

59  
Key all - (111)  
~~1100~~  
**GENERAL STEEL INDUSTRIES, INC.**

CASTINGS DIVISION

1417 State Street  
Granite City, Illinois 62040  
618 • GL 2-2120

April 22, 1968

Mr. James Milaro  
Senior Reviewer  
Division of Licensing and Regulation  
United States Atomic Energy Commission  
Washington, D. C. 20545

Dear Sir:

Since receiving our new Radionic Panoramic Camera P60-100-2, we find it desirable to use the source in other protected areas other than those specified in our license. We are attaching an operating procedure which we believe to be satisfactory but would request this approval prior to putting it into use. If you find this to be satisfactory, we will add this procedure to each of the current applications for the United States Atomic Energy Commission Byproduct Material License No. 12-8271-1. This amendment will then be inserted in section 6 (e).

Sincerely,

*H B Norris*

H. B. Norris  
Manager of Quality Control

HBN:lw

Attachments

**DUPLICATED**  
FOR DIV. OF COMPLIANCE

02239



A/25

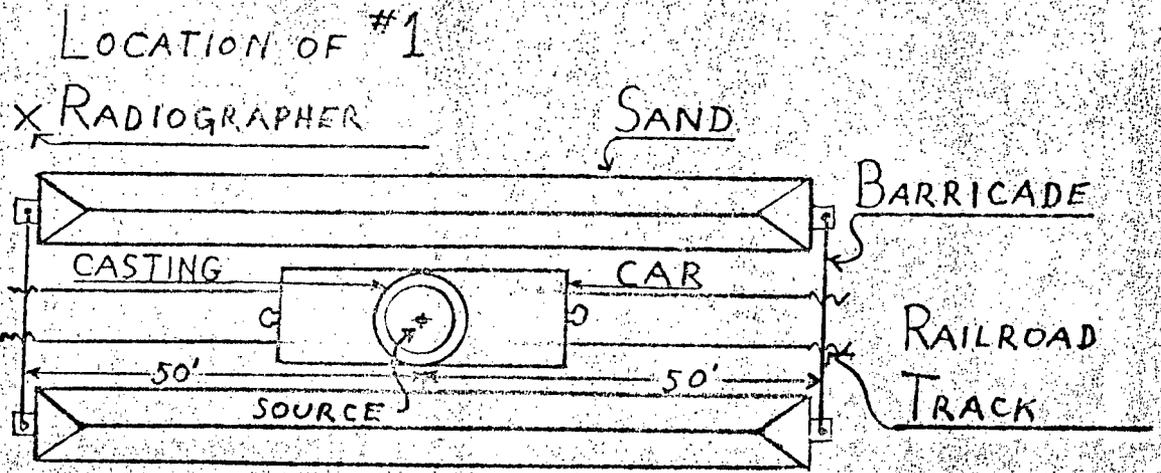
OPERATING PROCEDURE FOR USE OF COBALT 60 RADIOGRAPHIC SOURCE IN YARD AREA AT GRANITE CITY PLANT SITE

All radiographers must wear film badges and pocket chambers when using the Co 60 source.

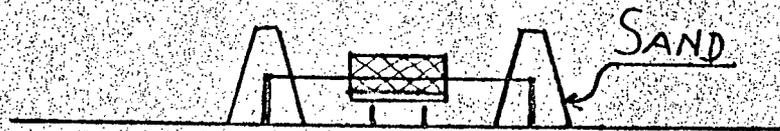
1. Place the car with the casting in place in the specially prepared radiographic area. (See attached sketch.)
2. Move the Radionic Panoramic Camera Model P60-100-2 into position making sure that the source is locked in the closed position.
3. Set up exposure film and fix the position of the source tube. The source should always be located within the casting surfaces so as to obtain the maximum shielding possible from the casting. Make certain that the tube is not kinked so that the source movement is restricted.
4. Close off the open ends of the track with rope and warning signs. Station one radiographer with his survey meter at one end of the area. He shall make sure no one moves into the radiation area during the exposure.
5. Unlock the camera and move the source into position making sure the crank is in the maximum protected position.
6. Move outside the roped off area with the survey meter to assure locating in a safe area. Visually check the area during exposure to keep unauthorized people out of the area.
7. Complete the exposure and return the source to the camera. Lock the source in the closed position.
8. Make a survey of the area to assure the source is properly returned to the camera and the area is safe.
9. Make the entries in the Utilization and Survey Log covering the exposure made and the pocket chamber readings.
10. Repeat steps 1 through 9 as required.
11. The camera and source shall not be left unattended in an unlocked or unguarded area. When the work is completed or at the end of the working day, the camera and source shall be returned to a locked or guarded enclosure.

OPERATING PROCEDURE FOR USE OF COBALT 60 RADIOGRAPHIC  
SOURCE IN YARD AREA AT GRANITE CITY PLANT SITE

12. When the camera and source are removed from the area, the ropes and warning signs shall be removed.
13. A final pocket chamber reading shall be made and recorded at the end of each shift.
14. See the Emergency Procedure for proper action in case of an emergency. Follow the specified procedures and call Mr. H. B. Norris immediately. His telephone number is available through the guard force which is active at all times seven days each week.



LOCATION OF #2  
RADIOGRAPHER X



TYPICAL COBALT 60 SET UP  
IN YARD AT  
GENERAL STEEL INDUSTRIES, INC.

02239