

CABINET FOR HEALTH SERVICES  
COMMONWEALTH OF KENTUCKY  
RADIOACTIVE MATERIAL LICENSE

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1. LICENSEE AND 2. ADDRESS

CHASE ENVIRONMENTAL GROUP INC.  
11450 WATTERSON COURT  
LOUISVILLE, KY 40299-2389

ATTENTION: RICHARD E. SAUER, PRESIDENT  
TELEPHONE: 502-267-1455

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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 HEALTH SERVICES, NOW OR HEREINAFTER IN EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.  
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3. LICENSE NUMBER: 201-605-90  
AMENDMENT NO. 19  
4. EXPIRATION DATE: DECEMBER 31, 2010  
5. REVIEWER: 84

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6. LICENSED MATERIAL 7. FORM 8. POSSESSION LIMIT  
A. ANY RADIOACTIVE MATERIAL WITH ATOMIC NUMBERS A. ANY FORM A. 100 CURIES  
(NOT TO EXCEED OR EQUAL INCREASED CONTROLS (IC) QUANTITIES OF CONCERN IN ACCORDANCE WITH IC TABLE 1)

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3-98 INCLUSIVE,  
EXCLUDING H-3,  
SOURCE MATERIAL  
AND SPECIAL  
NUCLEAR MATERIAL

- |    |                             |    |                         |    |   |
|----|-----------------------------|----|-------------------------|----|---|
| B. | HYDROGEN 3                  | B. | SOLID, LIQUID<br>OR GAS | B. | 100 CURIES  |
| C. | SOURCE MATERIAL             | C. | ANY FORM                | C. | 1,000 KILOGRAMS   |
| D. | SPECIAL NUCLEAR<br>MATERIAL | D. | ANY FORM                | D. | 350 GRAMS URANIUM-<br>235, 200 GRAMS<br>URANIUM-233, OR<br>200 GRAMS PLUTONIUM<br>OR ANY COMBINATION<br>OF THESE PROVIDED<br>THE SUM OF THE<br>RATIOS OF THE<br>QUANTITIES DOES NOT<br>EXCEED UNITY |

9. AUTHORIZED USE

A.-D. 1. FOR DECONTAMINATION AND DECOMMISSIONING SERVICES, INCLUDING DEMOLITION, REMEDIATION, RADIOLOGICAL SURVEY, SAMPLING AND ACCELERATOR/CYCLOTRON DISASSEMBLY, REMOVAL, STORAGE AND RELOCATION.

2. FOR TRANSPORTATION SERVICES, INCLUDING PACKAGING, PROCESSING AND TRANSPORT FOR DISPOSAL OR TRANSFER TO FACILITIES AUTHORIZED TO STORE, POSSESS, OR DISPOSE OF RADIOACTIVE MATERIAL.

3. FOR STORAGE OF ACCELERATORS, CYCLOTRONS, ASSOCIATED COMPONENTS AND OTHER ACTIVATED OR CONTAMINATED ITEMS PENDING TRANSFER TO LICENSED FACILITIES OR DISPOSAL AND WASTE COLLECTION FOR LOAD CONSOLIDATION.

4. IMPLEMENTATION OF RADIATION SAFETY PROGRAMS AT TEMPORARY JOB SITES INCLUDING THOSE NOT DEFINED IN 1, 2 AND 3 ABOVE.

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5. MATERIAL MAY BE USED AT TEMPORARY JOB SITES OF THE LICENSEE AT LOCATIONS THROUGHOUT KENTUCKY, THE UNITED STATES AND OTHER LOCATIONS AS NEEDED UPON RECEIPT OF RECIPROCITY.

1-5 ABOVE IS TO BE PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF LICENSES ISSUED BY THE U.S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE.

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CONDITIONS:

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

11. RADIOACTIVE MATERIAL MAY BE STORED AT:  
CHASE ENVIRONMENTAL GROUP  
11450 WATTERSON COURT  
LOUISVILLE, KY 40299-2389

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 JURISDICTION FOR REGULATING THE USE OF RADIOACTIVE MATERIAL. (THIS CONDITION DOES NOT PROHIBIT USE IN OTHER STATES UNDER RECIPROCITY PRIVILEGES WHICH MAY BE GRANTED BY THE REGULATORY AGENCY HAVING JURISDICTION.)

12. COPIES OF RECORDS REQUIRED PURSUANT TO 902 KAR 100 OR CONDITIONS OF THE LICENSE SHALL BE MAINTAINED FOR INSPECTION BY THE CABINET AT CHASE ENVIRONMENTAL GROUP, 11450 WATTERSON COURT, LOUISVILLE, KY 40222

13. RADIOACTIVE MATERIAL SHALL BE USED BY, OR UNDER THE SUPERVISION AND IN THE PHYSICAL PRESENCE OF, RICHARD SAUER, DOUGLAS COBAL OR DAVE CULP.  
ALTERNATIVELY, RADIOACTIVE MATERIAL MAY BE USED BY INDIVIDUALS WHO HAVE BEEN TRAINED AS SPECIFIED IN APPLICATION DATED NOVEMBER 9, 2009 AND HAVE BEEN APPROVED IN WRITING BY THE RADIATION SAFETY OFFICER. THE LICENSEE SHALL MAINTAIN RECORDS OF THE TRAINING RECEIVED BY INDIVIDUALS DESIGNATED AS USERS FOR INSPECTION BY THE CABINET FOR FIVE (5) YEARS FOLLOWING THE LAST USE OF RADIOACTIVE MATERIAL BY THE INDIVIDUAL. THIS TRAINING PROGRAM IS APPLICABLE ONLY TO INDIVIDUALS WHO SHALL USE LICENSED MATERIAL UNDER THE AUTHORITY OF THIS LICENSE.

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14. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED BY THIS LICENSE IS DOUGLAS COBLE .
  15. 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.
  16. THE LICENSEE SHALL SUBMIT A DECONTAMINATION, DECOMMISSIONING, AND REMEDIATION AND/OR OTHER PROJECT WORK PLAN FOR EACH PROJECT TO BE PERFORMED, UNDER THIS LICENSE. THIS PLAN WILL SPECIFY AN ESTIMATE OF THE TYPES, QUANTITIES, PHYSICAL/CHEMICAL FORMS OF RADIOACTIVE MATERIAL; SPECIFICATIONS OF SITE LOCATION INCLUDING FACILITIES AND EQUIPMENT, AND RADIATION DETECTION INSTRUMENTS TO BE USED; DESCRIPTION OF PROJECT ACTIVITIES INCLUDING WASTE MANAGEMENT AND DISPOSITION; ESTIMATED PROJECT START DATE AND DURATION; AND IDENTIFICATION OF, AND INFORMATION ON HOW TO CONTACT KEY PROJECT PERSONNEL. IN ADDITION, THE PLAN SHALL INCLUDE PERSONNEL QUALIFICATIONS INCLUDING THOSE OF THE RADIATION CONTROL SUPERVISOR, AND A DESCRIPTION OF PERSONNEL DOSIMETRY AND BIOASSAY PROCEDURES TO BE USED. OTHER INFORMATION SHALL BE SUBMITTED AS REQUIRED BY THE REFERENCES IN CONDITION 19 OF THIS LICENSE.
  17. AT THE COMPLETION OF ACTIVITIES AT EACH JOB SITE LOCATION, THE LICENSEE SHALL NOTIFY THE CABINET OF THE TEMPORARY JOB SITE STATUS AND THE DISPOSITION OF THE RADIOACTIVE MATERIAL.
  18. THIS LICENSE DOES NOT AUTHORIZE THE POSSESSION AND USE OF LICENSED MATERIAL AT CUSTOMER FACILITIES OR CUSTOMER TEMPORARY JOB SITES FOR USES SPECIFICALLY AUTHORIZED BY THE CUSTOMERS LICENSE.
  19. 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 HEALTH SERVICES REGULATIONS, 902 KAR 100, SHALL GOVERN

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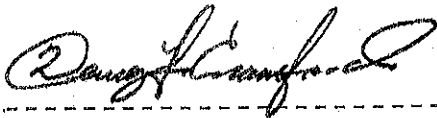
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UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.

- A. APPLICATION DATED NOVEMBER 9, 2009, SIGNED BY JOHN R. O'NEIL, DIRECTOR.
- B. LETTER DATED APRIL 16, 2010, SIGNED BY JOHN R. O'NEIL, DIRECTOR.



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MANAGER  
RADIATION HEALTH BRANCH

JANIE MILLER

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SECRETARY  
CABINET FOR HEALTH AND FAMILY  
SERVICES

DATE ISSUED APRIL 22, 2010