



XcelEnergy™

October 29, 2003

1518 Chestnut Avenue North Minneapolis, Minnesota 55403-1232

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Materials Licensing Branch U.S. Nuclear Regulatory Commission, Region III 801 Warrenville RD Lisle, IL 60532-4351

Re: Request to amend Materials License No. 22-08799-04 for Northern States

Dear Materials Licensing Branch:

Northern States Power Company hereby requests that Materials License No. 22-08799-04 be amended as indicated in Attachment 1.

In support of this request, the following additional documents are provided:

- 1) Completed and signed NRC Form 313, Application for Material License (attachment 2)
- Résumé of training and experience for the proposed new RSO, Lori Gleascn (attachment 3)
- Leak test certifications and waste disposal documentation for four Ni-63 gass chromatograph sources that were decommissioned on August 22, 2002, by NRD, LLC (attachment 4)

If there are any questions regarding this amendment request, please contact Lori Gleason at 612-630-4441.

Sincerely

Mark D. Freema

Mark Freeman Vice President, Technical Services

4 Attachments

cc/att: Lori Gleason, Chemistry Resources Environmental Services Record Center

> 313400 REC'D JUN 04 2004

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NRC FORM 374 U.S. NUCLEAR REGULATO	PAGEOF					
MATERIALS						
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Re of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 3 heretofore made by the licensee, a license is hereby issued authorizing source, and special nuclear material designated below; to use such m deliver or transfer such material to persons authorized to receive it in acco shall be deemed to contain the conditions specified in Section 183 of applicable rules, regulations, and orders of the Nuclear Regulatory Com below.	39, 40, and 70, and in reliance on statements and r ap the licensee to receive, acquire, possess, and transfe aterial for the purpose(s) and at the place(s) design al ordance with the regulations of the applicable Part(s). the Atomic Energy Act of 1954, as amended, and s	oresent ations er byproduct, ited below; to This license subject to all				
Licensee	In accordance with the application dated					
	January 27, 1998	•				
1. Northern States Power Company d/b/a Xcc) Energy	3. License number 22-08799-04 is renewed in	ה				
	its entirety to read as follows:					
2. 414 Nicollet Mall 1518 Chestart Are	4. Expiration date July 31, 2008					
Minneapolis, MN 554 01-192 7 55%S & P P	5. Docket No. 030-030-08255 Reference No.					
6. Byproduct, source, and/or 7. Chemical and/or special nuclear material	r physical form 8. Maximum amount that may possess at any prunder this license	1				
A. Nickel-63 A. Foil source (Perkin-Elme C. L4130128 do		≻exc∈ed				
AB. Foil source (Perkin-Elme	Contained in A. B. No single source to r Model No. 15 millicuries detector cell)	o exc∈ed				
	(contained in <u>B</u> B. Ho single source to kard Model No. 15 millicuries ector cell)) exceed				
9. Authorized use						
-A	as chromatograph for sample analysis.					
A, B. To be used in a Perkin-Elmer Autosystem XL ga	*					
\mathcal{B}_{1}^{\prime} , \mathcal{A} . To be used in a Hewlett-Packard Model No. 689	0 gas chromatograph for sample analysis.					
CONDITIONS						
 Licensed material shall be used only at the licensee's Minneapolis, Minnesota. 	s facilities located at 1518 Chestnut Avenue-	North,-				
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	· · ·								· · · · ·		License 22-087							<u> </u>	
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	. E	3. T	The Radi	ation S	afety C)fficer f	or this	license	e is E. I	i Gla E. Kra	labor Inz_)	· ·.			•		•	• .
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NRC	FORM 374A	U.S. NUCLEAR REGULATORY COMMISSI	ON PAGE 3 of 3 FA
			License Number 22-08799-04
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-030-08255
			Amendment No. 08
15.	performed on an Agreemen The licensee	ly by the device manufacturer or other pers t State to perform such services.	al of foils contained in detector cells shall be sons specifically authorized by the Commission months to account for all sources and/or device
	material to qu decommission	the possession limits in Item 8, the license antities below the minimum limit specified in ning financial assurance. E R R $Eecifically provided otherwise in this license,$	~ L
	statements, restrictive that		commission's regulations shall govern unless that asee's application and correspondence are more 0 3 3 3 4 4
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	JUL 27	1998	E U.S. NUCLEAR REGULATORY COM VISSIO
			- Mutan 7. Weber

06/04/04 FRI 14:49 FAX 6123306357 XCEL ENERGY ENV SVCS ATTACHMENT 2

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NRC FORM 313 U.S. NUCLEAR REGULATORY COMMISSION (10-2002)	APPROVED BY OMB: NO. 3150-0120 EXPS::ES: 10/31/21 05
10 CFR 30, 32, 33, 34, 35, 36, 39, and 40	Estimated burden per response to comply with this mandatory collection request 7 houls. Submittal of the application is necessary to determine that the applicant is clatified and til at adequate procedures exist to protect the public health and safety. Send commission and safety and
APPLICATION FOR MATERIAL LICENSE	to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-102: 2, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means us d to impose an information collection does not display a currently valid OMB control numb-r, the NRC may not conduct or sponsor, and a person is not required to respond to, the Information
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUID SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO TH	E FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLIC, .TION. IE NRC OFFICE SPECIFIED BELOW.
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:	IF YOU ARE LOCATED IN:
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001	ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR W. SCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:	801 WARRENVILLE RD. LISLE, IL 60532-4351
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:	ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, (ANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOT 4, OKLAHOM 4, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WA IHINGTON, O 3 WYOMING, SEND APPLICATIONS TO:
LICENSING ASSISTANT SECTION NUCLEAR MATERIALS SAFETY BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD	NUCLEAR MATERIALS LICENSING SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 611 RYAN FLAZA DRIVE, SUITE 400 ARLINGTON, TX 76011-8064
ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:	
SAM NUNN ATLANTA FEDERAL CENTER U. S. NUCLEAR REGULATORY COMMISSION, REGION II 81 FORSYTH STREET, S.W., SUITE 23785 ATLANTA, GEORGIA 30303-8931	
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR MATERIAL IN STATES SUBJECT TO LISINUCLEAR REGULATORY COMMISSION JURISDICT	IONS.
1. THIS IS AN APPLICATION FOR (Check appropriate item)	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)
A. NEW LICENSE	Northern States Power Company
B. AMENDMENT TO LICENSE NUMBER 22-08799-04	d/b/a Xcel Energy
C. RENEWAL OF LICENSE NUMBER	1518 Chestnut Ave.
	Minneapolis, MN 55403
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
1518 Chestnut Ave.	Lori Gleason
Minneapolis, MN 55403	TELEPHONE NUMBER
	612-630-4441
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFOR 5. RADIOACTIVE MATERIAL	MATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GL
a. Element and mass number, b. chemical and/or physical form; and c. maiximum	6. FURPOSE(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 RESTRICTE 3 AREAS.
9. FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.
11. WASTE MANAGEMENT.	12. LICENSE FEES (See 10 CFR 170 and Section 170.31) FEE AMOUNT FEE AMOUNT S
13. CERTIFICATION. (Must be completed by applicantly THE APPLICANT UNDERSTANDS 1 BINDING UPON	HAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF O	F THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS REPARED III 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS RUE AND
то	CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPR SENTATION
CERTIFYING OFFICER - TYPEDIPRINTED NAME AND TITLE Mark A. Freeman V.P. Tachnial Societies	SIGNATURE Park & Frequence DATE
	USE ONLY CY
	NUMBER COMMENTS
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APPROVED BY DATE	
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NRC FORM 313 (10-2002)

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XCEL ENERGY ENV SVCS

ATTACHM

Xcel Energy

1518 Chestnut Avenui North Minneapolis, Minnesi ta 55403-1292

October 29, 2003

Radiation Safety Training History: Name: Lori A. Gleason Employee ID: GLSL01 (612) 630-4441 <u>lori.a.gleason@xcelenergy.com</u>

Ms. Gleason graduated from the University of Wisconsin – River Falls in 1983 with a BS in Chemistry (ACS Approved). Since 1983 she has been employed by Northern States Power Company and Northern States Power Company d/b/a/ Xcel Energy, as a _aboratory Technician, Chemist, Senior Chemist and Systems Chemist.

Ms. Gleason has completed the following training courses:

"Radiation Safety Training" presented by TN Technologies, 24 hours, October 2000. "Basic Safety and Operator Certification" presented by Scitec Corporation, 3 hours, November 1994.

Qualified at Level III nuclear tester. Attended "In-place Testing of Nuclear Air Cleaning Systems" course at Duke Power Company, 40 hours, 1985.

Ms. Gleason currently serves as the Assistant Radiation Safety Officer. She attends the necessary annual radiation protection training needed to perform work at the Prairie Island and Monticello Nuclear Generating Plants. She has performed instrument wipe smears, inventoried radioactive sources and assisted with audits within the laboratory for 5 years.

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NRD, LLC 800-52 5-8076 2937 ALT BOULEVARD PO BOX 310 GRAND ISLAND, NY 14072-0310 Sales(indiac.com

716-77 3-7634 716-773-7744 FAX www.n d.inc

	Date:8/22/02
To whom it may concern:	
We are in receipt of:	Are in the second se
Device & Model:	PERKIN ELMER ELECTRON CAPTURE CELL
Serial #:	3702, 3948, 1902 & 2422
Isotope:	N163
	60 MILLICURIES TOTAL ACTIVITY
	UNKNOWN
Returned to NRD for:	
Special Modification :	· · ·
Repair, renovation	
and return :	·
Waste Disposal :	X (Service performed under NYS Licence 1391-1811)
	(Service performed under NYS Licence 1391-1811)
Returned by: Firm Name:	XCEL ENERGY
	1518 CHESTNUT AVE.
	MINNEAPOLIS MN 55403
	ATTN: LORI GLEASON
Condition of Material Receive	d:
Good :X	Other :
Complete: X	Incomplete :
	Very truly yours, Gary Gotsch Safety Officer

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2555 North IH-35 Round Rock, TX 78664 TN Technologies + Kay Ray + Sensall

(512) 3&8-9100 (800) 735-0801 Fax. (512) 3&9-9200 www.thermom iasuretech.com

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19 (Expiration: 12-31-2003).

Customer:	456500			
	X-CEL ENERGY			
· · · ·	Special Projects Lab			
· .	1518 Chestnut Ave.			
	Minneapolis, MN 55403			
•				

Product:	PERK.ELMER		· · ·	
Model:	8410 GC		Serial No.:	3948
Isotope:	Ni-63	• •	Activity:	15 mCi
Source Serial:	N/A04597	• •		· · · · ·
Location:	Radiation Storeroo	m		
Test Type:	Lab Counting			\$
Result:	Positive		☑ Negative	< 2.6E-4 uCi
Analyzed on:	June 13, 2002	•.	· · ·	

This certificate should be maintained as a permanent record of the leak test of this product.

tell

Dorian Kaiser L Health Physics Technician 🖾 009

06/04/04 FRI 14:53 FAX 6123306357

Serial No.:

Activity:

☑ Negative

2422

15 mCi

< 2.6E-4 uCi

Thermo MeasureTech

2555 North IH-35 Round Rock, TX 78664 TN Technologies + Kay Pay + Sensall

(512) 38;3-9100 (800) 73;3-0801 Fax: (512) 38;3-9200 www.thermom: asuretech.com

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19 (Expiration: 12-31-2003).

Customer: 456500 X-CEL ENERGY Special Projects Lab 1518 Chestnut Ave. Minneapolis, MN 55403

Product: PERK.ELMER

Model: GC

Isotope: Ni-63

Source Serial: N/A04317

Location: RADIATION STOREROOM

Test Type: Lab Counting

Result: 🛛 Positive

Analyzed on: June 13, 2002

This certificate should be maintained as a permanent record of the leak test of this product.

Dorian Kaiser L Health Physics Technician

A Thorma Electron huminase

rerma MeasureTech

2555 North IH-35 Round Rock, TX 78664 TN Technologies + Kay Ray + Sensall

(512) 388-9100 (800) 735-0801 Fax: (512) 388-9200 www.thermomeasuretech.com

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19 (Expiration: 12-31-2003).

Customer:	456500				
	X-CEL ENERGY				
	Special Projects Lab				
	1518 Chestnut Ave.				
	Minneapolis, MN 55403				

Product;	PERK.ELMER		
Model:	GC [′]	Serial No.:	1902
lsotope:	Ni-63	Activity:	15 mCi
Source Serial:	N/A04314		
Location:	SG300 G.C.		
Test Type:	Lab Counting		
Result:	Positive	Negative	< 2.6E-4 uCi
Analyzed or:	June 13, 2002		

This certificate should be maintained as a permanent record of the leak test of this product.

Dorian Kaiser Health Phys cs Technician

A Thermo Electron business

Thermo MeasureTech

2555 North IH-35 Round Rock, TX 786141 TN Technologies + Kay Ray + Sensall

(512) 388-9100 (800) 736-0801 Fax: (512) 388-9200 www.thermomeasuretech.com

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19 (Expiration: 12-31-2003).

Customer: 456500 X-CEL ENERGY Special Projects Lab 1518 Chestnut Ave. Minneapolis, MN 55403

Product:	PERK ELMER		
Model:	GC	Serial No.:	3702
Isotope:	Ni-63	Activity:	15 mCi
Source Serial:	N/A04313		
Location:	PE 8410		
Test Type:	Lab Counting		
Result:	Positive	🗹 Negative	< 2.6E -4 uCi
Analyzed on:	June 13, 2002		

This certificate should be maintained as a permanent record of the leak test of this product.

Dorian Kaiser L Health Physics Technician