



**Automotive Center**  
United States Steel

External Memo

**Date:** 07 February, 2018

**To:** Dr. Celimar Valentin-Rodriguez  
General Engineer  
U.S. Nuclear Regulatory Commission

**cc:** M.F. Shi, J.D. Lievens, H. Zmijewski

**From:** Brandon M. Hance, PhD  
Senior Industry Research Engineer  
United States Steel Corporation – Automotive Center  
5850 New King Court, Troy, MI 48098  
[bhance@uss.com](mailto:bhance@uss.com); (248) 257-2564

**Subject:** Transfer Report: GL-700100-23

Dear Celimar:

The purpose of this letter is to confirm that we have transferred possession of the device and contained sources related to General License Registration No. GL-700100-23. United States Steel Corporation contracted Applied Health Physics, LLC (Pennsylvania License No. PA-0228A) to pick up the subject materials, and this transaction was completed on 07 February, 2017 (one year ago) at our location in Troy, MI. Covered in this transaction were two Am-241 sources contained within a single device:

**Device:**

- Manufacturer: Nucleonic Data Systems (NDS)
- Model: 100B
- Serial Number: 1139

**Sources:**

- Source S/N Z1845 with 30 mCi Original Activity
- Source S/N A930 with 1 mCi Original Activity

Please find the attached PDF file which contains three documents: (1) a cover letter from Applied Health Physics, LLC dated 06 February, 2018; (2) a Straight Bill of Lading form dated 15 March, 2017; and (3) an Acknowledgment Letter from QSA Global dated 06 April, 2017. We are submitting these documents retroactively in response to receiving notification from the Nuclear Regulatory Commission regarding annual registration for this Generally Licensed Device. Our hope is that we have provided sufficient information to your office to terminate our license for this device and its sources.

Please let me know if you have any questions or if you require further information. Thank you.

**Brandon M. Hance, PhD**

GLTS



# Applied HEALTH PHYSICS, LLC

COMPLETE RADIOLOGICAL SERVICES

US Steel Automotive  
5850 New King Court  
Troy, MI 48098

February 6<sup>th</sup>, 2018

**Attention: Brandon Hance**

Re: Disposal Acceptance 2017-003

Dear Mr. Hance,

Please find the enclosed *Straight Bill of Lading* and *Acknowledgement Letter* indicating QSA Global has taken possession of the material represented by your company. This document is verification of acceptance of the radioactive material as prepared and packaged by Applied Health Physics, LLC as part of a consolidated shipment. This document should be retained indefinitely on file for review by regulatory agencies.

If you have any questions, or need radiological assistance in the future, please contact our office at (800) 332-6648.

Best Regards,

Brandon Woods  
Technical Associate  
**Applied Health Physics, LLC**

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**STRAIGHT BILL OF LADING - SHORT FORM - NOT NEGOTIABLE**

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

From: Chase Environmental Group, Inc.  
for Applied Health Physics  
2986 Industrial Blvd.  
Bethel Park, PA 15102

Consigned To: QSA Global  
6765 Langley Dr.  
Baton Rouge, LA 70809

Shipment Number
SN-2017-095

Contact: Janet Baker  
865-250-4593

Contact: Rusty Barrett  
225-756-0365

Originating Carrier: SJ Transportation Co., Inc.  
Connecting Carrier(s): N/A  
Delivering Carrier: Same

Tractor # 3004 Trailer #: N/A

DATE: 3/15/2017

Number of Packages	HM	Description	Weight (kg)
Drum #6 (one drum)	RQ	UN3332 Radioactive material, Type A package, special form, 7 Solid/Oxide; Am-241; 3.81E+04 MBq Radioactive label = White-I TI = 0  Drum with special form sources in gauges for recycle	27
		Emergency Response Telephone Number: Chemtrec @ 800-424-9300 (Customer #:4395)	
		ERG: 164	

**CONSIGNOR (SHIPPER):**

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

	DATE	TIME		DATE	TIME	SHIPPER'S SIGNATURE
ARRIVED AT SHIPPER:	3/15/2017		VEHICLE RELEASED:	3/15/2017		
						GENERATOR'S SIGNATURE

RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED

	DATE	TIME	TRACTOR NO.	DRIVER'S SIGNATURE
ARRIVED AT SHIPPER:	3/15/2017			

**CONSIGNEE:**

RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED

	DATE	TIME		DATE	TIME	CONSIGNEE'S SIGNATURE
ARRIVED AT CONSIGNEE:			VEHICLE RELEASED:			

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**QSA GLOBAL**

6765 Langley Drive  
Baton Rouge, Louisiana 70809  
Telephone: 225-751-5893  
Fax: 225-756-0365

Date: April 6, 2017

Janet Baker  
Chase Environmental Group, Inc.  
200 Sam Rayburn Parkway  
Lenoir City, TN 37771

Reference: 2017-053

This is to advise that the material detailed below has been received by QSA Global, Inc as of 4-6-17 and we have taken possession of these sources.

Manufacturer/Model	Source Model	Source S/N	Isotope	Activity
MDS/100B	X.11	Z1845	Am-241	30 mci
NDS/100B	X.10	A930	Am-241	1 mci

Please retain this record for your files. Should you require further assistance, please contact us at QSA Global, Inc.

Regards,

Rusty Barrett  
Technical Service Manager

GLTS