

# Blades Construction Products Corp.

7610 COUNTY ROUTE 65  
P.O. BOX 590  
HORSELL, NY 14843-0590  
(607) 324-3636  
FAX (607) 324-0998

RECEIVED

'01 MAY 11 -9 :47

May 10, 2001

UPS Next Day Air

Licensing Assistance Section  
Nuclear Materials Safety Branch  
NRC Region #1  
475 Allendale Road  
King of Prussia, PA 19406-1415

Attn: Sheryl Villar

Dear Ms. Villar,

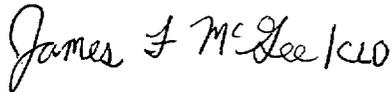
Enclosed for your review and approval are the following:

- 1) Form NRC 241
- 2) Site specific information regarding where our gauges will be used in Pennsylvania.
- 3) Our notice of timely renewal from the NYS Department of Labor.
- 4) Our application fee for reciprocity in the amount of \$1,200.00

As soon as I receive our "renewed" license from New York I will forward a copy to you.

Should you have any questions regarding this submittal, please call me at your earliest convenience.

Respectfully,



James F. McGee  
General Manager

JFM/cld

Enc.

CC: C. L. Blades, VP (Cover only)  
F. Rassman, RSO (Cover only)  
File

APPROVED BY \_\_\_\_\_; NO. 3150-0013 EXPIRES: 07/31/2002  
 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 Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@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)

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) Blades Construction Products Corp.	2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION
3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) 7610 County Route 65 P.O. Box 590 Hornell, NY 14843	4. LICENSEE CONTACT AND TITLE J. F. McGee, General Manager
	5. TELEPHONE NUMBER (Include Area Code)      6. FACSIMILE NUMBER (Include Area Code) (607) 324-3636      (607) 324-0998

**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) \_\_\_\_\_

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE Commonwealth of Pennsylvania Department of Transportation Keystone Building 400 North Street Harrisburg, PA 17120	9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) See Attached
	10. CLIENT TELEPHONE NUMBER (Include Area Code)      11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) See Attached      See Attached

12. DATES SCHEDULED	13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM				NUMBER TO BE ASSIGNED BY NRC
See Attached				<i>multi.</i>

**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.)

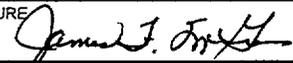
Troxler 3440 Nuclear Density Gauge  
 Humbolt HS-5001/2524  
 Humbolt HS-5001/2923

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. (Four copies of the specific license must accompany the initial NRC Form 241.)	LICENSE NUMBER 2688-3947	STATE NY	EXPIRATION DATE 6/30/2001
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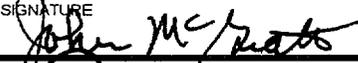
**19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)**

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 reprinted 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) James F. McGee, General Manager	SIGNATURE 	DATE 5/9/2001
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**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.**

FOR NRC USE ONLY	REVIEWING OFFICIAL (Typed/Printed Name and Title) 	SIGNATURE	DATE 5/14/01	TOTAL USAGE - DAYS TO DATE 80
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(S) 5/14/01

# Site Specific Information

- #8 PENNDOT  
715 Jordan Avenue  
Montoursville, PA 17754  
(570) 368-4323
- 000877  
A) Tioga County  
Knoxville, PA  
SR 4041 (001)  
Jay McGee, IIC (814) 326-4053  
September 17 - 21, 2001  
5 Work Days
- 000878  
B) Tioga County  
Jackson Township  
SR 328 (019)  
Larry Newton, IIC (570) 537-3203  
June 4 - 8, 2001  
5 Work Days  
July 25 - 27, 2001  
3 Work Days
- 000879  
C) Tioga County  
Richmond Township  
SR 15 (74 S)  
Jay McGee, IIC (570) 662-2177  
May 21 - 31, 2001  
June 1 - June 22, 2001  
24 Work Days
- #8 PENNDOT  
1924 - 30 Daisy Street  
Clearfield, PA 16830
- 000880  
A) Potter County  
Genesee Township  
SR 449 (608)  
Kent Renaud (814) 765-0606  
August 13 - 31  
September 4 - 28  
34 Work Days



STATE OF NEW YORK DEPARTMENT OF LABOR

DIVISION OF SAFETY AND HEALTH  
RADIOLOGICAL HEALTH UNIT

State Office Campus  
Building 12 - Rm. 169  
Albany, NY 12240  
(518) 457-1202

DATE:

4/11/01

BLADES CONSTRUCTION PRODUCTS  
CORPORATION  
7610 COUNTY ROUTE 65  
P O BOX 590  
  
HORNELL NY 14843

LICENSE NUMBER:

2688-3947

File 445004  
"Nuclear"

ACKNOWLEDGEMENT OF A TIMELY LICENSE RENEWAL

To Radioactive Materials License Holder

We have received your request for renewal of the above referenced Radioactive Materials License and the required fee.

Since the request is deemed timely, your license will continue in effect until the renewal process is completed by the Department.

This acknowledgement does not preclude the Department from asking that further information or documentation be submitted in support of the license renewal.

Clayton J. Bratt / @



STATE OF NEW YORK  
**DEPARTMENT OF LABOR**  
 DIVISION OF SAFETY AND HEALTH

Radiological Health Unit  
 Building #12, Room 134 A  
 State Office Building Campus

Albany, NY 12240

*Exp 3/1/01*

June 24, 1998

Mr. Fred Rassman  
 Radiation Safety Officer  
 Blades Construction Products Corporation  
 7610 County Route 65  
 P.O. Box 590  
 Hornell, New York 14843

License: 2688-3947  
 Reference: 1  
 Amendment: 2  
 DL 98-083

Dear Mr. Rassman:

Enclosed is a renewal of New York State Department of Labor Radioactive Materials License number 2688-3947, authorizing the possession of radioactive materials in the types and amounts specified for the uses indicated. All activities conducted under this license shall be governed by the provisions of Industrial Code Rule 38 (12 NYCRR 38) and by the specific conditions of the license. You should read these documents carefully to familiarize yourself with all applicable requirements including any statements, representations and procedures contained in documents specified in License Condition 22, to which you have committed as part of the licensing review process. These requirements should also be included in the initial and annual refresher training provided to all employees who use licensed material.

Please note especially License Conditions 18 and 21. Condition 18 requires you and your workers to report accidents and incidents involving gauges to this office immediately by telephone. Condition 21 requires a daily check of the shielded sliding block on gauges, and a 24 hour report to this office if a sliding block is found to be fully or partially open. This daily check must also be recorded in the utilization log required by Condition 16 of the license. A form for this purpose is enclosed.

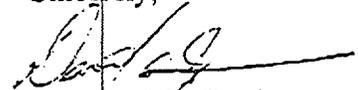
A current list of our phone numbers is enclosed and must be provided to all staff who use gauges.

Also enclosed are two Notices to Licensees, dated February 14, 1994, and December 10, 1997, regarding the storage and security of portable gauges, and the prevention of accidents through adequate training and maintenance. The information contained in them is intended to assist licensees in the safe use of portable radiation devices.

Please note that although this license does not limit the number of devices you may possess, it was issued contingent upon your commitment to provide adequate storage facilities. At no time should the number of such devices exceed your storage capacity, and if storage capacity is added in the future to accommodate additional devices, it must provide at least the same level of safety and security.

Your program will be evaluated periodically by inspectors from the Radiological Health Unit. A copy of this license (including amendments) must be maintained at the address indicated in License Condition 2, along with other required records, for their review. If you have any questions please do not hesitate to contact this office.

Sincerely,



Desmond C. Gordon  
Assoc. Radiophysicist

enc: License  
2/14/94 and 12/10/97 Notices



STATE OF NEW YORK - DEPARTMENT OF LABOR  
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE

DL 98-083

Page 1 of 4 Page(s)

PURSUANT TO THE LABOR LAW AND INDUSTRIAL CODE RULE 38, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE DESIGNATED BELOW. A LICENSE IS HEREBY ISSUED AUTHORIZING SUCH LICENSEE TO RECEIVE, POSSESS, USE AND TRANSFER RADIOACTIVE MATERIAL(S) DESIGNATED BELOW; 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 NOW OR HEREAFTER IN EFFECT OF ALL APPROPRIATE REGULATORY AGENCIES AND TO ANY CONDITIONS SPECIFIED BELOW.

1. NAME OF LICENSEE		3. LICENSE NUMBER	
Blades Construction Products Corp.		2688-3947	
FEIN:16-0798762		4. EXPIRATION DATE	
PHONE:(607)324-3636		June 30, 2001	
2. ADDRESS OF LICENSEE		5a. REFERENCE No.	
7610 County Route 65		1	
Hornell, New York 14843		b. AMENDMENT No.	
		2	

6. RADIOACTIVE MATERIALS (element-in mass number)	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY LICENSEE MAY POSSESS AT ANY ONE TIME
A. Cesium 137	A. Sealed Sources	A. See Condition 9.
B. Americium 241: Beryllium	B. Sealed Sources	B. See Condition 9.

9. Authorized use:  
Conditions 6.A. and 6.B.
- The licensee is authorized to use any sealed source, or associated portable moisture/density gauge which has been manufactured and distributed in accordance with a specific license issued by an Agreement State or the United States Nuclear Regulatory Commission. Combinations of sources and devices must be compatible for use as stated in a Sealed Source and Device Registration Certificate (i.e. stated in the registration certificate for the source or device).
  - No single source may exceed the maximum activity specified for that nuclide in the Sealed Source and Device Registration Certificate for any device in which the source is to be used.
10. A. Licensed material shall be stored at 7610 County Route 65, Hornell, New York, and may be used at temporary job sites of the licensee anywhere within the State of New York, where the Department of Labor exercises jurisdiction.



**RADIOACTIVE MATERIALS LICENSE**

3. License Number 2688-3947

5a. Ref. No. 1

b. Amend. No. -2-

- B. Overnight storage at other locations shall be in accordance with statements referenced in Condition 22 herein, providing that such storage may not be in a residence, or in an attached garage except within a vehicle. Any vehicle used for storage shall be driven only for purposes associated with use or transport of the contained radioactive material, by a person qualified to use the material, and no passengers shall be carried unless they are also involved in work under this license. Vehicular storage shall only be allowed if no other storage is possible and shall not exceed five (5) consecutive nights unless authorization to exceed this limit is obtained from the Department.
  - C. Under no circumstances shall radioactive material authorized by this license be transferred to the custody of any person or firm other than the licensee, or be used or stored by another person or firm or its employees; unless that person or firm possesses a valid license to possess and use such radioactive material.
11. Licensed material shall be used by, or under the supervision of Fred Rassman (Radiation Safety Officer), by licensee personnel trained and certified by the device manufacturer. The licensee shall maintain a complete and accurate record of the qualifications of each person permitted to use radiation sources under this license.
  12. Sealed Sources containing radioactive materials shall not be opened or removed from the licensed gauge by the licensee.
  13.
    - A. The licensee is not authorized to dismantle, repair or effect any changes in the source holders/gauges. Any maintenance involving exposure of the source or removal of shielding is prohibited. All other maintenance shall be performed in accordance with the manufacturer's recommendations.
    - B. The licensee shall not alter labels attached to gauges, and shall maintain labels in legible condition at all times.
  14. The licensee shall instruct persons who engage in work under the license, in accordance with section 38.27(c) of Code Rule 38. Such instruction shall include the licensee's operating and emergency procedures, and other information contained in documents incorporated in Condition 22.
  15. The licensee shall conduct a physical inventory every six (6) months to account for all Gauges received and possessed under the License. The records of the inventories shall be maintained for three (3) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of licensed material, Manufacturer's Name and Model No., location of the gauges, the date of the inventory and the name of the person who performed it.



STATE OF NEW YORK - DEPARTMENT OF LABOR  
DIVISION OF SAFETY AND HEALTH

**RADIOACTIVE MATERIALS LICENSE**

Page 3 of 4 Pages

3. License Number 2688-3947

5a. Ref. No. 1

b. Amend. No. -2-

16. A. The licensee shall maintain a utilization log containing the identification of sources used, dates removed and returned to storage, the location of use, the identity of user, and the daily check of sliding blocks required by Condition 21.
- B. The log shall be kept at the location of storage and shall contain sufficient detail to enable the licensee to inform the Department at any time, of the exact location of each source.
17. Current copies of the following documents shall be maintained at temporary job sites for Department inspection:
- A. The manufacturer's instruction manual and the licensee's operating and emergency procedures.
- B. A copy of the results of the latest test for leakage and/or contamination performed on the sealed sources.
18. A. In the event of a serious incident involving licensed material, including but not limited to, the theft or loss of a gauge, or damage to a gauge, the Department shall be notified immediately by telephone. Subsequent information about the incident acquired by the licensee shall be reported as it is received. All gauge users must carry the NYSDOL's current telephone number in their emergency procedures.
- B. In the event that a gauge is damaged, the gauge and surrounding area shall be surveyed with an appropriate survey meter, and the results of the survey shall be reported to and approved by the Department before the gauge is removed from the site.
19. The licensee shall ensure that all persons authorized to use portable gauges comply with safe use and maintenance procedures and that they do not leave a gauge unattended or unsecured at any time, even for a few minutes.
20. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in Section 38.7 of 12 NYCRR 38 for establishing decommissioning financial assurance.
21. Each gauge shall be inspected on a daily basis before use to ensure proper operation of all safety features as follows:
- A. Turn the gauge over and visually verify that the tungsten sliding block is completely closed, keeping as much distance as possible between you and the base of the gauge. If any portion of the opening is uncovered, the sliding block must be cleaned and returned to the fully closed position before transporting, using, or storing the gauge. The manufacturer's instructions for cleaning the sliding block must be followed.



STATE OF NEW YORK - DEPARTMENT OF LABOR  
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE

Page 4 of 4 Pages

3. License Number 2688-3947

5a. Ref. No. 1

b. Amend. No. -2-

(Condition 21 continued.)

- B. If a radiation survey meter is available, and in good working order, radiation levels at the gauge surface shall also be checked. The exposure rate should be approximately 10-20 mrem per hour.
  - C. If a sliding block is found to be partially or fully open, the Department of Labor must be notified by telephone within 24 hours.
22. Except as specifically provided otherwise in this License, the licensee shall conduct its program in accordance with the statements, representation and procedures contained in the documents, including any enclosures, listed below. The Department's Regulations shall govern, unless the statements, representation and procedures in the licensee's application and correspondence are more restrictive than the Regulations.
- A. Application dated May 22, 1995, signed by James McGee, General Manager, with attachments.
  - B. Letter dated June 1, 1995, signed by James McGee, General Manager, with attachments.
  - C. License Renewal Request dated April 16, 1998, signed by James McGee, General Manager, with attachment

James J. McGowan  
COMMISSIONER OF LABOR

by: Clayton J. Bradt  
Associate Radiophysicist

DATE: 6/24/98  
DCG:wp



*Free*  
*[Signature]*

STATE OF NEW YORK  
DEPARTMENT OF LABOR  
DIVISION OF SAFETY AND HEALTH  
Radiological Health Unit  
Building #12, Room 134-A  
State Office Building Campus  
Albany, NY 12240

July 30, 1998

**NOTICE TO NYSDOL PORTABLE GAUGE LICENSEES REGARDING RADIATION SAFETY**

Background

During recent inspections we have been seeing high readings on area monitor badges kept in unrestricted areas near gauge storage rooms, and on personnel monitoring badges for gauge users. We have also recently reviewed an NRC inspection letter for a facility in another state, which cited a reading of 4.5mR/hr in a reception area adjacent to a room in which only two gauges were stored.

We are concerned about these unusually high exposures and also about the failure of licensees to take effective actions to determine the causes and to remediate them.

One contributing cause might be the use and/or storage of a gauge on which the shielded sliding block is not completely closed. On several occasions our inspectors have identified stored gauges with shields stuck in the "open" position, after measuring unusually high radiation readings during an inspection. Also, the manufacturer of many of these gauges is now recommending that users perform daily checks of gauges having extendable sources with sliding block shields, to be sure that the blocks are completely closed.

As a result we have added a requirement for such daily checks to our standard license format for portable gauge users, and have modified our model utilization log form to include an entry to document that the checks are done.

However, rather than wait to add this condition to each of your licenses at the time of next amendment or renewal, we are using this notice to inform you now that you are responsible for ensuring the proper operation of sliding blocks, since they are protective devices that are required to be maintained in good repair and proper operating condition (12 NYCRR 38.22(g)).

Actions to be Taken by Licensees

Enclosed is a generic amendment to your company's license which requires a daily check of sliding blocks, and specifies how the checks are to be performed. Also enclosed is a copy of the revised utilization log form which should be used to document the results of the checks.

If you do not possess or use gauges with sliding block shields, these requirements obviously do not apply to your program.

Licensees who do use such gauges must implement the procedures described in this notice upon its receipt, in order to demonstrate compliance with 12 NYCRR 38.22(g).

Sincerely,

*Rita Aldrich*

Rita Aldrich  
Principal Radiophysicist

RA:jmp  
enclosure

Telephone: 518-457-1202

FAX: 518-485-7406

NEW YORK STATE DEPARTMENT OF LABOR  
GENERIC AMENDMENT TO PORTABLE GAUGE LICENSES

Each gauge shall be inspected on each day of use before use, and upon its return to storage, to ensure proper operation of all safety features including the following:

- A. Turn the gauge over and visually verify that the tungsten sliding block is completely closed, keeping as much distance as possible between you and the base of the gauge. If any portion of the opening is uncovered, the sliding block must be cleaned and returned to the fully closed position before transporting, using, or storing the gauge. The manufacturer's instructions for cleaning the sliding block must be followed.
- B. If a radiation survey meter is available, and in good working order, radiation levels at the gauge surface shall also be checked. The exposure rate should be approximately 10-20 mrem per hour.
- C. If a sliding block is found to be partially or fully open, the Department of Labor must be notified by telephone within 24 hours.

James J. McGowan  
COMMISSIONER OF LABOR



DATE: July 30, 1998  
RA:jmp

by: Rita Aldrich  
Principal Radiophysicist