

NRC FORM 313
(4-2004)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2005

Estimated burden per response to comply with this mandatory 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. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIAL LICENSE

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:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

(52-31051-01)

LL 31051
03036944
03121

ALASKA, ARIZONA, ARKANSAS, 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 BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

RECEIVED
REGION I
MAY 13 AM 1
4

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 checked="" type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (include ZIP code)</p> <p>JPC Group, Inc. (Greg Petrongolo) 228 Blackwood-Barnsboro Road Blackwood, New Jersey 08012</p>
---	--

<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>228 Blackwood-Barnsboro Road Blackwood, New Jersey 08012</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Bryan Spadt</p> <p>TELEPHONE NUMBER</p> <p>(856) 232-0400</p>
---	--

<p>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>	
<p>5. RADIOACTIVE MATERIAL 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. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <p>FEE CATEGORY 3p AMOUNT ENCLOSED \$1,200.00</p>

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>Bryan Spadt - Assistant Project Manager</p>	<p>SIGNATURE</p> <p>Bryan Spadt</p>	<p>DATE</p> <p>5/10/2005</p>
---	-------------------------------------	------------------------------

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND PROPOSED USES

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
Yes		Cesium-137	Sealed source manufacturer or distributor and model number: <u>Troxler Model 3440</u> Device manufacturer or distributor and model number: <u>Troxler Model 3440</u>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: <u>To be used in Troxler Model 3440 series gauges for measurement of physical properties of materials</u>	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are: (Submit safety analysis supporting safe use)
Yes		Americium-241	Sealed source manufacturer or distributor and model number: <u>Troxler Model 3440</u> Device manufacturer or distributor and model number: <u>Troxler Model 3440</u>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: <u>To be used in Troxler 3440 series gauges for measurement of physical properties of materials</u>	<input type="checkbox"/> Not applicable <input type="checkbox"/> Uses are: (Submit safety analysis supporting safe use)

APPENDIX B

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	No	Californium-252	Sealed source manufacturer or distributor and model number: <hr/> Device manufacturer or distributor and model number: <hr/>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> Not applicable <hr/> <input type="checkbox"/> Uses are: <hr/> (Submit safety analysis supporting safe use)
	No	Other Isotope (Specify):	Sealed source manufacturer or distributor and model number: <hr/> Device manufacturer or distributor and model number: <hr/>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: <hr/>	<input type="checkbox"/> Not applicable <hr/> <input type="checkbox"/> Uses are: <hr/> (Submit safety analysis supporting safe use)
<i>Financial Assurance Required and Evidence of Financial Assurance Provided</i>						

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER</p> <p>Name: <u>Greg Petrongolo</u></p>	<p>Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p>	<p>Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>9. FACILITIES AND EQUIPMENT</p>	<p>No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program – Public Dose" and "Radiation Safety Program – Operating and Emergency Procedures."</p>	<p>Separate Item 9 Response Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM – AUDIT PROGRAM</p>	<p>The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.</p>	<p>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITIES</p>	<p>The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.</p>	<p>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS</p>	<p>We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

APPENDIX B

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNTABILITY	Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY	Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – PUBLIC DOSE	The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.		Need Not Be Submitted With Application
10. RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES	<p>We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.</p> <p style="text-align: center;">OR</p> <p>Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – LEAK TEST	Leak tests will be performed at intervals approved by NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.	<input checked="" type="checkbox"/>	<p><input type="checkbox"/></p> <p>The information in Appendix J supporting a request to perform leak testing and sample analysis is attached.</p>

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM – MAINTENANCE	<p><i>Routine Cleaning and Lubrication</i></p> <p>We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Non-Routine Maintenance</i></p> <p>We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.</p>
10. RADIATION SAFETY PROGRAM – TRANSPORTATION	<p>The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.</p>		<p>Need Not Be Submitted With Application</p>
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	<p>The applicant is <i>not</i> required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.</p>		<p>Need Not Be Submitted With Application</p>



Operating and Emergency Procedures

APPENDIX H

OPERATING AND EMERGENCY PROCEDURES

OPERATING PROCEDURES

1. Always wear assigned personnel dosimetry devices (e.g., TLD badge) when using or transporting the gauge.
2. Never wear another person's dosimeter.
3. Never store a dosimeter near the gauge or other radiation source.
4. Before removing the gauge from its place of storage, ensure that in gauges with movable source rods, the rod is locked in the shielded position, and the transport case is locked.
5. Sign out the gauge in a logbook, stating the date(s) of use, name(s) of authorized user(s) who will be responsible for the gauge, and the temporary job site(s) where the gauge will be used.
6. Block and brace the gauge to prevent movement during transport and lock the gauge in or to the vehicle. Follow all Department of Transportation requirements when transporting the gauge.
7. Use the gauge according to the manufacturer's instructions and recommendations.
8. Do not touch the end of the source rod with your fingers, hands, or any part of your body or place any part of the body in the radiation field of the unshielded source.
9. Unless absolutely necessary, do not look under the gauge when the source rod is being lowered into the ground. If you must look under the gauge to align the source rod with hole, keep all body parts as far from the unshielded source as possible to minimize radiation exposure.
10. After completing each measurement in which the source is unshielded, immediately return the source to the shielded position.
11. Always maintain constant surveillance and immediate control of the gauge when it is not in storage or secured in the transport vehicle. Never leave the gauge unattended. Protect the gauge and yourself from danger of moving heavy equipment.
12. Always keep unauthorized persons away from the area where the gauge is being used.
13. Perform routine cleaning and maintenance according to the manufacturer's instructions and recommendations.
14. When the gauge is not in use at a temporary job site, place the gauge in a secured storage location (e.g., locked in the trunk of a car or locked in a storage shed).
15. Prior to transporting the gauge, ensure that each gauge source is in the fully shielded position. Ensure that the source rod is locked in the shielded position and that the gauge is placed into the case and lock the case. Block and brace the gauge to prevent movement during transportation. Lock the case in or to the vehicle.
16. Return the gauge to its proper storage location at the end of the work shift.
17. Log the gauge into the daily use log when it is returned to storage.

18. If gauges are used for measurements with the unshielded source extended more than 3 feet below the surface, use piping, tubing or other casing material to line the hole from the lowest depth to 12 inches above the surface. If the piping, tubing, or other casing material cannot extend 12 inches above the surface, cap the hole liner or take other steps to ensure that the hole is free of debris (and it is unlikely that debris will enter the cased hole), so that the unshielded source can move freely (e.g., use a dummy probe to verify that the hole is free of obstructions).
19. After making changes affecting the gauge storage area (e.g., changing the location of gauges within the area, removing shielding, adding gauges, changing the occupancy of adjacent areas, moving the storage area to a new location), reevaluate compliance with public dose limits and ensure proper security of gauges.

EMERGENCY PROCEDURES

The following procedures apply when the source fails to return to the shielded position (e.g., as a result of being damaged, source becomes stuck below the surface) or if any other emergency or unusual situation arises (e.g., the gauge is struck by a moving vehicle or is in an accident involving a vehicle):

1. Immediately secure the area and keep people at least 15 feet away from the gauge until the situation is assessed and radiation levels are known. However, perform first aid for injured individuals and remove them from the area only when medically safe to do so.
2. If any heavy equipment is involved, detain the equipment and operator until it is determined there is no contamination present.
3. Gauge users and other potentially contaminated individuals should not leave the scene until emergency assistance arrives.
4. Visually inspect the gauge to determine the position of the source rod (exposed or shielded), and the position of the source shutter (open or closed), and the extent of damage, if any, to the source housing and/or shielding.
5. Notify the persons in the order listed below:

Name	Work Phone Number	Home Phone Number
Greg Petrongolo	856-232-0400	[REDACTED]
Troxler	301-924-3336	[REDACTED]
Jeff Petrongolo	856-232-0400	[REDACTED]

Fill in the names and telephone numbers of appropriate personnel (e.g., the Radiation Safety Officer or other knowledgeable staff, licensee's consultant, gauge manufacturer, or regulatory agency) to be contacted in an emergency. Update list as needed.

6. Follow the directions provided by the person contacted above.
7. RSO and Licensee management must:
 - a. Arrange for a radiation survey to be conducted as soon as possible by a knowledgeable person using appropriate radiation detection instrumentation. This person could be a licensee employee or a consultant. The person must be competent in use of the survey meter.
 - b. Make necessary notifications to local authorities as well as the NRC or Agreement State licensing agency as appropriate.
 - c. Reports to the NRC or Agreement States must be made within the reporting timeframes specified in regulations. Reporting requirements are found in 10 CFR 20.2201-2203 and 10 CFR 30.50 or corresponding Agreement State regulations.

NOTE

Before shipping a damaged gauge to Troxler, you must do the following:

- ◆ **Send close-up photographs of the damaged gauge to Troxler.**
- ◆ **Send a leak test sample to Troxler for analysis or send leak test results.**
- ◆ **Obtain a Returned Goods Authorization (RGA) number from Troxler.**

APPENDIX C

SOURCE INFORMATION FOR TROXLER GAUGES

The following tables provide source information for current production gauges, as well as gauges that are no longer in production. The gauge registries listed under the *Registry No.* column are available at www.hsrdo.nrc.gov/nrc/ssdr/ssdrindx.htm.

Current Production Gauges				
Gauge Model	Radionuclide	Max. Activity	Source Drawing	Registry No.
3216	Am-241:Be	44 mCi	A-102451	NC-646-D-126-S
3241-C 3241-G	Am-241:Be	300 mCi or 100 mCi	A-100337 or A-100608	NC-646-D-128-S
3242	Cf-252	100 μ Ci	A-105162	NC-646-D-135-B
3400 Series 3430 3440	Cs-137 Am-241:Be	9 mCi 44 mCi	A-102112 A-102451	NC-646-D-130-S
3430-M 3440-M	Cs-137 Cf-252	9 mCi 66 μ Ci	A-102112 A-105560	NC-646-D-130-S
3450	Cs-137 Am-241:Be	9 mCi 44 mCi	A-102112 A-102451	NC-646-D-138-S
4232	Cf-252	100 μ Ci	A-105162, A-105862	NC-646-D-137-S
4300 series 4301 4302 4350	Am-241:Be Cs-137	11 mCi 9 mCi	A-102700 A-102112	NC-646-D-134-S
4640 4640-B	Cs-137	9 mCi	A-102112	NC-646-D-131-S

Gauges No Longer in Production				
Gauge Model	Radionuclide	Max. Activity	Source Drawing	Registry No.
1201 (old 117 w/ S-1 Ref. Std.)	Ra-226:Be	3 mg	A-100280	NC-646-D-801-S
1205 (old 217-104A) 1207 (old 217-105A) 217	Am-241:Be	100 mCi	A-100608	NC-646-D-812-S
1226 (old AC-200)	Am-241:Be	100 mCi	MRC-N-SS-W-AMBE	NC-646-D-813-S
2226	Am-241:Be	300 mCi	A-100337	NC-646-D-814-S
1255 (old 104A/S-5A) 1257 (old 105A/S-6A)	Am-241:Be	100 mCi	A-100608	NC-646-D-815-S



Letter of **TRANSMITTAL**

To: Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. NRC Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

5/10/05

Re: Nuclear Density Gauge License

JPC Group Inc.

228 Blackwood-Barnsboro Rd.
Blackwood, NJ 08012
Phone: 856 232-0400
Fax: 856 232-1243

We are sending you:

Shop Dwgs: Prints: Copy of Letter: Change Order: Submittals:

No.	Description	Date	Copies	Revision
001	Application, 6 Pages	5/10/05	2	
002	Source Info. On Gauge Model, 1 Page	5/10/05	2	
003	Radiation Safety Program, 4 Pages	5/10/05	2	

These are transmitted as listed below: FedEx

I hope I sent everything that you need, but I probably missed something or did something wrong. If this is the case, or you have any questions, just give me a call and I will help you out the best I can in getting everything straight. Thanks.

Bryan Spadt

APPENDIX C

SOURCE INFORMATION FOR TROXLER GAUGES

The following tables provide source information for current production gauges, as well as gauges that are no longer in production. The gauge registries listed under the *Registry No.* column are available at www.hsrdr.ornl.gov/nrc/ssdr/ssdrindx.htm.

Current Production Gauges				
Gauge Model	Radionuclide	Max. Activity	Source Drawing	Registry No.
3216	Am-241:Be	44 mCi	A-102451	NC-646-D-126-S
3241-C 3241-G	Am-241:Be	300 mCi or 100 mCi	A-100337 or A-100608	NC-646-D-128-S
3242	Cf-252	100 μ Ci	A-105162	NC-646-D-135-B
3400 Series 3430 3440	Cs-137 Am-241:Be	9 mCi 44 mCi	A-102112 A-102451	NC-646-D-130-S
3430-M 3440-M	Cs-137 Cf-252	9 mCi 66 μ Ci	A-102112 A-105560	NC-646-D-130-S
3450	Cs-137 Am-241:Be	9 mCi 44 mCi	A-102112 A-102451	NC-646-D-138-S
4232	Cf-252	100 μ Ci	A-105162, A-105862	NC-646-D-137-S
4300 series 4301 4302 4350	Am-241:Be Cs-137	11 mCi 9 mCi	A-102700 A-102112	NC-646-D-134-S
4640 4640-B	Cs-137	9 mCi	A-102112	NC-646-D-131-S

Gauges No Longer in Production				
Gauge Model	Radionuclide	Max. Activity	Source Drawing	Registry No.
1201 (old 117 w/ S-1 Ref. Std.)	Ra-226:Be	3 mg	A-100280	NC-646-D-801-S
1205 (old 217-104A) 1207 (old 217-105A) 217	Am-241:Be	100 mCi	A-100608	NC-646-D-812-S
1226 (old AC-200)	Am-241:Be	100 mCi	MRC-N-SS-W-AMBE	NC-646-D-813-S
2226	Am-241:Be	300 mCi	A-100337	NC-646-D-814-S
1255 (old 104A/S-5A) 1257 (old 105A/S-6A)	Am-241:Be	100 mCi	A-100608	NC-646-D-815-S

This is to acknowledge the receipt of your letter/application dated

5/16/2005, and to inform you that the initial processing which includes an administrative review has been performed.

New License Application (03036944)
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 137006.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
:
: Program Code: 03121
: Status Code: 3
: Fee Category: _____
: Exp. Date: 0
: Fee Comments: _____
: Decom Fin Assur Req: _
: ::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
Applicant/Licensee: JPC GROUP, INC.
Received Date: 20050513
Docket No: 3036944
Control No.: 137006
License No.: 52-31051-01
Action Type: New Licensee

2. FEE ATTACHED
Amount: \$1,200.00
Check No.: 010680

3. COMMENTS
Signed *Rebecca Jurok*
Date 5/13/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /_/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____