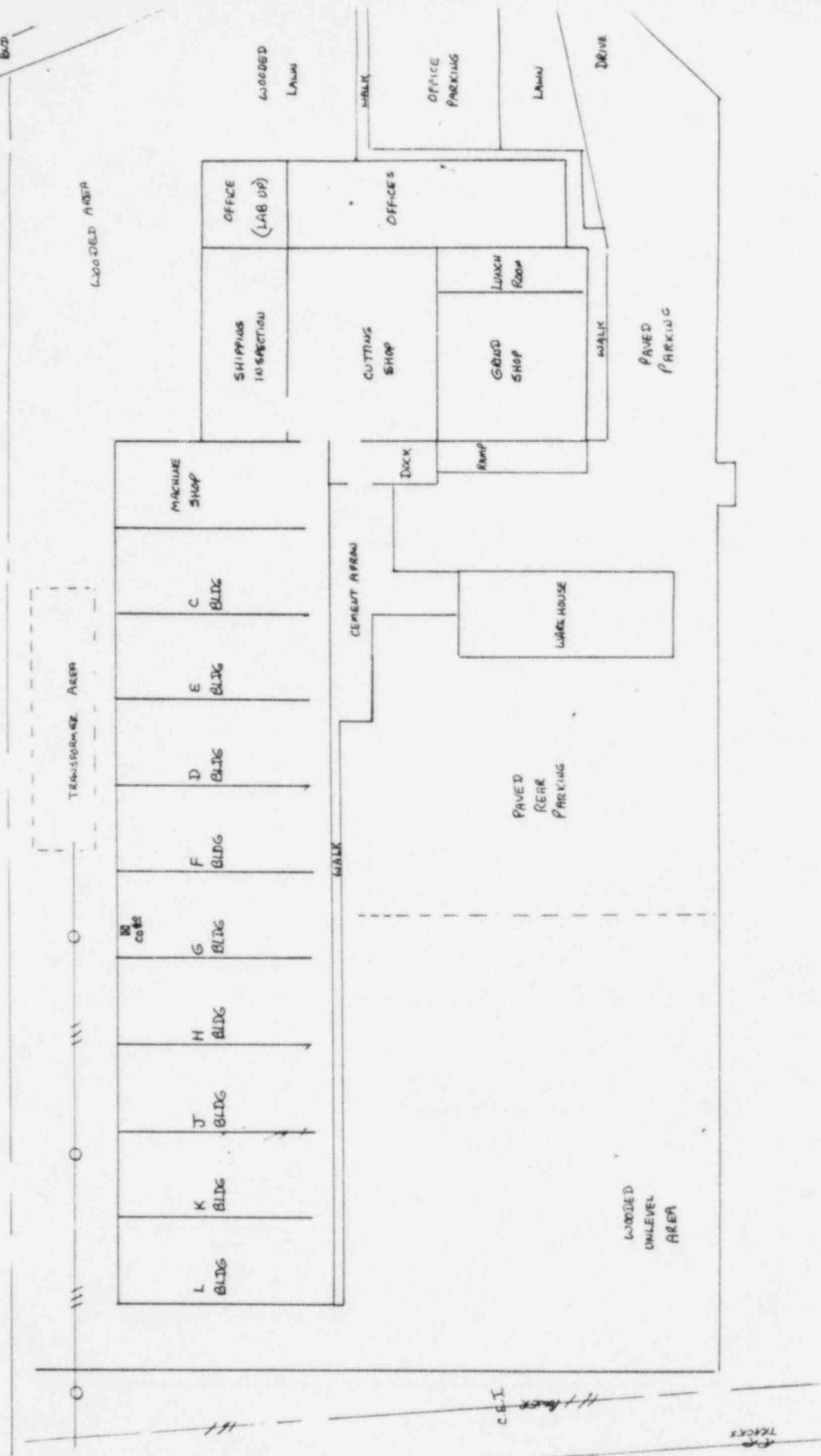
RADIATION SAFETY OFFICER  
L. G. Mamie, Jr.  
(Plant Superintendent)

CHIEF RADIOGRAPHER  
L. E. Tilley  
(Autoclave Supervisor)

RADIOGRAPHERS

ASSISTANT RADIOGRAPHERS

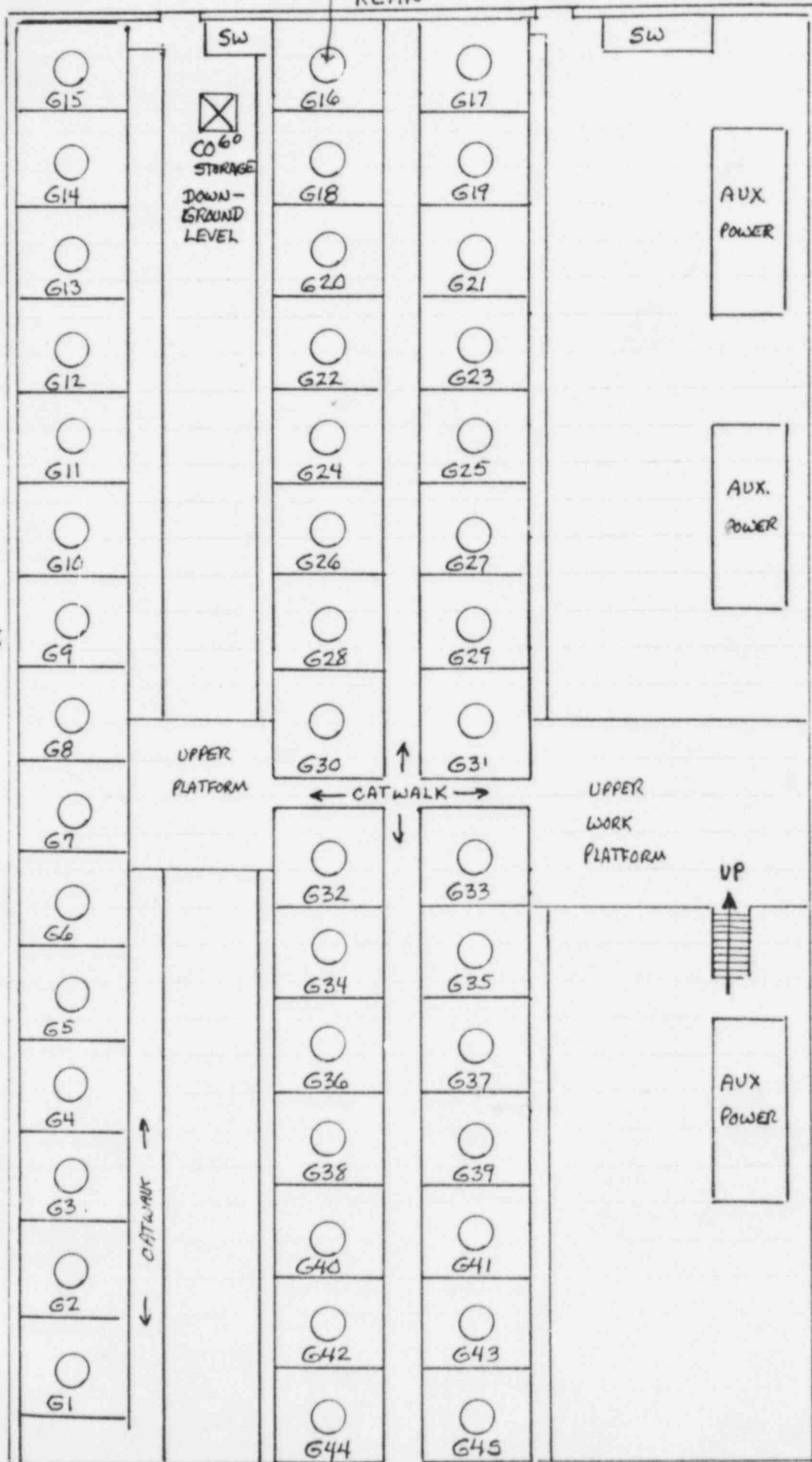
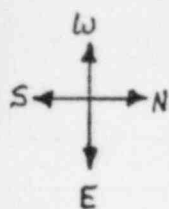
LANGUARD  
END



# SAWYER RESEARCH PRODUCTS

Autoclave inside enclosure  
REAR

G-BLDG.



TYPICAL  
AUTOCLAVE  
BUILDING  
LAYOUT