



CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

Bayer CropScience LP
P.O. Box 1005
Route 25 and I-64
Institute, WV 25112-1005

Br. 2

LICENSE NUMBER

47-04373-01

DOCKET NUMBER

030-06663

LICENSE EXPIRATION DATE

January 31, 2026

A. LICENSE STATUS (Check the appropriate box)

- This license has expired.
- This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
 - a. Transfer of radioactive materials to the licensee listed below:
 - b. Disposal of radioactive materials:
 - 1. Directly by the licensee:
 - 2. By licensed disposal site:
QSA Global
6765 Langley Drive, Baton Rouge, Louisiana 70809
 - 3. By waste contractor:
 - c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

REC'D 10323 18 AM 0721

C. SURVEYS PERFORMED AND REPORTED

- 1. A radiation survey was conducted by the licensee. The survey confirms:
 - a. the absence of licensed radioactive materials
 - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
 - a. is attached; or b. is not attached (Provide explanation); or c. was forwarded to NRC on: _____ Date
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
 - a. The results of the latest leak test are attached; and/or
 - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Joseph Murphy	HSE Manager	(304) 767-6717	joseph.murphy@bayer.com

Mail all future correspondence regarding this license to:

Joseph Murphy, Bayer CropScience LP, P.O. Box 1005, Institute, WV 25112

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE	SIGNATURE	DATE
Joseph Murphy, HSE Manager		03/19/2018

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

REC'D IN LAT 3/19/18 via e-mail

602739
NMSS/RGN1 MATERIALS-002

Send all kits and requests to:

SUNTRAC Services, Inc.
1818 East Main Street
League City, TX 77573
(281) 338-2133

ATTN: SIT-KIT

CAUTION: Conduct a survey on the outside of each package placed in the U.S. Mails. Any reading over 0.5 mR/hr at contact with the envelope or package shall not be mailed.

LEAK TEST INVENTORY/REPORT FORM

Company Name: Bayer CropScience (1171)

Address: Route 25 (Plant 512) City: Institute State: WV Zip Code: 25112

Isotope: Cs 137 Activity: 15 mCi

Source Serial No: 0525CG

Device ID/Tag No N/A

Manufacturer: Vega Model No.: SH-1-1

Smear Taken By: Joseph Murphy Leak Test Date: 08/30/17

----- **DO NOT WRITE BELOW THIS LINE** -----

This is to certify that the above described smear/swab has been assayed at our facilities for indication of source leakage.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
-----	<.0001

μCi (Wet)

Certified By:  Date: 09/13/17

SUNTRAC Services, Inc. Representative
(Texas Radioactive License No. L03062)

039417

Send all kits and requests to:

SUNTRAC Services, Inc.
1818 East Main Street
League City, TX 77573
(281) 338-2133

ATTN: SIT-KIT

CAUTION: Conduct a survey on the outside of each package placed in the U.S. Mails. Any reading over 0.5 mR/hr at contact with the envelope or package shall not be mailed.

LEAK TEST INVENTORY/REPORT FORM

Company Name: Bayer CropScience (1171)

Address: Route 25 (Plant 512) City: Institute State: WV Zip Code: 25112

Isotope: Cs 137 Activity: 10 mCi

Source Serial No: 67699

Device ID/Tag No N/A

Manufacturer: Vega Model No.: SH-F1

Smear Taken By: Joseph Murphy Leak Test Date: 08/30/17

----- DO NOT WRITE BELOW THIS LINE -----

This is to certify that the above described smear/swab has been assayed at our facilities for indication of source leakage.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
-----	<.0001

µCi (Wet)

Certified By: 

Date: 09/13/17

SUNTRAC Services, Inc. Representative
(Texas Radioactive License No. L03062)

039417



QSA GLOBAL

6765 Langley Drive
Baton Rouge, Louisiana 70809

Date: October 10, 2017

Joseph Murphy
Bayer US, CropScience Division
Route 25 & I-64
Institute, WV 25112

MRA # 34614

This is to advise that the Radioactive Material as detailed below has been received by QSA Global, Inc as of 10-10-17 and we have taken possession of these sources.

Manufacturer	Model	S/N	Isotope	Activity
Ohmart	SH-F1A	0525CG	Cs-137	15 mci
Ohmart	SH-F1A	67699	Cs-137	10 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



4241 Allendorf Drive
Cincinnati, OH 45209

Phone: (513)272-0131 Fax: (513)272-0133

Field Service #	4037669
CO #	6073379
Service PO #	612624956
Visit Date(s)	25-Sep-2017 Page 1 of 1
Customer Contact	Joseph Murphy
Customer Phone#	304 741 0049
Customer RSO	Joseph Murphy

Invoice Address	Service Address	Equipment Worked On			
		Level	Density	Scale	Other
	Bayer US, Crop Science Division	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Route 25 and I-64				
	Institute, WV 25112	Ion Chamber	Scintillator		Vega
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Smart Pro	HART		Other
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					Source Holder

Other

25 Sept 2017: I, Sean Collins, VEGA field service engineer traveled from Independence, Ky. to Institute, WV and met with Mr. Joseph Murphy. Mr. Murphy (Radiation Safety Officer) and I discussed the work to be completed which is the preparation of shipment of two source holders from Bayer Crop Science to QSA Global.

Mr. Murphy has record of wipe tests completed within the last 60 days and wipe tests are not required at this time of shipment. A DOT7A crate was sent from VEGA Americas to Bayer Crop Science prior to my arrival.

I was escorted to the sources which are currently locked out and mounted to the vessel. I supervised removal of the sources as they were placed in the crate. I labeled the crate and prepared paperwork for shipment. I reviewed all the shipping documents with Mr. Murphy and left 3 copies with him. One copy goes on the crate, one copy with the driver, and one copy stays with Mr. Murphy as the RSO.

The crate was transported to the shipping department and left in a secure room. I left the facility to return to Cincinnati, Oh.

Radiation Safety Training	Yes	No	Leak Test Performed	Yes	No	Radation Survey	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
VEGA Americas, Inc believes strongly in the safe use of radioactive material by applying the ALARA principle. No comments, written or verbal, by any VEGA employee should be considered as a deviation from that philosophy or as permission to violate any regulation or condition of your license. Compliance with your license requirement and the appropriate regulations is your responsibility.								
Customer Signature				Service Representative				
				Printed name	Sean P. Collins			



LEAK TEST AND SOURCE HOLDER REPORT

Field Service Order Number:
4037669

Customer: Bayer US, Crop Science Division

TESTED BY S. Collins DATE 25-Sep-17

Address: Route 25 and I-64

RSO Joseph Murphy

Customer P.O. Number:
612624956

Institute, WV 25112

PHONE NO. 304 741 0049

Attn: Joseph Murphy

FAX NO. _____

E-MAIL joseph.murphy@bayer.com

A SOURCE THAT TESTS OKAY HAS REMOVABLE CONTAMINATION OF LESS THAN 0.005 MICROCURIES

WIPE NO.	SHOP ORDER	ISOTOPE	SERIAL #	mCi	SOURCE HOLDER	SHIP DATE	CUSTOMER SOURCE #	LEAK TEST PERFORMED	LEAK TEST RESULTS	SHUTTER OPERATION	HOLDER CONDITION	TAG CONDITION
1	6073379	Cs-137	0525CG	15	SH-F1A	Aug-06		NO		Locked	Slight Rust/Corrosion	Legible
2	6073379	Cs-137	67699	10	SH-F1A	Sep-06		NO		Locked	Slight Rust/Corrosion	Legible
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Leak Test Frequency

ears

Transfer

STRAIGHT BILL OF LADING - SHORT FORM

ORIGINAL - NOT NEGOTIABLE

___ 1 ___ OF ___ 1 ___

(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From:

Company Bayer US, Crop Science Division

Address:

Route 25 and I-64
Institute, WV 25112

The property described below, in apparent good order, except as noted (content 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 Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classifications or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns

Consigned to

QSA Global

Destination

6765 Langley Drive Baton Rouge, LA 70809

Route

No. Pkg.	H/ M	Kind of Packages, Description of Articles, Special Marks and Exceptions	*Weight Sub. to Cor.	Principal Radioactive Contents	Activity of Contents	T.I.	Type Label Radioactive
1 of 1	X	UN 3332, RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM ,7 1 Crate STC 2 CASK[S]	375#	Cs-137	0.925 GBq (25 mCi)	0.18	Yellow II
<p>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 applicable regulations of the Department of Transportation.</p> <p>24 Hour Emergency Contact: 304 741 0049</p>							

SHIPPER'S REF. NO. 4037669
MATERIAL RETURN AUTHORIZATION NO. 34614

Third Party Bill To:

Prepaid

Collect

SIGNATURE OF PERSON PREPARING THE SHIPMENT

Seamus P. Callahan

NAME OF COMPANY VEGA Americas, Inc.
PREPARING 4241 Allendorf Dr
SHIPMENT Cincinnati, OH 45209

RECEIVED BY _____
Received date _____

NAME AND ADDRESS OF OWNER/SHIPPER Bayer US, Crop Science Division
Route 25 and I-64
Institute, WV 25112

OWNER'S SIGNATURE *[Signature]*

Date signed 25-Sep-17

ECO NUMBER	SYM	REVISION	BY	Checked
1		Source: 06/09/2017	James	

F.S. # 4037669
MRA # 34614
Crate # 1of1

HIGHEST SURFACE FIELD (SEE NOTE #3) 4.8mR/Hr
TRANSPORT INDEX (SEE NOTE #3) .18 mR/Hr

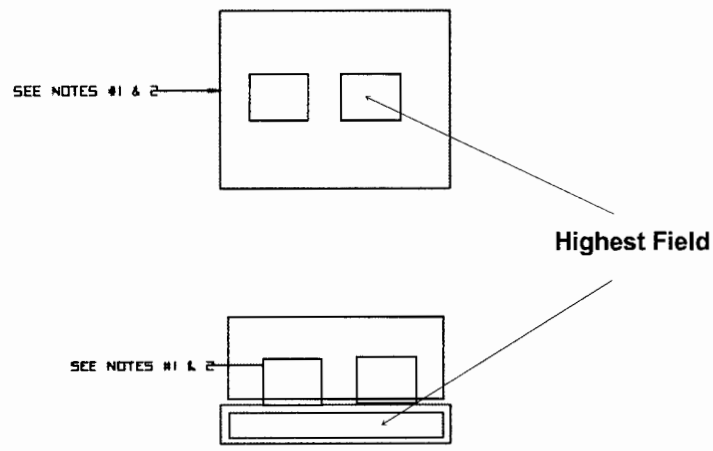
SOURCE HOLDER(S) PACKED ON SKID N/A IN BOX 2

#1 SO/CO # 6073379
SOURCE HOLDER LOCKED "OFF" YES
SOURCE HOLDER MODEL SH-F1A
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 15 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 0525CG
ORIGINAL SHIP DATE Sep-06
GROSS CONTAMINATION CHECKED YES
LEAK TEST PERFORMED Yes

#3 SO/CO # _____
SOURCE HOLDER LOCKED "OFF" _____
SOURCE HOLDER MODEL _____
SOURCE MATERIAL _____
SOURCE ACTIVITY _____ mCi (1 mCi=0,037GBq)
SOURCE SERIAL # _____
ORIGINAL SHIP DATE _____
GROSS CONTAMINATION CHECKED _____
LEAK TEST PERFORMED _____

#2 SO/CO # 6073379
SOURCE HOLDER LOCKED "OFF" Yes
SOURCE HOLDER MODEL SH-F1A
SOURCE MATERIAL Cs-137
SOURCE ACTIVITY 10 mCi (1 mCi=0,037GBq)
SOURCE SERIAL # 67699
ORIGINAL SHIP DATE Sep-06
GROSS CONTAMINATION CHECKED YES
LEAK TEST PERFORMED Yes

#4 SO/CO # _____
SOURCE HOLDER LOCKED "OFF" _____
SOURCE HOLDER MODEL _____
SOURCE MATERIAL _____
SOURCE ACTIVITY _____ mCi (1 mCi=0,037GBq)
SOURCE SERIAL # _____
ORIGINAL SHIP DATE _____
GROSS CONTAMINATION CHECKED _____
LEAK TEST PERFORMED _____



Survey Meter

MFG. SI
Model # Inspector
Serial # 36211
Last Calibration Date 12/29/2016
Survey By S. Collins Date 9/25/2017

LABELING

DOT TYPE 7A PACKAGE YES
OVERPACK N/A
HAZARDOUS MATERIAL IDENTIFICATION Yellow II
WHITE I N/A mR/hr SURFACE (SURFACE <0.5mR/hr)
YELLOW II 4.8 mR/hr SURFACE (0.5<SURFACE<50mR/hr)
REPORTABLE QUANTITY (RQ) NO

- NOTES:
1) INDICATE POSITION OF SOURCE HOLDER ON SKID OR IN BOX
2) CHECK EACH SOURCE HOLDER OR EACH SIDE OF BOX FOR THE HIGHEST SURFACE FIELD. INDICATE WHERE THIS FIELD IS LOCATED BY DRAWING AN ARROW ().
3) WRITE THE HIGHEST SURFACE FIELD READING IN THE FIELD AT THE TOP OF THIS FORM.
4) SURVEY AT 1 METER (39.4 INCHES) FROM THE SURFACE/EDGE OF THE PALLET/BOX AND PAY PARTICULAR ATTENTION TO THE AREA OUT FROM THE HIGHEST SURFACE FIELD. THE TRANSPORT INDEX IS THE DIMENSIONLESS NUMBER (ROUND UP TO THE FIRST DECIMAL PLACE) EXPRESSING THE MAXIMUM RADIATION LEVEL IN MILLIREM PER HOUR AT ONE METER (3.3 FEET) FROM THE EXTERNAL SURFACE OF PACKAGE.

USER NAME Bayer US, Crop Science Division
USER ADDRESS Route 25 and I-64
Institute, WV 25112
P. O. # 612624956
CONTACT Joseph Murphy
TELEPHONE # 304 741 0049

OHMART BAN NUMBER	
DRAWING NUMBER	<u>56508</u>
VEGA	
4241 Alford Drive Cincinnati, Ohio 45209 USA	
RETURNED - SOURCE PACKAGE RADIATION FIELD SURVEY	
THIS DOCUMENT INCLUDES INFORMATION WHICH IS PROPRIETARY TO OHMART. NEITHER THIS DOCUMENT NOR THE INFORMATION DISCUSSED HEREIN SHALL BE USED OR DISCLOSED TO OTHERS FOR MANUFACTURING OR ANY OTHER PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY OHMART. THIS DOES NOT APPLY TO INFORMATION FURNISHED BY VENDORS OR OTHERS OUTSIDE OHMART.	
OHMART Form C-54508	C-54508



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee Joseph Murphy HSE Manager Bayer CropScience LP P.O. Box 1005 Route 25 and I-64 Institute, WV 25112-1005	Date March 29, 2018
	License Number(s) 47-04373-01
	Mail Control Number(s) 602739
	Licensing and/or Technical Reviewer or Branch Commercial, Industrial, R&D, and Academic Branch NRC Form 314

This is to acknowledge receipt of your: Letter and/or Application Dated: 03/19/2018

The initial processing, which included an administrative review, has been performed.
 Amendment Termination New License Renewal

There were no administrative omissions identified during our initial review.

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
 Follow the instructions on the form for submission.

The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, (610) 337-5239