

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: JOHN R. O'NEIL
TELEPHONE: 502-267-1455

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.

3. LICENSE NUMBER: 201-605-15
AMENDMENT NO. 37
AMENDS IN ITS ENTIRETY

4. EXPIRATION DATE: DECEMBER 31, 2019

5. REVIEWER: 84

6. LICENSED MATERIAL 7. FORM 8. POSSESSION LIMIT
A. ANY BYPRODUCT MATERIAL WITH ATOMIC NUMBERS 3-98 INCLUSIVE, EXCLUDING H-3, SOURCE MATERIAL AND SPECIAL NUCLEAR MATERIAL A. ANY FORM A. 500 CURIES (NOT TO EXCEED OR EQUAL CATEGORY 2 QUANTITY AS A SINGLE SOURCE OR AGGREGATED AMOUNT)

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B. HYDROGEN 3	B. ANY FORM	B. 500 CURIES
C. SOURCE MATERIAL	C. ANY FORM	C. 1,000 KILOGRAMS
D. SPECIAL NUCLEAR MATERIAL	D. ANY FORM	D. 200 GRAMS URANIUM-233, 350 GRAMS URANIUM-235 OR 200 GRAMS PLUTONIUM OR ANY COMBINATION OF THESE PROVIDED THE SUM OF THE DOES NOT EXCEED OR EQUAL A CATEGORY 2 QUANTITY

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.

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. THIS LICENSE AND THE RIGHT TO POSSESS OR UTILIZE RADIOACTIVE MATERIAL GRANTED BY THIS LICENSE ISSUED UNDER 902 KAR CHAPTER 100 SHALL NOT BE TRANSFERRED, ASSIGNED, OR OTHERWISE DISPOSED OF, THROUGH TRANSFER OF CONTROL OF A LICENSE TO A PERSON UNLESS THE CABINET, AFTER SECURING FULL INFORMATION, FINDS THAT THE TRANSFER IS IN ACCORDANCE WITH THE REQUIREMENTS OF 902 KAR CHAPTER 100 AND GIVES ITS CONSENT IN WRITING IN ACCORDANCE WITH 902 KAR 100:040, SECTION 11.
12. RADIOACTIVE MATERIAL MAY BE STORED AT:
CHASE ENVIRONMENTAL GROUP
11450 WATTERSON COURT
LOUISVILLE, KY 40299-2389
13. RADIOACTIVE MATERIAL MAY BE USED AND STORED IN ACCORDANCE WITH KENTUCKY ADMINISTRATIVE REGULATIONS 902 KAR 100 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.)
14. THIS LICENSE DOES NOT AUTHORIZE THE POSSESSION OR THE USE OF LICENSED MATERIAL AT CUSTOMER FACILITIES OR CUSTOMER TEMPORARY JOB SITES FOR USES SPECIFICALLY AUTHORIZED BY THE CUSTOMERS LICENSE.
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. THIS LICENSE DOES NOT AUTHORIZE COMMERCIAL DISTRIBUTION OF RADIOACTIVE MATERIAL.
17. IN ADDITION TO THE POSSESSION LIMITS SPECIFIED IN ITEM 8, THE LICENSEE SHALL FURTHER RESTRICT POSSESSION OF RADIOACTIVE MATERIAL, IN AGGREGATED QUANTITIES; BELOW THE CATEGORY 2 VALUE (IN TERABECQUERELS) SPECIFIED IN APPENDIX A, TABLE 1 - "CATEGORY 1 AND CATEGORY 2 THRESHOLD" OF 10 CFR 37 "PHYSICAL PROTECTION OF CATEGORY 1 AND CATEGORY 2 QUANTITIES OF RADIOACTIVE MATERIAL".

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18. 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 100:042, SECTION 11, 12 AND 13 FOR ESTABLISHING DECOMMISSIONING FINANCIAL ASSURANCE.
19. RADIOACTIVE MATERIAL SHALL BE USED BY, OR UNDER THE SUPERVISION OF INDIVIDUALS WHO HAVE RECEIVED THE TRAINING DESCRIBED IN THE LICENSEE'S APPLICATION DATED MARCH 15, 2018 AND HAVE BEEN APPROVED IN WRITING BY THE RADIATION SAFETY OFFICER LICENSEE SHALL MAINTAIN RECORDS OF INDIVIDUALS DESIGNATED AS USERS FOR THREE (3) YEARS FOLLOWING THE LAST USE OF LICENSED MATERIAL BY THE INDIVIDUAL.
20. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED BY THIS LICENSE IS CHRISTOPHER E. ECHTERLING .
21. THIS LICENSE DOES NOT AUTHORIZE POSSESSION OR USE OF RADIOACTIVE MATERIAL.
22. 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 25 OF THIS LICENSE.
23. 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.
24. 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 40299-2389

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

A. APPLICATION DATED MARCH 15, 2018, SIGNED BY CHRIS ECHTERLING, RSO.



MANAGER
RADIATION HEALTH BRANCH

ADAM MEIER

SECRETARY
CABINET FOR HEALTH AND FAMILY
SERVICES

DATE ISSUED DECEMBER 21, 2018