

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.

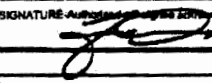
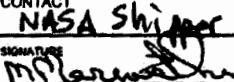

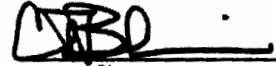
Should additional information be required, please contact Mr. Christopher J. Blasio, Radiation Safety Officer, at (216) 433-6520.

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

NRC FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		5. SHIPPER- NAME AND FACILITY NASA John H. Glenn Research Ctr. 2100 Brookpark Rd. Cleveland, OH 44135		SHIPPER ID # N/A <input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR		7. NRC FORM 540 AND 540A PAGE 1 <u>1</u> PAGE(S) 8. Manifest Number (Use this number on all continuation pages) AL-2018-006											
1. EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE) 800-424-9300		USER PERMIT NUMBER N/A		GENERATOR TYPE (SPECIFY) G		9. CONSIGNEE-NAME AND FACILITY ADDRESS Alaron Corporation 2138 State Route 18 Wampum, PA 16157											
ORGANIZATION CHEMTREC WSDS #: CHEN01RAD Customer #: 4395		CONTACT Chris Blasio		TELEPHONE # 216-433-6520		Contact Mike Otlowski Telephone Number (include area code) 724-535-5777											
2. IS THIS AN EXCLUSIVE USE SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		6. CARRIER NAME AND ADDRESS Fed-Ex Overnight Shipping		SIGNATURE - Authorized signatory acknowledging waste receipt 											
4. DOES EPA REGULATE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FPA MANIFEST NUMBER NA		EPA ID # NA		Date 01-09-2018											
10. Certification <small>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.</small>		CONTACT NASA Shipper 		TELEPHONE # 216 433 2254		Signature 											
DATE 1-8-18		TITLE Radiation Safety Officer		DATE 1-8-2018													
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (including proper shipping name, hazard class, UN ID number, and any additional information)		12. DOT LABEL 'RADIOACTIVE'		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY IN MBq		17. LSA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME m ³		19. ID NUMBER OF PACKAGE	
Non DOT Regulated Material One box with soil for disposal		N/A		N/A		Solid/Oxide		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		6.84E-03		N/A		0.008		AL-SL-W-18-005	
RECEIVED																	
JAN 09 2018																	
ARSHIP-18-0025 Alaron Nuclear Services																	
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.										Signature 		Date 1/8/18					
Christopher J. Blasio 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 \$ 000.47⁰
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

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