

Cabinet for Health and Family Services
Commonwealth of Kentucky
Department for Public Health
275 E Main Street
Frankfort, KY 40621

Andy Beshear
Governor

Eric C. Friedlander
Secretary

Steven J. Stack, MD
Commissioner

Radioactive Material License

Chase Environmental Group Inc
11450 Watterson Court
Louisville, KY 40299-2389

Attention: John O'Neil
Telephone: (502) 267-1455

Pursuant to KRS 211.842 et seq., the Kentucky Cabinet for Health and Family Services regulations 902 KAR Chapter 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 and Family Services, now or hereinafter in effect and to any conditions specified below.

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| 3. | License Number: | 201-605-15 |
| | Amendment No: | 42 |
| 4. | Expiration Date: | December 31, 2022 |
| 5. | Reviewer: | 49 |

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| <p>6. Licensed Material</p> <p>A. Any byproduct material with atomic numbers 3-98 inclusive, excluding H-3, source material and special nuclear material</p> <p>B. Hydrogen-3</p> <p>C. Source Material</p> <p>D. Special nuclear material</p> | <p>7. Form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> | <p>8. Possession Limit</p> <p>A. Not to Exceed 500 Curies</p> <p>B. Not to exceed 4000 Ci</p> <p>C. Not to Exceed 1000 Kg</p> <p>D. 200 grams Uranium 233, 350 grams Uranium 235 or 200 grams Plutonium, or any combination of these provided the sum of fractions does not exceed or equal Category 2 quantity</p> |
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9. Authorized Use
- A. 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, or dispose of radioactive material.
3. For storage of accelerator, cyclotrons, associated components and other activated or contaminated items pending transfer to licensed facilities for disposal and waste collection and 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 throughout Kentucky, the United States and other locations as needed upon receipt of reciprocity.
- *1-5 above to be performed in accordance with the terms and conditions of the licenses issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

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- B. As described in item 9. A.
- C. As described in item 9. A.
- D. As described in item 9. A.
- 10. The licensee shall comply with the provisions of the Kentucky Cabinet for Health and Family Services Administrative Radiation Regulations 902 KAR Chapter 100.
- 11. Radioactive material may be stored at:
Chase Environmental Group
11450 Watterson Court
Louisville, Ky 40299-2389
- 12. Radioactive material may be used and stored in accordance with 902 KAR Chapter 100 regulations 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.)
- 13. Copies of records required pursuant to 902 KAR Chapter 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.
- 14. 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. The licensee shall maintain records of individuals designated as users for three (3) years following the last use of licensed material by the individual.
- 15. The radiation safety officer for the activities authorized by this license is Christopher E. Echterling.
- 16. This license does not authorize possession or use of radioactive material at customer facilities or customer temporary job sites for uses specifically authorized by the customers' license issued by the Cabinet, U.S. Nuclear Regulatory Commission, or an Agreement State.
- 17. This license does not authorize commercial distribution of radioactive material.

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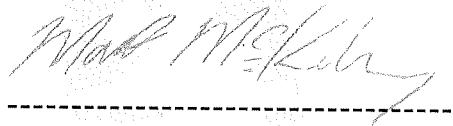
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18. This licensee shall submit a decontamination, decommissioning and remediation and/or other project work plan for each project to be performed, under the license. This plan will specify an estimate of the types, quantities, physical/chemical forms of radioactive material; specification 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; 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 dosimetry and bioassay procedures to be used. Other information shall be submitted as required by references in condition 24 of this license.
19. 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 radioactive material.
20. 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.
21. 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, Sections 11, 12, and 13 for establishing decommissioning financial assurance.
22. 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 Part 37 "Physical protection of Category 1 and Category 2 quantities of radioactive material".
23. 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.

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24. 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. The Cabinet for Health and Family Services regulations, 902 KAR Chapter 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.
B. Letters Dated
1. September 3, 2019, signed by Chris Echterling, RSO (increased possession limit).



Manager
Radiation Health Branch

Eric C. Friedlander

Secretary
Cabinet for Health and Family Services.

Date Issued:December 3, 2021