

Form NRC-313R
(7-77)
10 CFR 34

U.S. NUCLEAR REGULATORY COMMISSION
APPLICATION FOR BYPRODUCT MATERIAL LICENSE—
USE OF SEALED SOURCES IN RADIOGRAPHY

Approved by GAO
B-180255(R0335)

(SEE ATTACHED FORM NRC-313R INSTRUCTIONS AND NRC REGULATORY GUIDE 10.6—USE SUPPLEMENTAL SHEET WHERE NECESSARY) BE SURE ALL ITEMS ARE COMPLETED AND THAT ALL NECESSARY ATTACHMENTS ARE FURNISHED. IF ANY PORTION OF THE APPLICATION IS NOT APPLICABLE SPECIFICALLY SO STATE. DEFICIENT OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION. LICENSE FEE REQUIRED. SEE ITEM 7 OF INSTRUCTIONS.

1(a) NAME AND ADDRESS OF APPLICANT AND TELEPHONE NUMBER Oklahoma Steel Castings Company 1200 N. Peoria Tulsa, OK 74106 1(b) TELEPHONE NO. Area Code 918, 585-9285		2 THIS IS AN APPLICATION FOR (Check appropriate item) A <input type="checkbox"/> NEW LICENSE B <input checked="" type="checkbox"/> AMENDMENT TO LICENSE NO. 35-21159-01 C <input type="checkbox"/> RENEWAL OF LICENSE NO. _____
1(c) APPLICANT IS: An individual <input type="checkbox"/> A partnership <input type="checkbox"/> A Corporation <input type="checkbox"/> An Unincorporated Association <input type="checkbox"/> Other <input type="checkbox"/> If applicant is other than an individual, the applicable section on the reverse side must be completed.		3 LOCATION(S) WHERE SEALED SOURCES WILL BE USED AND/OR STORED. (If use will be made in stores other than named in 1(a), they should be listed here.)

4. SEALED SOURCES TO BE USED IN RADIOGRAPHY (Attach supplementary pages, if necessary)

BYPRODUCT MATERIAL (Element and Mass No.)	SOURCE MODEL NUMBER	NAME OF MANUFACTURER	MAXIMUM ACTIVITY PER SOURCE	NUMBER OF SOURCES
A Iridium 192	A 866 or	A Tech/Ops	A 100 ci	A 2
B	B G1 and G2	B SPEC	B	B
C	C	C	C	C

5(a) RADIOGRAPHIC EXPOSURE DEVICES (Attach supplementary pages, if necessary)

MODEL NUMBER	NAME OF MANUFACTURER (Include description if custom made)
A Model 520 or	A Automation Industries, Inc.
B Model C1	B SPEC
C	C

5(b) RADIOGRAPHIC SOURCE CHANGERS (Attach supplementary pages, if necessary)

MODEL NUMBER	NAME OF MANUFACTURER (Include description if custom made)
A Model 650 or Model 500 SU or	A Tech/Ops, Inc. or Automation Industries, Inc.
B Model C1	B SPEC
C	C

6. THE FOLLOWING INFORMATION IS ATTACHED AS A PART OF THIS APPLICATION: (Check appropriate blocks and attach information called for in the instructions with this form.)

	Not Applicable	Attached	Previously Submitted
(a) Description of radiographic facilities (Instruction 6-a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) Description of radiation detection instruments to be used (Instruction 6-b)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Instrument calibration procedures (Instruction 6-c)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Personnel monitoring equipment (Instruction 6-d)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) Operating and emergency procedures (Instruction 6-e)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) Training program (Instruction 6-f)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(g) Internal inspection system or other management control (Instruction 6-g)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(h) Overall organizational structure (Instruction 6-h)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(i) Leak testing procedures (Instruction 6-i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATE (This item must be completed by applicant)

7. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN ITEM 1, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PART 30, AND THAT ALL INFORMATION CONTAINED HEREIN, INCLUDING ANY SUPPLEMENTS ATTACHED HERETO, IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.

LICENSE FEE ENCLOSED \$ 40.00

8512050380 851031

REG4 LIC30

35-21159-01 PDR

DATE April 17, 1985

BY

Leslie A. O'Brien
(Signature)

Vice President

(Type or print name of certifying official)

(Title of certifying official)

WARNING.—18 U.S.C., Section 1001, Act of June 25, 1948, 62 Stat. 749, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States or to any member within its jurisdiction.

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ORGANIZATIONAL STRUCTURE
OKLAHOMA STEEL CASTINGS RADIOGRAPHY DEPT.

Structure

A chart of the overall management structure of Oklahoma Steel Castings Company is included in this Section. The Radiation Safety Officer will be responsible for the operations of the radiography department and shall report to the General Manager. All radiographers and assistant radiographers will report directly to the Radiation Safety Officer in matters pertaining to the radiography department.

The Radiation Safety Officer and Radiographers shall meet the following requirements:

1. They must be thoroughly knowledgeable of the applicable parts of the NRC regulations, Parts 20, 30, 34 and trained in the subjects of Part 34, Appendix A of NRC Title 10.
2. They must be thoroughly familiar with the Operating and Emergency Procedures and have demonstrated competence in the safe handling of isotopes.
3. Attained ASNT level I in radiography. The Qualifications and Resumes of each Radiographer and assistant radiographer is included in this section.

Job Description

Radiation Safety Officer:

The employee in this position is responsible for all matters pertaining to the safe operation of radioactive sources. He will be responsible for enforcing the regulations of the Nuclear Regulatory Commission and insuring that all radiographic operations are done in accordance with these rules and with the NRC license. He will be a qualified radiographer with training in the use of the types of equipment used in this facility. He is appointed to his position by the General Manager.

The Radiation Safety Officer is responsible for the following duties, some of which he may delegate to persons of lesser authority:

1. Serving as the licensee's liaison officer with the Nuclear Regulatory Commission on license matters.
2. Maintaining control of procurement and disposal of licensed material.
3. Developing and maintaining up-to-date operating and emergency procedures.
4. Establishing and maintaining a personnel monitoring program.
5. Procuring and maintaining radiation survey instruments.
6. Establishing and conducting the training program for radiographers and radiographers' assistants.

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The Radiation Safety Officer and Radiographers shall meet the following requirements:

1. They must be thoroughly knowledgeable of the applicable parts of the NRC regulations, Parts 20, 30, 34 and trained in the subjects of Part 34, Appendix A of NRC Title 10.
2. They must be thoroughly familiar with the Operating and Emergency Procedures and have demonstrated competence in the safe handling of isotopes.
3. Attained ASNT level I in radiography. The Qualifications and Resumes of each Radiographer and assistant radiographer are maintained in the personnel file in the Oklahoma Steel Casting Radiography Department.

Job Description

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7. Examining and determining competence of radiographic personnel.
8. Establishing and maintaining storage facilities.
9. Maintaining exposure devices, radiography facilities, and associated equipment.
10. Establishing and maintaining the leak-testing program.
11. Establishing and maintaining the internal inspection system.
12. Performing source replacement and source tagging operations.
13. Conducting quarterly inventories and maintaining utilization logs.
14. Establishing and conducting a survey instrument calibration program.
15. Establishing and maintaining the licensee's recordkeeping system.
16. Reviewing and ensuring maintenance of those records kept by others.
17. Assuming control and instituting corrective action in emergency situations.
18. Investigating the cause of incidents and determining necessary preventive action.
19. Acting in an advisory capacity to the licensee's management and radiography personnel.
20. Establishing a procedure for evaluating and reporting defects and noncompliance pursuant to 10 CFR Part 21.

Radiographer

The radiographers report directly to the Radiation Safety Officer. The radiographers are responsible for the actual operation of exposure devices, film development, and interpretation. Their duties incident to producing radiographs include the following:

1. Maintaining safe operating conditions as instructed by the Radiation Safety Officer, the applicable sections of the NRC regulations and the Oklahoma Steel Operating and Emergency Procedures.
2. Maintain supervision of the radiographic exposure vault at all times during exposure.
3. Maintenance of personnel monitoring equipment per Section 6 (d) of the NRC license application.
4. Instrument calibration per 6 (c) of the NRC license application.
5. Maintenance and inspection of exposure devices on a routine basis as outlined in the Emergency and Operating Procedures.
6. Leak testing per Section 6 (i) of the NRC license application.
7. Keeping appropriate records as instructed by the Radiation Safety Officer.

Assistant Radiographer

The assistant radiographers are to be supervised by the radiographer and will perform such tasks as instructed by the radiographer.

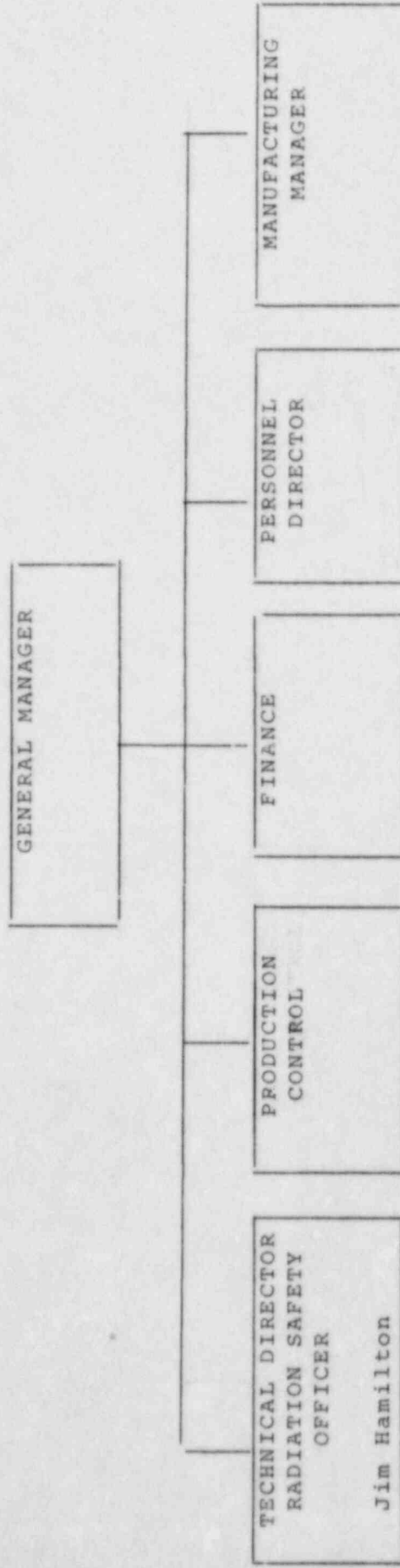
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Assistant radiographers will handle isotopes only when under the direct supervision of the radiographer.

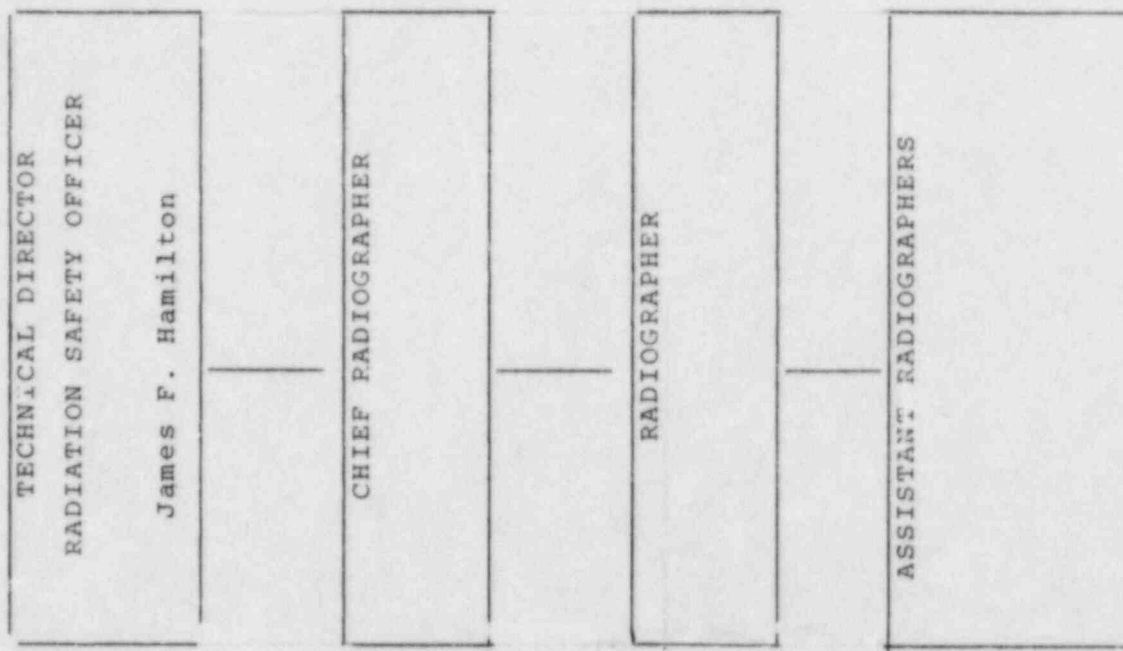
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OKLAHOMA STEEL CASTINGS

STAFF CHART



OKLAHOMA STEEL CASTINGS
RADIOGRAPHY ORGANIZATIONAL CHART



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