

# BECKMAN

BECKMAN INSTRUMENTS, INC.  
EXECUTIVE OFFICES

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April 4, 1985

Ms. B. J. Holt  
U. S. NRC Region III  
799 Roosevelt Rd.  
Glen Ellyn, Ill. 60137

Re: Control #18171 and 18179

Dear Ms. Holt,

As per your request, enclosed please find a copy of the RSPP-18 which describes the responsibilities of a Facility Radiation Safety Officer. The selection criteria for the Facility Radiation Safety Officer can be found on page 25 of the Beckman Radiation Safety Manual.

Also enclosed is Mr. Brohl's Statement of Training and Experience.

Sincerely,



David Han  
Corporate Radiation  
Safety Officer

DH/tc

Enclosures

RECEIVED

APR 19 1985

REGION III

8506040341 850515  
REG3 LIC30  
12-15201-02 PDR

APR 19 1985

## STATEMENT OF TRAINING AND EXPERIENCE

Instruction: Every individual proposing to use radioactive material is required to submit a Statement of Training and Experience.

1. Name of proposed user George Brohl Position title Facility RSO  
Address 3311 N. Kennicott Ave. City Arlington Hts., State IL Zip 60004  
To be included on Authorization No. \_\_\_\_\_ Issued To \_\_\_\_\_

2. Description of proposed use

3. Training

- a. High School Graduate: Yes ☒ No ☐ Wayne State Univ., Detroit; Xavier Univ., Cincinnati;  
b. College or University: Name and location Long Beach City College, CA; UCLA, Los Angeles  
Years completed 2 Degree \_\_\_\_\_ Course of study Chemistry  
c. Education specifically applicable to use of radioactive material

30 Units of Chemistry

4. Experience

- a. List experience with radioactivity beginning with most recent

(1) Dates: From Nov., 1975 to Jan., 1979

Title and duties: Field Sales Rep., Demonstrated Liquid Scintillation and Gamma Analyzers.

Employer: \_\_\_\_\_ Address: \_\_\_\_\_

(2) Dates: From \_\_\_\_\_ to \_\_\_\_\_

Title and duties: \_\_\_\_\_

Employer: \_\_\_\_\_ Address: \_\_\_\_\_

(3) Dates: From \_\_\_\_\_ to \_\_\_\_\_

Title and duties: \_\_\_\_\_

Employer: \_\_\_\_\_ Address: \_\_\_\_\_

b. Radioactive materials previously used. Cite typical radioisotopes in appropriate box and key to Part 4a., on reverse side:

Quantities Handled

	Microcuries	Millicuries	Curies	Kilocuries
Sealed sources	$^{125}\text{I}$			
Unsealed alpha emitters	$^3\text{H}$ $^{14}\text{C}$			
Unsealed beta-gamma emitters				
Neutron sources				

c. Describe procedures similar to those proposed in Part 2 with which you have had experience. Indicate months or years for each and key to Part 4a., on reverse side.

d. Indicate which types of facilities you have used and key to Part 4a., on reverse side.

- ☒ Ordinary Chemical laboratories.
- ☐ "Controlled Area" (Type B) laboratories.
- ☐ Glove boxes.
- ☐ Shielded glove boxes.
- ☐ Caves with remote manipulators.
- ☐ Field operations with portable equipment.

5. Certificate

I hereby certify that all information contained in this Statement is true and correct.

George Brohl

SIGNATURE

4-8-85

DATE

## FRSO RESPONSIBILITIES

RSPP-18

### I SUPPORTING THE AUTHORIZED USER

#### A. Authorization to Use RAM

1. Accuracy and completeness of statements.
2. Assist in making changes.
  - a) Evaluate necessity.
  - b) Consult with EH & RSO.
3. Assure compliance.
  - a) User's understanding of:
    - 1) Use of radioactive material.
    - 2) Written procedures.
  - b) Conditions of authorization.
  - c) Conditions of Associated Licenses.

#### B. Inventory Control

1. Approve procurement.
  - a) Review current inventory, including accumulated waste.
  - b) Compare request and current inventory with authorized limits.
2. Review discrepancies in received material and resolve with user and/or vendor.
3. Maintain separate Finished Goods and Demonstration Inventories
4. Provide and maintain License Verification List to User.
5. Maintain Sealed Source Inventory Accuracy and Location of Sources.

C. Posting and Labeling

1. Current.
2. Correct.
3. Availability from EH & RSO of Signs, Labels, and Tags.
  - a) Notices, Instructions, etc.
  - b) Standards for Protocol.
  - c) License and documents.
  - d) Notice of availability of above.
  - e) Vials, etc.

D. Emergency Actions

1. Notification of Incident.
  - a) Authorized user.
  - b) EH & RSO.
  - c) Regulatory agency.
2. Assessment of Incident.
  - a) Personnel emergency.
  - b) Emergency alert.
  - c) Plant emergency.
  - d) Site emergency.
  - e) General emergency.
  - f) Product emergency.
3. Direct Emergency Response.
  - a) Inform civil response teams of hazards.
  - b) Relate conditions to First Aid and Medical personnel.

- c) Supervise personnel and Environmental Monitoring.
- d) Assess need and methods of decontamination.
- e) Authorize reentry.
- f) Report incidents.

#### E. Waste Disposal

- 1. Assure proper methods.
  - a) Liquid waste.
  - b) solid waste.
- 2. Assure that waste is inventoried.
  - a) Master inventory.
  - b) Waste container.
- 3. Assure proper transfer.
  - a) Waste disposal contractor.
    - 1) Contractor's license.
    - 2) Burial certificate.
    - 3) Proper container.
- 4. Access Control.
  - a) Authorized personnel.
  - b) Container.
  - c) Area.

## II SURVEYS AND TESTS

- A. Storage and Use of Radioactive Material.
  - 1. Location.
  - 2. Control.



- B. Environmental Surveys.
  - 1. Radiation Surveys.
  - 2. Smear Surveys.
  - 3. Air Monitoring.
- C. Leak testing of Sealed Sources.
- D. Instrument calibration.
  - 1. Survey meters.
  - 2. Measuring devices.

### III RECORDS

- A. Authorization Records.
  - 1. Application for Authorization.
  - 2. Authorization to Use.
  - 3. Statement of Training and Experience for User and each Staff Member.
- B. Radioactive Material Licensing.
  - 1. License application.
  - 2. Original of license.
- C. Inventory Records.
  - 1. User's inventory.
    - a) Receipts.
    - b) Stock.
    - c) Transfers.
    - d) Drop-ship transfers.
    - e) Disposal

2. FRSO.

- a) Master inventory.
- b) License verification.
- c) Waste Disposal.

D. Environmental Monitoring and Survey Records.

E. Incident histories.

F. Personnel Monitoring Records.

G. Instrument Calibration Records.

H. Leak Test Records.

I. Records to EH & RSO.

- 1. Environmental monitoring and survey records.
- 2. Inventory summary.