

NRC FORM 313
(5-1997)
10 CFR 30, 32, 33
34, 35, 36, 39 and 40

U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3158-0120

EXPIRES: 7/31/1999

APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this information collection request: 7 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Forward comments regarding burden estimate to the Information and Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0120), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, an information collection unless it displays a currently valid OMB control number.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,
SEND APPLICATIONS TO:

ATLANTA FEDERAL CENTER
U. S. NUCLEAR REGULATORY COMMISSION, REGION II
61 FORSYTH STREET, S.W., SUITE 23785
ATLANTA, GEORGIA 30303-3415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,
SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532-4351

ALASKA, ARIZONA, ARKANSAS, ALABAMA, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,
LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA,
OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,
WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>SMB-911</u></p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)</p> <p>Fansteel Inc. Number One Tantalum Place North Chicago, IL 60064</p>
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<p>3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>Fansteel Inc. Number One Tantalum Place Muskogee, OK 74403</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>John J. Hunter TELEPHONE NUMBER (918) 687-6303</p>
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SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

<p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>		
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>		
<p>9. FACILITIES AND EQUIPMENT.</p>	<p>10. RADIATION SAFETY PROGRAM.</p>		
<p>11. WASTE MANAGEMENT.</p>	<p>12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)</p> <table border="1"> <tr> <td>FEE CATEGORY</td> <td>AMOUNT ENCLOSED \$</td> </tr> </table>	FEE CATEGORY	AMOUNT ENCLOSED \$
FEE CATEGORY	AMOUNT ENCLOSED \$		

13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.
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 AS TO ANY MATTER WITHIN ITS JURISDICTION.

<p>CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE</p> <p>Michael J. Mocniak, Vice President</p>	<p>SIGNATURE</p> 	<p>DATE</p> <p>7/6/99</p>
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FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

**License SMB-911 Amendment Request
Information Requested to be Attached to Form 313**

Item 5 - Radioactive Material

a. Element and mass number

Uranium U-238
Thorium Th-232

b. Chemical/physical form

- (1) Solid form as an oxide in tin slag and ore processing residues.
- (2) As a contaminant in soil and sediment.

c. Maximum amount processed

- | | |
|-----------------------------|----------------------------|
| (1) Uranium 238 - 43,000 kg | (2) Uranium 238 - 4,000 kg |
| Thorium 232 - 71,000 kg | Thorium 232 - 2,500 kg |

This proposed amendment is for the processing of licensed material currently stored on site.

Item 6 - Purposes for Which Licensed Material will be Used

Authorization is requested for the possession, use, storage, and transfer of natural uranium and thorium and their progenies, contained in metal processing residues. The material will not be used, per se, as it is viewed as a contaminant to the process.

Item 7 - Individuals Responsible for Radiation Safety Program

Plant Radiation and Safety Officer/Plant Safety Director - Currently Monty Mooring
B.S. Chemistry, Northeastern State University of Oklahoma, 1991
10 years of industrial experience
Certified as successfully completing the PRSO course offered by CSI (Communications Science Institute), Gaithersburg, MD, June 1999

Item 8 - Training for Individuals Working in a Restricted Area

Training for individuals working in the plant is administered at orientation and annually as refresher training. In addition, specific training is held as new or different procedures are introduced.

Copy, follow dated 7/7/99

*Changes
① license conditions
② NRC form 313
- items for PRSO
③ Figure 3
- item B
④ Training
Dec 87 - Approval
Part 40.33B*

*Michael,
Should this info
be attached to form
313.
Is it already attached
? Can we change
training report in
this amendment
The response submitted
when the requirement of
PRSO*

Item 9 - Facilities and Equipment

The facility and equipment is located at the following:

Fansteel Inc.
10 Tantalum Place
Muskogee, OK 74403-9296

The facility will contain all equipment necessary to extract Tantalum, Columbium, and Scandium from pond residues. In addition, it contains equipment necessary to meet plant specific and National Pollutant Discharge Elimination System (NPDES) requirements for plant effluents.

Item 10 - Radiation Safety Program

Items are addressed in Section 3.0 of Part I of the license

Item 11 - Waste Management

Liquid waste will be treated and discharged per NPDES permit. Solid wastes will be treated, minimized, processed, stored, and disposed of per operating plan.

Item 12 - License Fees

The license currently falls under 10 Code of Federal Regulations 170.31 Category 2, License Amendment, and is stated as "Full Cost". Therefore, the license fee is billable by the Nuclear Regulatory Commission.

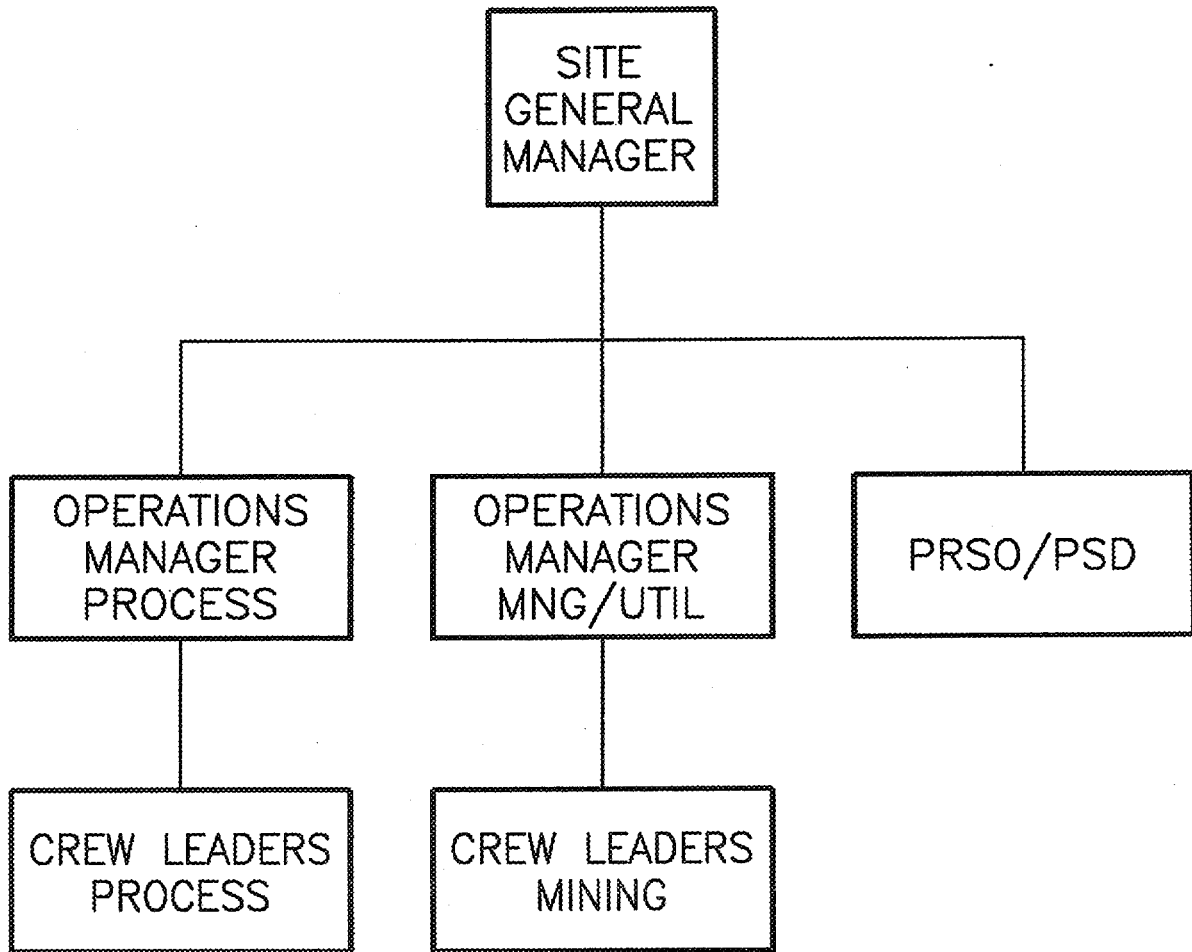



FIGURE 3
RADIATION SAFETY
COMMITTEE ORGANIZATION

PREPARED FOR
FANSTEEL INC.
MUSKOGEE, OKLAHOMA

APPROVED <i>GEW 7/7/99</i>	 Earth Sciences Consultants, Inc.
CHECKED <i>SCJ 7/7/99</i>	
DRAWN <i>GA 06/24/99</i>	
DRAWING NUMBER 3789023	