

CLEVITE RESEARCH CENTER

July 3, 1957

INFORMATION REQUESTED BY DIVISION OF CIVILIAN APPLICATIONS, U. S. ATOMIC ENERGY COMMISSION ON FORM RC-17, "INFORMATION ON LICENSING OF INDUSTRIAL RADIOGRAPHY PROGRAMS".

I. EXPERIENCE OF RESPONSIBLE USER

C. Other users

None

II. FACILITIES, EQUIPMENT, RADIATION INSTRUMENTATION AND RECORDS

A. Physical Facilities

A floor plan is attached showing the location of all equipment, and the measured radiation dose rates at the rope barrier which is installed during radiography.

B. Equipment

1. Shielded exposure devices and storage containers.

a. A drawing of the combination exposure device portable container is attached.

b. The dimensions and location of the concrete storage container are given on the attached floor plan.

2. Labeling of devices.

Each combination exposure device portable container bears a label in accordance with 10-CFR-20.203 (f), containing the radiation caution symbol and the words "Radiation Hazard, Radioactive Material".

3. Remote handling equipment.

The Cobalt 60 sealed sources are never removed from the combination exposure devices portable containers, a drawing of which is attached.

- a. 30 seconds
- b. 30 seconds
- c. never
- d. three
- e. 12.3 mr

4. Source Capsule (container)

The Cobalt 60 sealed sources are never taken from the combination exposure devices portable containers.

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II. C. Restriction of Areas and Radiation Warning Signs

1. The area in which the concrete storage vault is located is posted with a sign bearing the radiation caution symbol and the words "Caution, Radioactive Material" in accordance with 10-CFR-20.203(e).
2. Each combination exposure device portable container bears a label, in accordance with 10-CFR-20.203 (f), containing the radiation caution symbol and the words "Radiation Hazard, Radioactive Material".
3. The concrete storage vault has a sign posted over it stating in accordance with 10-CFR-20.203 (f) (4), that 4 curies of Cobalt 60 measured on the shipping dates of October 18, 1950 and February 29, 1952 are stored there.
4. Since each radiographic setup continues for a maximum time of only two hours the exposure device is constantly attended in accordance with 10-CFR-20.204 (c).

D. Instrumentation

1. Survey instruments.
 - a. Beta Gamma Survey Meter, Victoreen Model 263B., No. 384, with a range of 0.2 mr/hr to 20 mr/hr.
 - b. Geiger Counter, Victoreen Thyac II, Model 646, No. 163, with a range of 0 mr/hr to 25 mr/hr.
2. Personnel monitoring
 - a. Minometer, Victoreen No. 287-2274 with Pocket Chambers Nos. 7130, 7965, 7798, 7880, 8587 with a sensitivity range of 0R to 0.2R.
 - b. Film badge service from R. S. Landauer, Jr. & Company, 24 Plaza, Park Forest, Illinois.