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ATTN
Northern

IMPROVEMENT COMPANY

Thomas McCormick, President/CEO
Steve McCormick, Executive Vice-President

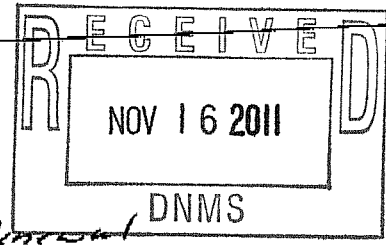
DATE: 11-16-11

TO: Nuclear Regulatory Commission - Region 4 Arlington TX

ATTN
BUSINESS NAME: Colleen Murnahan

FAX NO.: 1-817-860-8188 PHONE NO.: 1-800-952-9677

FROM: Bruce Squires / Jeff Reinbold



6 Pages will follow.

We will be sending original by mail.

Comments: NRC materials license Renewal

Colleen, Thank for your assistance, hope you have a good Holiday Season.

any questions please call or Email:

jrreinbold@nicnd.com

701-277-1225

bsquires@nicnd.com

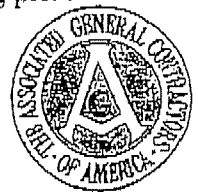
701-277-1325

If you did not receive all of the pages, received this fax in error or if you have a question, please call the Fargo Office.

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576375



NRC FORM 313 (5-2009) 10 CFR 30.32, 33, 34, 35, 36, 39, and 40		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0120		EXPIRES: 3/31/2012	
APPLICATION FOR MATERIALS 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:				IF YOU ARE LOCATED IN:			
OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001				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 60532-4392			
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:				IF YOU ARE LOCATED IN:			
ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, 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				ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, 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 812 E. LAMAR BOULEVARD, SUITE 400 ARLINGTON, TX 78011-4123			
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.							
1. THIS IS AN APPLICATION FOR (Check appropriate item) <input type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER 33-27403-01				2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) <i>Northern Improvement Company</i> <i>4000 12th Ave NW</i> <i>Fargo, ND 58103-2846</i>			
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED <i>Dickinson N.D 4458 3rd Ave W.</i> <i>Bismarck ND 1839 Capital Ave</i> <i>Prescott Valley AZ 2425 N Glissaded</i>				4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION <i>Bruce Squires</i> TELEPHONE NUMBER <i>701-277-1225</i>			
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.							
6. RADIOACTIVE MATERIAL a. Element and isotope number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.				8. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.			
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.				8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.			
9. FACILITIES AND EQUIPMENT.				10. RADIATION SAFETY PROGRAM.			
11. WASTE MANAGEMENT.				12. LICENSE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY: _____ AMOUNT ENCLOSED: <i>5 N/A</i>			
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 82 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							
CERTIFYING OFFICER: TYPED/PRINTED NAME AND TITLE <i>Moshagan - Technical Services Branch</i>						SIGNATURE <i>[Signature]</i>	
						DATE <i>11/16/11</i>	
FOR NRC USE ONLY							
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS		
			\$ _____				
APPROVED BY				DATE			



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IMPROVEMENT COMPANY

Thomas M^cCormick, President/CEO
Steve M^cCormick, Executive Vice-President

6. Radioactive Materials (element and mass number)	7. Chemical and/or physical form	8A. Maximum activity per source	8B. Maximum quantity which licensee may possess at any one time
A. Cesium-137	A. Sealed sources (AEA Technology [formerly Amersham] Model CDCW556 or Isotope Product Labs Model HEG-137-8M)	A. 333 megabecquerels (9 millicuries)	A. One source, total activity not to exceed 333 megabecquerels (9 millicuries)
B. Cesium-137	B. Sealed source (Humboldt Scientific Dwg. No. 2200064)	B. 407 megabecquerels (11 millicuries)	B. One source, total activity not to exceed 407 megabecquerels (11 millicuries)
C. Americium-241: Be	C. Sealed source (Humboldt Scientific Dwg. No. 2200067)	C. 1.63 gigabecquerels (44 millicuries)	C. One source, total activity not to exceed 1.63 gigabecquerels (44 millicuries)
D. Cesium-137	D. Sealed source (AEA Technology Model CDCW556 or Isotope Product Labs Model HEG-137)	D. 333 megabecquerels (9 millicuries)	D. Two sources, total activity not to exceed 666 megabecquerels (18 millicuries)
E. Americium-241: Be	E. Sealed source (AEA Technology Model AMNV.997; Isotope Product Labs Models 3021, 3027 or Am 1.NO2)	E. 1.63 gigabecquerels (44 millicuries)	E. Two sources, total activity not to exceed 3.26 gigabecquerels (88 millicuries)

9. Authorized Use:
- A. For use in Troxler 4640 Series Thin Layer Density Gauges to measure density of construction materials.
 - B&C. For use in Humboldt Scientific, Inc. Model 5001 compaction control gauges to measure moisture content and density of materials.
 - D&E. To be used in Troxler Model 3440 portable surface moisture and density gauges.





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IMPROVEMENT COMPANY

Thomas M^CCormick, President/CEO
Steve M^CCormick, Executive Vice-President

Item 7

Jack Kolberg is the designated Radiation Safety Officer and is responsible for the radiation safety program.

Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in criteria in the section entitled "Individuals Responsible for Radiation Safety Officer and Their training and experience – Radiation Safety Officer" in NUREG-1556, Vol 1 , Rev. 1 dated Nov 2001.

Item 8

Before using licensed materials authorized users will have successfully completed one of the training courses described in Criteria in the section entitled "training for individuals Working in or Frequenting restricted Areas" in NUREG-1556, Vol 1 Rev 1, dated Nov 2001.

Item 10

See attachment





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NRC LICENSE RENEWAL Thomas M^CCormick, President/CEO
Steve M^CCormick, Executive Vice-President

Item 10 - Radiation Safety Program

General

This radiation safety plan covers the procedure for the safe and proper use and possession of radioactive material as contained in portable moisture/density gauges used to measure soil and other materials. When handled in accordance with this plan, the radioactive materials present no hazard to the licensee's employees, customers, or the general public.

Duties of Radiation Safety Officer

All use and possession is under the direction and supervision of the Radiation Safety Officer (RSO). The RSO is a single point of accountability and responsibility between the Regulatory Agency and the Licensee. The RSO is responsible for all aspects of the Radiation Safety Program, including the following specific duties:

1. To ensure that all terms and conditions of the license are being complied with and that the information contained is up-to-date and accurate.
2. To ensure that the equipment is leak tested at the required intervals.
3. To ensure that the equipment is only used by operators authorized by the RSO, and that they use the equipment in accordance with all relevant regulations. This will include wearing of suitable personnel monitoring device.
4. To maintain records as required by the license and the regulations.
5. To ensure that all equipment is properly secured against unauthorized removal at all times.
6. To serve as a point of contact and give assistance in case of an emergency such as equipment damage in the field, theft, or fire and to notify the proper authorities in case of an emergency.
7. To ensure that all operators have read and understand this Radiation Safety Program.
8. To arrange appropriate training for all operators.
9. To provide annual refresher training to all gauge operators on operating and emergency procedures, transportation requirements, changes in applicable regulations or license conditions, and correction of deficiencies identified by the RSO.

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Steve M^CCormick, Executive Vice-President

Item 10 - Radiation Safety Program continued...

10. To post all required signs and notices at gauge storage locations

Post document RH-2364, Notice to Employees

Label storage cabinet with "Caution, Radioactive Material" and international symbol

Post notice of where copy of the organization's license, safety program, and copy of regulations are located

11. To perform an annual audit and to document the audit, and corrective actions taken.
12. To ensure licensed material is disposed of properly.

Radiation Detection Instruments

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.

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.

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% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged at a frequency recommended by the processor.

Operating and Emergency Procedures

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.

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Steve M^CCormick, Executive Vice-President

Item 10 - Radiation Safety Program continued...

Leak Testing

Leak tests will be performed at intervals approved by the 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.

Maintenance

Routine Cleaning and Lubrication

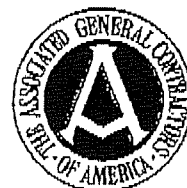
We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.

Non-Routine Maintenance

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.

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

November 18, 2011

Northern Improvement Company
ATTN: Jack Kolberg
Radiation Safety Officer
P.O. Box 1254
Bismarck, North Dakota 58502

SUBJECT: DEEMED TIMELY LETTER

We acknowledge receipt of your application dated November 16, 2011, requesting your byproduct materials license be renewed. Your application is deemed timely filed and, accordingly, the license will not expire until final action has been taken by this office.

We have completed a preliminary review of your submittal. This review was cursory in nature and should not be considered a complete technical review. A complete technical review of the submitted information will be conducted within 180 days.

Any correspondence regarding this application should reference the identifying numbers specified below. If you have questions or require clarification on any of the information stated above, we encourage you to contact us at (817) 860-8103. Thank you for your cooperation.

Sincerely,

Colleen Murnahan,
Licensing Assistant
Division of Nuclear Materials Safety
Branch-B

Docket: 030-32405
License: 33-27403-01
Control: 576375

BETWEEN:
Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM LTS

Program Code: 03121
Status Code: Pending Renewal
Fee Category: 3P
Exp. Date:
Fee Comments:
Decom Fin Assur Req: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: NORTHERN IMPROVEMENT COMPANY
Received Date: 11/16/2011
Docket Number: 3032405
Mail Control Number: 576375
License Number: 33-27403-01
Action Type: Renewal

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed: Colleen Murnahan

Date: 11-17-2011

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: _____