

Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0013), 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.

## REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS

(Please read the instructions before completing this form)

<p>1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below)</p> <p><b>Patrick Engineering Inc.</b></p>	<p>2. TYPE OF REPORT</p> <p><input checked="" type="checkbox"/> INITIAL      <input type="checkbox"/> CHANGE</p>
<p>3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located)</p> <p><b>4970 Varsity Drive Lisle, IL 60532</b></p>	<p>4. LICENSEE CONTACT AND TITLE</p> <p><b>James A. Kingsfield, Safety Director/RSO</b></p>
<p>5. TELEPHONE NUMBER (Include Area Code)</p> <p><b>(630) 795-7200</b></p>	<p>6. FACSIMILE NUMBER (Include Area Code)</p> <p><b>(630) 434-8400</b></p>

**7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20**

WELL LOGGING     
  LEAK TESTING AND/OR CALIBRATIONS     
  TELETHERAPY/IRRADIATOR SERVICE  
 PORTABLE GAUGES     
  OTHER (Specify) ⇒ \_\_\_\_\_  
 RADIOGRAPHY ⇒ \_\_\_\_\_

REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

<p>8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE</p> <p><b>BP Products North America Inc. Whiting Business Unit 757 River Oaks Drive Calumet City, IL 60409</b></p>	<p>9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.)</p> <p><b>127th &amp; Indianapolis Blvd. Whiting, IN</b></p>
<p>10. CLIENT TELEPHONE NUMBER (Include Area Code)</p> <p><b>(219) 473-3064</b></p>	<p>11. WORK LOCATION TELEPHONE NUMBER (Include Area Code)</p> <p><b>(219) 473-3064</b></p>

12. DATES SCHEDULED	13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM: <b>08/01/2010</b> TO: <b>11/01/2010</b>	<b>93</b>			NUMBER TO BE ASSIGNED BY NRC

**LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.**

17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)

**Troxler 3411b  
Am-241:BE-44 mCi  
Cs-137-9 mCi**

18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 9 ABOVE. (One copy of the specific license must accompany the initial NRC Form 241.)	LICENSE NUMBER <b>IL01740-01</b>	STATE <b>IL</b>	EXPIRATION DATE <b>09/30/2011</b>
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**19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)**

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- All information in this report is true and complete.
- I have read and understand the provision of the general license 10 CFR 150.20 printed on the instructions of this form; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission.
- I understand that activities, including storage, conducted in non-Agreement States under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year.
- I understand that I may be inspected by NRC at the above listed work site locations and at the Licensee home office address for activities performed in non-Agreement States or offshore waters.
- I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.

CERTIFYING OFFICER - RSO or Management Representative (Name and Title)	SIGNATURE	DATE
<b>James A. Kingsfield, Safety Director/RSO</b>	<i>James A. Kingsfield</i>	<b>08/06/2010</b>

**WARNING: False statements in this certificate may be subject to civil and/or criminal penalties. NRC regulations require that submissions to the NRC be complete and accurate in all material respects. 18 U.S.C. Section 1001 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.**

<b>FOR NRC USE ONLY</b>	REVIEWING OFFICIAL (Typed/Printed Name and Title)	SIGNATURE	DATE	TOTAL USAGE -- DAYS TO DATE

ENR8FLM-004-01 (9/91)

STATE OF ILLINOIS  
ILLINOIS EMERGENCY MANAGEMENT AGENCY  
DIVISION OF NUCLEAR SAFETY

**RADIOACTIVE MATERIAL LICENSE**

1035 OUTER PARK DRIVE  
SPRINGFIELD, ILLINOIS 62704

Pursuant to the Illinois Radiation Protection Act and the rules and regulations in 32 Illinois Administrative Code promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive material(s) listed herein, and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified in the license.

LICENSEE  
Patrick Engineering, Inc.  
4970 Varsity Drive  
Lisle, IL 60532

LICENSE NUMBER  
IL-01740-01

EXPIRATION DATE  
September 30, 2011

AMENDMENT NUMBER  
9

Attention: Daniel P. Dietzler  
President

In accordance with application dated August 29, 2006, License Number IL-01740-01 is renewed in its entirety. Previous amendments are void.

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Cs-137	Sealed Source - Amersham Model CDCW556 or Isotope Products Laboratories Model HEG-137-8M (formerly Troxler Drawing No. A-102112)	9 mCi	180 mCi
B.	Am-241 (AmBe)	Sealed Source - Amersham Model AMN.V997 or Isotope Products Laboratories Model 3021 or 3027 (formerly Troxler Drawing No. A-102451)	44 mCi	880 mCi
C.	Cs-137	Sealed Source - CPN Model CPN-131	10 mCi	200 mCi
D.	Am-241 (Am Be)	Sealed Source - CPN Model CPN-131	50 mCi	1000 mCi
E.	Cd-109	Sealed Source - Amersham Model CUC.D1	10 mCi	200 mCi

\*  $\mu$ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram;  $\mu$ g-microgram; kg-kilogram

APPROVED BY:

Charles G. Vinson, Supervisor of Materials Licensing

IL 473-0059

DATE

September 7, 2006

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IENS.FLM-004-02 (8/91)

STATE OF ILLINOIS  
IEMA DIVISION OF NUCLEAR SAFETY  
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Patrick Engineering, Inc.	IL-01740-01	9	September 30, 2011

AUTHORIZED USE:

- A. and B. For use in Troxler Electronics Model 3400 Series gauges for measuring the moisture/density of various materials.
- C. and D. For use in CPN International, Inc. Model MC Series gauges for measuring the moisture/density of various materials.
- E. For use in NITON XL Series X-ray fluorescence analyzers for measuring concentrations of lead and other metals.

CONDITIONS:

1. Radioactive material shall be stored at the licensee's facilities located at 4985 Varsity Drive, Lisle, Illinois, and 300 W. Edwards Street, Suite 200, Springfield, Illinois, and used at temporary jobsites of the licensee in areas not under exclusive Federal jurisdiction throughout the State of Illinois in accordance with statements, representations and procedures listed in other conditions of this license.
2. Radioactive material shall be used by, or under the supervision and in the physical presence of, Daniel P. Dietzler, Robert Gay or individuals who have been trained in accordance with application dated August 30, 1996. The licensee shall maintain training records of all designated users.
3. The Radiation Safety Officer for this license is Daniel P. Dietzler.
4. The Radiation Safety Officer may delegate certain duties to specified individuals provided that:
  - A. The licensee maintain, for a period of 5 years, records of all individuals designated by the Radiation Safety Officer to perform duties or meet regulatory requirements that would otherwise be required as a duty of the Radiation Safety Officer. These records shall include:
    1. The name of the individual;
    2. A list of all duties the Radiation Safety Officer's designee is authorized to perform;
    3. The date upon which the designation became effective;
    4. The signature of the Radiation Safety Officer's designee; and
    5. The signature of the Radiation Safety Officer.

\*  $\mu$ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram;  $\mu$ g-microgram; kg-kilogram

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STATE OF ILLINOIS  
IEMA DIVISION OF NUCLEAR SAFETY  
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Patrick Engineering, Inc.	IL-01740-01	9	September 30, 2011

(Condition 4. continued)

- B. The Radiation Safety Officer shall review records generated by designees and the performance of designees quarterly. In addition, the licensee shall maintain for Agency inspection for a period of 5 years, records of the quarterly reviews of records generated by designees and quarterly reviews of designee's performance. These records shall include:
1. The date of the review;
  2. The records being reviewed and the name of the designee being reviewed;
  3. A list of all duties performed by the designee;
  4. The results of the Radiation Safety Officer's review and any corrective measures taken, if applicable, based on the review; and
  5. The signature of the Radiation Safety Officer.
5. Except as otherwise specified in the license, the licensee shall have available and follow the instructions contained in the manufacturer's instruction manual for each device authorized by this license.
6. A. Each sealed source possessed under this license shall be tested for leakage and/or contamination as specified in 32 Ill. Adm. Code 340.410. Tests for leakage and/or contamination shall be performed by persons specifically licensed to provide such services.
- B. This license does not authorize analysis of leak test samples. However, the licensee is authorized to collect leak test samples for analysis by persons specifically authorized by the Agency, an Agreement State, a Licensing State, or the U.S. Nuclear Regulatory Commission to perform such services.
- C. The records of tests for leakage and/or contamination shall contain the manufacturer, model and serial number, if assigned, of each source tested, the identity of each source radionuclide, the results for each test sample expressed in Bq or  $\mu\text{Ci}$ , the date the sample was collected, the date the sample was analyzed, the identity of the individual who collected the sample(s) and the identity of the individual who analyzed the sample(s).
7. Maintenance, repair and initial radiation monitoring of devices containing radioactive material shall be performed only by persons specifically authorized by the Agency, an Agreement State, or the Nuclear Regulatory Commission to perform such services.

\*  $\mu\text{Ci}$ -microcurie;  $\text{mCi}$ -millicurie;  $\text{Ci}$ -Curie;  $\text{MBq}$ -Megabecquerel;  $\text{GBq}$ -Gigabecquerel;  $\text{TBq}$ -Terabecquerel;  $\text{g}$ -gram;  $\mu\text{g}$ -microgram;  $\text{kg}$ -kilogram

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IL 475-0059

DNB.FLM-004-02.(8/91)

STATE OF ILLINOIS  
IEMA DIVISION OF NUCLEAR SAFETY  
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Patrick Engineering, Inc.	IL-01740-01	9	September 30, 2011

8.
  - A. The source holder shall be locked in the "off" or closed position when the device is not in use.
  - B. Sealed sources shall not be opened or removed from their source holders by the licensee.
9. When performing tests at temporary job sites, the authorized user shall not leave the device unattended. Upon completion of tests, the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss, or theft.
10. At any time the licensee is engaged in making measurements by authority of this license at a temporary job site, the licensee shall have a current copy of each of the following documents available at the temporary job site for inspection by the Agency:
  - A. The license, including all active amendments;
  - B. The manufacturer's instruction manual for the sealed sources and devices at the temporary job site;
  - C. The licensee's emergency procedures; and
  - D. The results of the latest test for leakage and/or contamination performed on the sealed source.
11. The licensee shall conduct a physical inventory at intervals not to exceed six months to account for all radioactive material sources received and possessed under the license and shall maintain a record of such inventories. The inventory records shall include the radionuclide, activity, manufacturer, model number, serial number, activity assay date, the location of the sealed source, date of the inventory and the identity of the individual(s) performing the inventory. Records of inventories shall be maintained for five years from the date of each inventory.

\*  $\mu$ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram;  $\mu$ g-microgram; kg-kilogram

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STATE OF ILLINOIS  
 IEMA DIVISION OF NUCLEAR SAFETY  
 RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Patrick Engineering, Inc.	IL-01740-01	9	September 30, 2011

12. Except as specifically provided otherwise by the license, the licensee shall possess and use radioactive material described in all schedules of this license in accordance with statements, representations and procedures contained in, referenced in, or enclosed with the documents listed below. The regulations contained in 32 Ill. Adm. Code: Chapter II, Subchapters b and d shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Applications dated August 30, 1996, August 21, 2001 and August 29, 2006.
- B. Letters dated March 26, 1998, August 3, 1998 and September 26, 2001.
- C. Letters, with attachments, dated May 12, 2000 and June 21, 2005.
- D. Telefacsimile dated June 20, 2000.

CGV:TLH3je

\*  $\mu$ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram;  $\mu$ g-microgram; kg-kilogram

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September 7, 2006

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## Edgell, Dawn

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**From:** Jessogne, Justin  
**Sent:** Tuesday, August 03, 2010 10:25 AM  
**To:** Kingsfield, James; Edgell, Dawn; Pleiter, Jeff  
**Subject:** Reciprocity  
**Attachments:** appxA.pdf

Link explaining entire process for reciprocity  
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v19/>

Link to the Fee Schedule below It is item #16  
<http://www.nrc.gov/reading-rm/doc-collections/cfr/part170/part170-0031.html>

Address:

U.S. NRC Region III  
2443 Warrenville Road  
Suite 210  
Lisle, Illinois 60532-4352

**Phone: 630-829-9500**

**Toll Free: 1-800-522-3025**

**7 am to 4:30 pm (CT),**

**Monday through Friday Fax: 630-515-1078 TDD: 301-415-5575 E-mail: See our Contact a Public Affairs Officer page and select Chicago, IL (Reg III).**

### 6 Reciprocity Fees

Submission of an NRC Form 241 (initial and revision) must be accompanied by the appropriate fee. Agreement State licensees should refer to Category 16 of 10 CFR 170.31 to determine the amount of the fee. No fee is currently required for clarifications.

Fee payments are to be made payable to the U.S. Nuclear Regulatory Commission. The payments are to be made in U.S. funds by check, draft, money order, or credit card. NRC Form 629, "Authorization for Payment by Credit Card," is found in Appendix C. Specific instructions for making credit card payments may be obtained by contacting the License Fee and Accounts Receivable Branch at (301) 415-7554.

NRC will not process initial or revised NRC Form 241s prior to fee receipt, if applicable. However, if the facsimile method is used to file for reciprocity, NRC Form 241 will be processed as long as the facsimile submittal includes a copy of the check or credit card application that will be mailed to meet the applicable fee requirement. Once technical review has begun, no fees will be refunded; fees will be charged regardless of NRC's disposition of an NRC Form 241 or the withdrawal of an NRC Form 241. The exception is a case in which it is determined that the proposed work location is *not* in NRC jurisdiction and therefore filing of NRC Form 241 is not warranted. Agreement State licensees should consult 10 CFR 170.11 for additional information on exemptions from licensing fees.

## 5.1 Paper Application

Agreement State licensees requesting reciprocity should do the following:

- Complete NRC Form 241 (Appendix A) Items 1 through 19.
- Complete NRC Form 241 Items 8 through 15 on supplementary pages, if required.
- For each separate sheet that is submitted with NRC Form 241, identify and key it to the item number on the form or the topic to which it refers.
- Submit all supplementary pages on 8-1/2 x 11 inch paper.
- Avoid submitting proprietary information unless it is absolutely necessary. See Chapter 8, "Proprietary Information," and Appendix C for additional information regarding the submission of proprietary or other sensitive information.
- At least 3 days before beginning activities, file an original NRC Form 241, four copies of the licensee's current Agreement State license, and the appropriate fee, with the appropriate NRC Regional Office.
- Retain one copy of NRC Form 241 for future reference.

Filing of NRC Form 241 by facsimile is acceptable provided: (1) the facsimile contains, in addition to the completed NRC Form 241, a copy of the current Agreement State license and a copy of the check or credit card application that will be mailed to meet fee requirements, if appropriate; (2) the Agreement State licensee confirms that NRC has received the facsimile (confirmation of receipt of the facsimile by NRC may be made by telephoning the NRC office to which the facsimile was sent); and (3) NRC receives, within 3 days, NRC Form 241, four copies of the Agreement State license, and the appropriate fee, if applicable.

All NRC Forms 241 will be available for review by the general public. If it is necessary to submit proprietary information, follow the procedure in 10 CFR 2.790. Failure to follow this procedure could result in disclosure of the proprietary information to the public or substantial delays in processing the form. Employee personal information - i.e., home address, home telephone number, social security number, date of birth, radiation dose information - should not be submitted unless NRC specifically requests it. Additional information is provided in Chapter 8, "Proprietary Information."

As explained in the "Foreword," NRC's new licensing process will be faster and more efficient, in part, through acceptance and processing of electronic forms at some future date. NRC will continue to accept paper forms. However, these will be scanned and put through an optical character reader (OCR) to convert them to electronic format. To ensure a smooth transition, licensees are requested to follow these suggestions:

- Submit printed or typewritten, not handwritten, text on smooth, crisp paper that will feed easily into the scanner.

- Choose typeface designs that are sans serif, such as Arial, Helvetica, Futura, Univers; the text of this document, for example, is in a serif font called Times New Roman.
- Choose 12-point or larger font size.
- Avoid stylized characters such as script, italic, etc.
- Be sure the print is clear and sharp.
- Be sure there is high contrast between the ink and paper (black ink on white paper is best).

*Thank you,*

*Justin Jessogne*

*Field Technician*

*PATRICK Engineering Inc.*

*4970 Varsity Drive Lisle, IL 60532-4101*

*Cell 630/918-6353*