

National Aeronautics and  
Space Administration

John H. Glenn Research Center  
Lewis Field  
Cleveland, OH 44135-3191



February 2, 2018

Reply to Attn of: QSH

U.S. Nuclear Regulatory Commission, Region III  
Chief, Materials Licensing Branch  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Subject: Amendment Request for Removal of Licensed "Environmental Samples" from  
Authorized Possession and Increased Possession Limit for Am-241 "Foil Sources"

Ref: License #34-00507-16, Docket #030-05626

The NASA John H. Glenn Research Center (GRC) request that items J through O be removed from the Center's list of authorized possession. In aggregate, these items represent soil samples that NASA GRC has received from the Department of Energy's Radiological and Environmental Sciences Laboratory's Mixed Analyte Performance Program for the purpose of quality control checks for its gamma spectroscopy counting systems. In total, three soil samples had been received by NASA GRC. These samples were shipped to Alaron Corporation on January 8, 2018. The enclosed documentation includes the associated Nuclear Regulatory Commission (NRC) Uniform Low-Level Radioactive Waste Manifest Shipping Paper (NRC form 540/541) as well as Alaron's Certificate of Receipt for said materials. In addition, NASA GRC requests that the total possession for item 8.D. be increased to 25 microcuries total.

Should additional information be required, please contact Mr. Christopher J. Blasio, Radiation Safety Officer, at (216) 433-6520.

A handwritten signature in black ink, appearing to read "Steven L. Herron".

Steven L. Herron  
Chief, Safety and Health Division

Enclosures

RECEIVED FEB 13 2018

<b>NRC FORM 540</b>  <b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>			<b>5. SHIPPER- NAME AND FACILITY</b> NASA John H. Glenn Research Ctr. 2100 Brookpark Rd. Cleveland, OH 44135		<b>SHIPPER ID #</b> N/A <input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR		<b>7. NRC FORM 540 AND 540A</b> PAGE 1 <u>1</u> PAGE(S) <b>NRC FORM 541 AND 541A</b> OF <u>1</u> PAGE(S) <b>NRC FORM 542 AND 542A</b> <u>1</u> PAGE(S) ADDITIONAL INFORMATION: <u>None</u> PAGE(S)		<b>8. Manifest Number</b> (Use this number on all continuation pages)  AL-2018-006					
<b>1. EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE)</b> 800-424-9300			<b>USER PERMIT NUMBER</b> N/A		<b>SHIPMENT #</b>  <b>GENERATOR TYPE (SPECIFY)</b> G		<b>9. CONSIGNEE-NAME AND FACILITY ADDRESS</b> Alaron Corporation 2138 State Route 18 Wampum, PA 16157			<b>Contact</b> Mike Otlowski Telephone Number (include area code) 724-535-5777				
<b>ORGANIZATION</b> CHEMTREC WSDS #: CHEN01RAD Customer #: 4395			<b>CONTACT</b> Chris Blasio		<b>TELEPHONE #</b> 216-433-6520		<b>SIGNATURE</b> <i>[Signature]</i> AUTHORIZED SIGNATURE			<b>Date</b> 01-09-2018				
<b>2. IS THIS AN EXCLUSIVE USE SHIPMENT?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<b>3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST</b> 1		<b>6. CARRIER NAME AND ADDRESS</b> Fed-Ex Overnight Shipping		<b>EPA ID #</b>  <b>SHIPPING DATE</b> 1/8/18			<b>10. Certification</b> This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the material was classified, packaged, marked and labeled and is in proper condition for transportation and disposal as described in accordance with the requirements of NRC 10 CFR parts 20 and 31, or applicable state regulations.				
<b>4. DOES EPA REGULATE?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<b>FPA MANIFEST NUMBER</b> NA		<b>CONTACT</b> NASA Shipper <i>[Signature]</i>		<b>TELEPHONE #</b> 216 433 2254		<b>DATE</b> 1-8-18					
<b>11. U. S. DEPARTMENT OF TRANSPORTATION DESCRIPTION</b> (including proper shipping name, hazard class, UN ID number, and any additional information)			<b>12. DOT LABEL 'RADIOACTIVE'</b> N/A		<b>13. TRANSPORT INDEX</b> N/A		<b>14. PHYSICAL AND CHEMICAL FORM</b> Solid/Oxide		<b>15. INDIVIDUAL RADIONUCLIDES</b> Am-241; Cs-134; Cs-137; Co-57; Co-60; Fe-55; Mn-54; Ni-63; Pu-238; Pu-239; K-40; Sr-90; Tc-99; U-233; U-238; Zn-65		<b>16. TOTAL WEIGHT OR VOLUME</b> TOTAL PACKAGE ACTIVITY IN MBq 6.84E-03 LSA/SCO CLASS N/A m <sup>3</sup> 0.008		<b>19. ID NUMBER OF PACKAGE</b> AL-SL-W-18-005	
Non DOT Regulated Material  One box with soil for disposal														
<b>RECEIVED</b>														
<b>JAN 09 2018</b>														
<i>ARSHIP-18-0025</i> <b>Alaron Nuclear Services</b>														

**Generator Certification Statement:**  
 The constituents of the waste manifested herein are known to the generator. There are no EPA RCRA, pathogenic or other hazards present other than those specifically listed on the Form 541.

Christopher J. Blasio *[Signature]* 1/8/18  
 Print name Signature Date

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)

January 31, 2018

**ALARON NUCLEAR SERVICES**

**2138 State Route 18  
Wampum, PA 16157**

**CERTIFICATE OF LICENSE TRANSFER---LETTER OF RECEIPT.**

Alaron Nuclear Services received radioactive material on January 9, 2018 via Radioactive Waste Manifest # AL-2018-006 from:

NASA Glenn Research Center  
2100 Brookpark Rd  
Cleveland, OH 44135

The material is described as MAPEP Soil Samples. It was shipped in a cardboard box via FedEx.

This document certifies that the materials on the above-listed manifest were accepted for license transfer at Alaron Nuclear Services in accordance with all applicable laws, regulations, permits and licenses held by Alaron Nuclear Services.

 Michael Otlowski  
Authorized Alaron Representative

National Aeronautics and  
Space Administration



John H. Glenn Research Center  
Lewis Field

C. Blasi 16-4  
Sender Mail Stop  
21000 Brookpark Road  
Cleveland, OH 44135-3191



U.S. POSTAGE PITNEY BOWES

ZIP 44135 \$ 000.47<sup>0</sup>  
02 4W  
0000354779 FEB 06 2010

US NUCLEAR REGULATORY COMMISSION  
REGION III  
CHIEF MATERIALS LICENSING BRANCH  
2443 WARRENVILLE ROAD SUITE 210  
LISLE IL 60532 4352

RECEIVED FEB 13 2010

60532\$4352 CO21

