



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH**

William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 15th Floor Nashville, Tennessee 37243
615-532-0364

RADIOACTIVE MATERIAL LICENSE

Amendment 2

Pursuant to Tennessee Department of Environment and Conservation Regulations, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, 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 and regulations of the Tennessee Department of Environment and Conservation and orders of the Division of Radiological Health, now or hereafter in effect and to any conditions specified below.

LICENSEE 1. Name Heritage Railroad		3. License Number R-01117-L26	
2. Address 1560 Bear Creek Road Oak Ridge, TN 37830		4. Expiration Date December 31, 2026	
		5. File No. R-01117	
6. Radioactive Material (Element and Mass Number)	8. Chemical and/or physical form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.	
SEE SUPPLEMENTARY SHEETS			
10. Authorized Use SEE SUPPLEMENTARY SHEETS			
CONDITIONS			
11. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.			
For the Commissioner Tennessee Department of Environment and Conservation			
Date of Issuance: September 6, 2019	By:  Division of Radiological Health Ronald J. Parsons, Environmental Consultant		



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License No. R-01117-L26

S U P P L E M E N T A R Y S H E E T

- | | | |
|---|---|---|
| 6. Radioactive Material
(Element and
<u>Mass Number</u>) | 8. Chemical
and/or
<u>Physical Form</u> | 9. Maximum Radioactivity
and/or Quantity of Material
Which Licensee May
<u>Possess at Any One Time</u> |
| A. Residual
radioactivity
contamination as
specified in 49CFR
Parts 100 through 177
(Transportation) | A. Any | A. As necessary for the
uses in Item 10.A. * |

* For each kind of special nuclear material determine the ratio between the quantity of that special nuclear material and the quantity specified here for the same kind of special nuclear material. The sums of such ratios for all kinds of special nuclear material in combination shall not exceed "1" (i.e. unity).

10. Authorized Use

- A. Storage of empty railcars and/or conveyances containing residual radioactivity contamination as specified in Item 6.A.

Conditions

12. The licensee shall comply with applicable provisions of 0400-20-04, 0400-20-05, and 0400-20-10 of "State Regulations for Protection Against Radiation (SRPAR)."
13. Radioactive material authorized by this license may be stored at the Heritage Railroad Portal 10 rail track, Powerhouse Access Road, Oak Ridge, TN 37830.
14. A. Radioactive material authorized by this license shall be used by, or under the supervision of, Brian Cooley.
- B. The Radiation Safety Officer for this license is **Aaron Nance**.
15. Licensed operations shall be conducted in accordance with applicable provisions of the EnergySolutions Tennessee Radiation Safety Guide (RSG-1), Revision 11.



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S U P P L E M E N T A R Y S H E E T

16. An exemption is granted to the requirements in 0400-20-05-.115(3) of "State Regulations for Protection Against Radiation" that a package received during normal working hours shall be monitored within 3 hours, and that a package not received during normal working hours shall be monitored no later than 3 hours after the beginning of the next working day. Instead, the licensee may monitor a package received during normal working hours within the shift that it is received, or for a package not received during normal working hours may monitor that package within the first shift of the next working day. This authorization does not relieve the licensee from monitoring packages as soon as practical after receipt.

This exemption may be withdrawn or modified by the Department at any time it is determined necessary to protect the public health and safety or if it is found that the conditions on which this exemption is based have been violated.

17. No provision of this license relieves the licensee from compliance with other Federal, State, and local laws, ordinances, and regulations applicable to the licensee's activities.
18. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in the following:
 - Application dated November 1, 2016, with attachments
 - Letters dated November 1, 2016, November 14, 2017, with attached *EnergySolutions* Tennessee Radiation Safety Guide (RSG-1), Revision 11, December 5, 2017, and June 11, 2019, with attachments.