

# TRANSMIT MESSAGE CONFIRMATION REPORT

NAME: US NRC REGION 2  
TEL : 404 562 4955  
DATE: 03/05/01 15:59

TRANSMIT: 85024938190	DURATION	PAGE	SESS	RESULT
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US NRC REGION 2

404 562 4955

05/08 '00 13:07 NO.559 01/07

FAX (404) 562-4955 / VERIFY (404) 562-4723  
USNRC Region II - Atlanta GA

<b>NRC FORM 241</b> <b>U.S. NUCLEAR REGULATORY COMMISSION</b> <b>REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS</b> <i>(Please read the instructions before completing this form)</i>		<small>PROVIDED BY THE NRC, THIS FORM IS FOR THE USE OF LICENSEES AND APPLICANTS ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE INFORMATION ON THIS FORM IS FOR THE USE OF THE NRC AND IS NOT TO BE RELEASED TO THE PUBLIC. THE NRC IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS FORM. THE NRC IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS FORM. THE NRC IS NOT RESPONSIBLE FOR THE CONTENTS OF THIS FORM.</small>	
<b>1. NAME OF LICENSEE (person or firm) proposing to conduct the activities described below</b> <b>GEM Engineering, Inc.</b>		<b>2. TYPE OF REPORT</b> <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION	
<b>3. ADDRESS OF LICENSEE (mailing address or other location where licensee may be reached)</b> 2219 Plantside Drive Louisville, KY 40299		<b>4. LICENSEE CONTACT AND TITLE</b> Michael C. Ronayne, VP Radiation Safety Officer <b>5. TELEPHONE NUMBER (include Area Code)</b> (502) 493-7100 <b>6. FACSIMILE NUMBER (include Area Code)</b> (502) 493-8190	
<b>7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 190.20</b> <input type="checkbox"/> WELL LOGGING <input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS <input type="checkbox"/> THERAPY/RADIATION SERVICE <input checked="" type="checkbox"/> PORTABLE GAUGES <input type="checkbox"/> OTHER (Specify) _____ <input type="checkbox"/> RADIOGRAPHY <input type="checkbox"/> REGISTERED AS USER OF PACKAGING (CERTIFICATE OF COMPLIANCE NUMBER) _____			
<b>8. EVENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE</b> Kohl's Department Stores N56 W17000 Ridgewood Drive Menomonee, WI 53051 ATTN: Mr. Tim Johnson		<b>9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Specify the number or other location. One to complete an address or direction or position)</b> Southwest Quadrant of I-265 and Charlestown Road intersection in Floyd County, Indiana <b>10. EVENT TELEPHONE NUMBER (include Area Code)</b> (262) 703-1588 <b>11. WORK LOCATION TELEPHONE NUMBER (include Area Code)</b> (507) 727-8918	
<b>12. DATES SCHEDULED</b> FROM 3-6-01 TO 12-31-01		<b>13. NUMBER OF WORK DAYS</b> 180	
<b>14. NUMBER OF DAYS</b> 180		<b>15. DATE</b> 3-5-2001	
<b>16. LOCATION</b> NUMBER TO BE ASSIGNED BY NRC 000528		<b>17. LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 8-16 ABOVE.</b> Moisture/density gauges containing no more than 10mCi Cs-137 and 50mCi Am-241: Be per single source	
<b>18. AGREEMENT STATEMENT (SEE INSTRUCTIONS FOR SIGNATURE REQUIREMENTS)</b> I, the undersigned, hereby certify that:		<b>19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)</b> I, the undersigned, hereby certify that:	
I have read and understand the provisions of the general license 10 CFR 190.20 regarding the use of radioactive materials 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 190.20 are limited to a total of 180 days in calendar year, with the exception of work conducted in offshore 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 services not described above, including conduct of activities on sites or locations different from those described above or without NRC authorization, may subject me to enforcement action including civil or criminal penalties.	
SIGNATURE OF APPLICANT: Michael C. Ronayne, RSO DATE: 3-5-2001		SIGNATURE OF NRC: Janice H. Kirby DATE: 3/5/01	
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 for		TOTAL USAGE - DAYS TO DATE	

NRC FORM 241  
(7-1999)

U.S. NUCLEAR REGULATORY COMMISSION

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

(Please read the instructions before completing this form)

APPROVED BY OMB: NO. 3160-0013

Estimated burden per response to comply with this mandatory collection is 15 minutes. This information is required as part of the NRC's ongoing inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. States conducting activities regarding nuclear safety to the Research Management Branch (T-400), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bsl@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEQB-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.

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) <b>GEM Engineering, Inc.</b>		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) <b>2219 Plantside Drive Louisville, KY 40299</b>		4. LICENSEE CONTACT AND TITLE <b>Michael C. Ronayne, VP Radiation Safety Officer</b>	
		5. TELEPHONE NUMBER (include Area Code) <b>(502) 493-7100</b>	6. FACSIMILE NUMBER (include Area Code) <b>(502) 493-8190</b>

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20			
<input type="checkbox"/> WELL LOGGING	<input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS	<input type="checkbox"/> THERAPY/RADIATION SERVICE	
<input checked="" type="checkbox"/> PORTABLE GAUGES	<input type="checkbox"/> OTHER (Specify) $\Rightarrow$ _____		
<input type="checkbox"/> RADIOGRAPHY $\Rightarrow$	REGISTERED AS USER OF PACKAGING (CERTIFICATE OF COMPLIANCE NUMBERS)		

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE <b>Kohl's Department Stores N56 W17000 Ridgewood Drive Menomonee, WI 53051 ATTN: Mr. Tim Johnson</b>		9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) <b>Southwest Quadrant of I-265 and Charlestown Road intersection in Floyd County, Indiana</b>	
		10. CLIENT TELEPHONE NUMBER (include Area Code) <b>(262) 703-1588</b>	11. WORK LOCATION TELEPHONE NUMBER (include Area Code) <b>(507) 727-8918</b>

12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM <b>3-6-01</b>	TO <b>12-31-01</b>	<b>180</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.) <b>Moisture/density gauges containing no more than 10mCi Cs-137 and 50mCi Am-241: Be per single source</b>
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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 <b>201-642-51</b>	STATE <b>KY</b>	EXPIRATION DATE <b>April 30, 2001</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 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) <b>Michael C. Ronayne, RSO</b>	SIGNATURE <i>Michael C. Ronayne</i>	DATE <b>3-5-2001</b>
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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	TOTAL USAGE - DAYS TO DATE
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NRC FORM 241 (7-1999)

PRINTED ON RECYCLED PAPER

USNRC Region II - Atlanta GA FAX (404) 562-4955 / VERIFY (404) 562-4723

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

PAGE 1

1. LICENSEE AND 2. ADDRESS

GEM ENGINEERING, INC.  
2219 PLANTSIDE DRIVE  
LOUISVILLE, KY 40299

ATTENTION: G.T. "JERRY" VANDEVELDE, PRESIDENT  
TELEPHONE: 502-493-7100

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PURSUANT TO KRS 211.842 ET SEQ., THE KENTUCKY CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE, A LICENSE IS HEREBY ISSUED TO RECEIVE, ACQUIRE, OWN, POSSESS AND TRANSFER RADIOACTIVE MATERIAL LISTED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS OF THE CABINET FOR HUMAN RESOURCES, NOW OR HEREINAFTER IN EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.  
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3. LICENSE NUMBER: 201-642-51  
AMENDMENT NO. 0  
4. EXPIRATION DATE: APRIL 30, 2001  
5. REVIEWER: 44  
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6. LICENSED MATERIAL	7. FORM	8. POSSESSION LIMIT
A. AMERICIUM 241	A. SEALED SOURCE (TROXLER DRAWING #A-102451)	A. NO SINGLE SOURCE TO EXCEED 44 MILLI- CURIES
B. CESIUM 137	B. SEALED SOURCE (TROXLER DRAWING #A-102112)	B. NO SINGLE SOURCE TO EXCEED 9 MILLI- CURIES
C. AMERICIUM 241	C. SEALED SOURCE (CPN MODEL 131)	C. NO SINGLE SOURCE TO EXCEED 50 MILLI- CURIES

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-642-51

AMENDMENT 0

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D. CESIUM 137

D. SEALED SOURCE  
(CPN MODEL 131)

D. NO SINGLE SOURCE TO  
EXCEED 10 MILLI-  
CURIES

9. AUTHORIZED USE

A. AND B. TO BE USED IN TROXLER MODEL 3400 SERIES MOISTURE/DENSITY  
GAUGE TO MEASURE PROPERTIES OF CONSTRUCTION MATERIALS.

C. AND D. TO BE USED IN CAMPBELL PACIFIC NUCLEAR INC. MODEL MC  
SERIES MOISTURE/DENSITY GAUGES TO MEASURE PROPERTIES OF  
CONSTRUCTION MATERIALS.

CONDITIONS:

10. THE LICENSEE SHALL COMPLY WITH THE PROVISIONS OF THE KENTUCKY  
CABINET FOR HUMAN RESOURCES ADMINISTRATIVE RADIATION  
REGULATIONS, 902 KAR 100.

11. RADIOACTIVE MATERIAL MAY BE STORED AT:  
SAME AS ITEM #2.

RADIOACTIVE MATERIAL MAY BE USED AT TEMPORARY JOB SITES, IN  
AREAS NOT UNDER EXCLUSIVE FEDERAL JURISDICTION, ANYWHERE IN THE  
COMMONWEALTH OF KENTUCKY WHERE THE CABINET MAINTAINS JURISDIC-  
TION FOR REGULATING THE USE OF RADIOACTIVE MATERIAL. (THIS  
CONDITION DOES NOT PROHIBIT USE IN OTHER STATES UNDER RECIPRO-  
CITY PRIVILEGES WHICH MAY BE GRANTED BY THE REGULATORY AGENCY  
HAVING JURISDICTION.)

12. RADIOACTIVE MATERIAL SHALL BE USED BY, OR UNDER THE DIRECT  
SUPERVISION AND IN THE PHYSICAL PRESENCE OF:

JAMES G. ALEXANDER  
JAMES W. BREWER  
MELISA DAUMEN  
CHRISTY GARRETT

JOHN NEAL  
MICHAEL C. RONAYNE  
RICHARD L. TINGLE  
G.T. VANDEVELDE

13. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED  
BY THIS LICENSE IS MICHAEL RONAYNE .

CABINET FOR HEALTH SERVICES  
COMM. HEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-642-51

AMENDMENT 0

PAGE 3

- 
14. THIS LICENSEE IS AUTHORIZED TO COLLECT LEAK TEST SAMPLES IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE LICENSEE'S APPLICATION DATED APRIL 3, 2000 FOR ANALYSIS BY PACIFIC NUCLEAR TECHNOLOGY .  
ALTERNATIVELY, LEAK TEST SAMPLES MAY BE COLLECTED AND/OR ANALYZED BY OTHER PERSONS SPECIFICALLY AUTHORIZED BY THE CABINET, U.S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE.
  15. SEALED SOURCES CONTAINING RADIOACTIVE MATERIAL SHALL NOT BE OPENED OR REMOVED FROM THEIR RESPECTIVE SOURCE HOLDERS BY THE LICENSEE.
  16. ANY CLEANING, MAINTENANCE OR REPAIR OF THE GAUGE(S) INVOLVING REMOVAL OF THE SOURCE ROD FROM THE DEVICES OR REMOVAL OR DISMANTLING OF SHIELDING MAY BE PERFORMED ONLY BY THE MANUFACTURER OR BY OTHER PERSONS SPECIFICALLY AUTHORIZED BY THE CABINET, THE U. S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE TO PERFORM SUCH SERVICES.
  17. EACH PORTABLE GAUGE SHALL HAVE A LOCK OR OUTER LOCKED CONTAINER DESIGNED TO PREVENT UNAUTHORIZED OR ACCIDENTAL REMOVAL OF THE SEALED SOURCE FROM ITS SHIELDED POSITION. THE GAUGE OR ITS CONTAINER MUST BE LOCKED WHEN IN TRANSPORT, STORAGE OR NOT UNDER THE DIRECT SURVEILLANCE OF AN AUTHORIZED USER.
  18. THE LICENSEE SHALL CONDUCT A PHYSICAL INVENTORY EVERY SIX (6) MONTHS TO ACCOUNT FOR ALL SEALED SOURCES RECEIVED AND POSSESSED UNDER THE LICENSE. THE RECORDS OF THE INVENTORIES SHALL BE MAINTAINED FOR TWO (2) YEARS FROM THE DATE OF THE INVENTORY FOR INSPECTION BY THE CABINET, AND SHALL INCLUDE THE QUANTITIES AND KINDS OF RADIOACTIVE MATERIAL, LOCATION OF SEALED SOURCES, AND THE DATE OF THE INVENTORY.
  19. THE LICENSEE MAY TRANSPORT RADIOACTIVE MATERIAL, OR DELIVER RADIOACTIVE MATERIAL TO A CARRIER FOR TRANSPORT, IN ACCORDANCE WITH THE PROVISIONS OF 902 KAR 100:070, AND OTHER DEPARTMENTS OF THE COMMONWEALTH OF KENTUCKY HAVING JURISDICTION.
  20. IN ADDITION TO THE POSSESSION LIMITS IN ITEM 8, THE LICENSEE SHALL FURTHER RESTRICT THE POSSESSION OF RADIOACTIVE MATERIAL TO QUANTITIES BELOW THE MINIMUM LIMIT SPECIFIED IN 902 KAR 100:040, SECTION 15, FOR ESTABLISHING DECOMMISSIONING FINANCIAL ASSURANCE.

CABINET FOR HEALTH SERVICES  
COMM. HEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

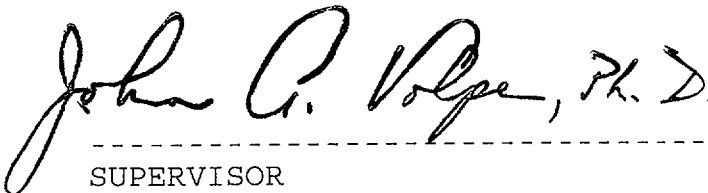
LICENSE NUMBER: 201-642-51

AMENDMENT 0

PAGE

4

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21. EXCEPT AS SPECIFICALLY PROVIDED OTHERWISE IN THIS LICENSE, THE LICENSEE SHALL CONDUCT ITS PROGRAM IN ACCORDANCE WITH THE STATEMENTS, REPRESENTATIONS, AND PROCEDURES CONTAINED IN THE DOCUMENTS, INCLUDING ANY ENCLOSURES, LISTED BELOW. THE CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, SHALL GOVERN UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.
- A. APPLICATION DATED APRIL 3, 2000, SIGNED BY G.T. VANDEVELDE, P.E., PRESIDENT.
- B. LETTERS DATED:
1. APRIL 17, 2000, SIGNED BY MICHAEL C. RONAYNE, P.E., VICE-PRESIDENT.
  2. APRIL 19, 2000, FAX FROM MICHAEL C. RONAYNE, P.E., VICE-PRESIDENT.
  3. APRIL 26, 2000, SIGNED BY MICHAEL C. RONAYNE, P.E., VICE-PRESIDENT.



-----  
SUPERVISOR  
RADIATION HEALTH & TOXIC  
AGENTS BRANCH

JIMMY D. HELTON

-----  
SECRETARY  
CABINET FOR HEALTH SERVICES

DATE ISSUED MAY 2, 2000

CABINET FOR HEALTH SERVICES  
COMM. HEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

PAGE 1

1. LICENSEE AND 2. ADDRESS

GEM ENGINEERING, INC.  
2219 PLANTSIDE DRIVE  
LOUISVILLE, KY 40299

ATTENTION: G.T. "JERRY" VANDEVELDE, PRESIDENT  
TELEPHONE: 502-493-7100

-----  
PURSUANT TO KRS 211.842 ET SEQ., THE KENTUCKY CABINET FOR HUMAN  
RESOURCES REGULATIONS, 902 KAR 100, AND IN RELIANCE ON STATEMENTS  
AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE, A LICENSE IS  
HEREBY ISSUED TO RECEIVE, ACQUIRE, OWN, POSSESS AND TRANSFER  
RADIOACTIVE MATERIAL LISTED BELOW; AND TO USE SUCH RADIOACTIVE  
MATERIAL FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW.  
THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND  
ORDERS OF THE CABINET FOR HUMAN RESOURCES, NOW OR HEREINAFTER IN  
EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.  
-----

3. LICENSE NUMBER: 201-642-51  
AMENDMENT NO. 0  
4. EXPIRATION DATE: APRIL 30, 2001  
5. REVIEWER: 44  
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6. LICENSED MATERIAL	7. FORM	8. POSSESSION LIMIT
A. AMERICIUM 241	A. SEALED SOURCE (TROXLER DRAWING #A-102451)	A. NO SINGLE SOURCE TO EXCEED 44 MILLI- CURIES
B. CESIUM 137	B. SEALED SOURCE (TROXLER DRAWING #A-102112)	B. NO SINGLE SOURCE TO EXCEED 9 MILLI- CURIES
C. AMERICIUM 241	C. SEALED SOURCE (CPN MODEL 131)	C. NO SINGLE SOURCE TO EXCEED 50 MILLI- CURIES

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-642-51

AMENDMENT 0

PAGE 2

D. CESIUM 137

D. SEALED SOURCE  
(CPN MODEL 131)

D. NO SINGLE SOURCE TO  
EXCEED 10 MILLI-  
CURIES

9. AUTHORIZED USE

A. AND B. TO BE USED IN TROXLER MODEL 3400 SERIES MOISTURE/DENSITY  
GAUGE TO MEASURE PROPERTIES OF CONSTRUCTION MATERIALS.

C. AND D. TO BE USED IN CAMPBELL PACIFIC NUCLEAR INC. MODEL MC  
SERIES MOISTURE/DENSITY GAUGES TO MEASURE PROPERTIES OF  
CONSTRUCTION MATERIALS.

CONDITIONS:

10. THE LICENSEE SHALL COMPLY WITH THE PROVISIONS OF THE KENTUCKY  
CABINET FOR HUMAN RESOURCES ADMINISTRATIVE RADIATION  
REGULATIONS, 902 KAR 100.

11. RADIOACTIVE MATERIAL MAY BE STORED AT:  
SAME AS ITEM #2.

RADIOACTIVE MATERIAL MAY BE USED AT TEMPORARY JOB SITES, IN  
AREAS NOT UNDER EXCLUSIVE FEDERAL JURISDICTION, ANYWHERE IN THE  
COMMONWEALTH OF KENTUCKY WHERE THE CABINET MAINTAINS JURISDIC-  
TION FOR REGULATING THE USE OF RADIOACTIVE MATERIAL. (THIS  
CONDITION DOES NOT PROHIBIT USE IN OTHER STATES UNDER RECIPRO-  
CITY PRIVILEGES WHICH MAY BE GRANTED BY THE REGULATORY AGENCY  
HAVING JURISDICTION.)

12. RADIOACTIVE MATERIAL SHALL BE USED BY, OR UNDER THE DIRECT  
SUPERVISION AND IN THE PHYSICAL PRESENCE OF:

JAMES G. ALEXANDER  
JAMES W. BREWER  
MELISA DAUMEN  
CHRISTY GARRETT

JOHN NEAL  
MICHAEL C. RONAYNE  
RICHARD L. TINGLE  
G.T. VANDEVELDE

13. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED  
BY THIS LICENSE IS MICHAEL RONAYNE .



CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-642-51

AMENDMENT 0

PAGE 3

- 
14. THIS LICENSEE IS AUTHORIZED TO COLLECT LEAK TEST SAMPLES IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE LICENSEE'S APPLICATION DATED APRIL 3, 2000 FOR ANALYSIS BY PACIFIC NUCLEAR TECHNOLOGY .  
ALTERNATIVELY, LEAK TEST SAMPLES MAY BE COLLECTED AND/OR ANALYZED BY OTHER PERSONS SPECIFICALLY AUTHORIZED BY THE CABINET, U.S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE.
15. SEALED SOURCES CONTAINING RADIOACTIVE MATERIAL SHALL NOT BE OPENED OR REMOVED FROM THEIR RESPECTIVE SOURCE HOLDERS BY THE LICENSEE.
16. ANY CLEANING, MAINTENANCE OR REPAIR OF THE GAUGE(S) INVOLVING REMOVAL OF THE SOURCE ROD FROM THE DEVICES OR REMOVAL OR DISMANTLING OF SHIELDING MAY BE PERFORMED ONLY BY THE MANUFACTURER OR BY OTHER PERSONS SPECIFICALLY AUTHORIZED BY THE CABINET, THE U. S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE TO PERFORM SUCH SERVICES.
17. EACH PORTABLE GAUGE SHALL HAVE A LOCK OR OUTER LOCKED CONTAINER DESIGNED TO PREVENT UNAUTHORIZED OR ACCIDENTAL REMOVAL OF THE SEALED SOURCE FROM ITS SHIELDED POSITION. THE GAUGE OR ITS CONTAINER MUST BE LOCKED WHEN IN TRANSPORT, STORAGE OR NOT UNDER THE DIRECT SURVEILLANCE OF AN AUTHORIZED USER.
18. THE LICENSEE SHALL CONDUCT A PHYSICAL INVENTORY EVERY SIX (6) MONTHS TO ACCOUNT FOR ALL SEALED SOURCES RECEIVED AND POSSESSED UNDER THE LICENSE. THE RECORDS OF THE INVENTORIES SHALL BE MAINTAINED FOR TWO (2) YEARS FROM THE DATE OF THE INVENTORY FOR INSPECTION BY THE CABINET, AND SHALL INCLUDE THE QUANTITIES AND KINDS OF RADIOACTIVE MATERIAL, LOCATION OF SEALED SOURCES, AND THE DATE OF THE INVENTORY.
19. THE LICENSEE MAY TRANSPORT RADIOACTIVE MATERIAL, OR DELIVER RADIOACTIVE MATERIAL TO A CARRIER FOR TRANSPORT, IN ACCORDANCE WITH THE PROVISIONS OF 902 KAR 100:070, AND OTHER DEPARTMENTS OF THE COMMONWEALTH OF KENTUCKY HAVING JURISDICTION.
20. IN ADDITION TO THE POSSESSION LIMITS IN ITEM 8, THE LICENSEE SHALL FURTHER RESTRICT THE POSSESSION OF RADIOACTIVE MATERIAL TO QUANTITIES BELOW THE MINIMUM LIMIT SPECIFIED IN 902 KAR 100:040, SECTION 15, FOR ESTABLISHING DECOMMISSIONING FINANCIAL ASSURANCE.

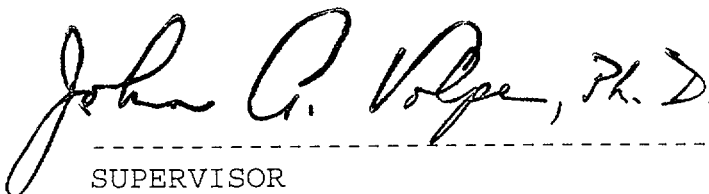
CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-642-51

AMENDMENT 0

PAGE 4

21. EXCEPT AS SPECIFICALLY PROVIDED OTHERWISE IN THIS LICENSE, THE LICENSEE SHALL CONDUCT ITS PROGRAM IN ACCORDANCE WITH THE STATEMENTS, REPRESENTATIONS, AND PROCEDURES CONTAINED IN THE DOCUMENTS, INCLUDING ANY ENCLOSURES, LISTED BELOW. THE CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, SHALL GOVERN UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.
- A. APPLICATION DATED APRIL 3, 2000, SIGNED BY G.T. VANDEVELDE, P.E., PRESIDENT.
- B. LETTERS DATED:
1. APRIL 17, 2000, SIGNED BY MICHAEL C. RONAYNE, P.E., VICE-PRESIDENT.
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SUPERVISOR  
RADIATION HEALTH & TOXIC  
AGENTS BRANCH

JIMMY D. HELTON

SECRETARY  
CABINET FOR HEALTH SERVICES

DATE ISSUED MAY 2, 2000



**GEM Engineering, Inc.**  
2219 Plantside Drive  
Louisville, Kentucky 40299  
phone (502) 493-7100  
fax (502) 493-8190  
email [mail@gemeng.com](mailto:mail@gemeng.com)

**TRANSMIT TO:**

Attention:	Regional Administrator
Agency:	Division of Nuclear Material Safety Attn: Reciprocity Request U.S. NRC, Region II Sam Nunn Atlanta Federal Center
Street Address:	61 Forsyth Street, SW, Suite 23T85
City, State, ZIP	Atlanta, GA 30303-8931

**VIA:**

US Mail	
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**FROM:**

Michael Ronayne
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**ATTACHMENTS:**

No. of Copies	Description
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**COMMENTS:**

Please review and let me know if there is anything else we need to provide. I am sending four copies of this information via UPS.