

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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-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

The Dow Chemical Company
500 Dow Industrial Drive
Pevely, MO 63070

LICENSE NUMBER

24-17763-02

DOCKET NUMBER

030-31371

LICENSE EXPIRATION DATE

08/31/2015

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:
See attached document.
 - b. Disposal of radioactive materials:
 - 1. Directly by the licensee:
 - 2. By licensed disposal site:
 - 3. By waste contractor:
Chase Environmental Group, Inc., 3501 Workman Road, Suite H, Knoxville, TN 37921 (865) 584-0833
- see enclosed documents
 - 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.

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
Mark Cann	RSO	(636) 479-2221	MJCann@Dow.com

Mail all future correspondence regarding this license to:

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE

Mark Cann (RSO)

SIGNATURE



DATE

3-17-2010

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.

The following is information regarding NRC form 314, part B, subsection 2.a. for the transfer of radioactive materials.

Date	Company	License	Address	Contact	Telephone no.
01/18/2010	Thermo Fisher Scientific	L03524	1410 Gillingham Ln. Sugar Land, TX 77478	Angelica Guidry	(800) 437-7979
03/01/2006	The Dow Chemical Co.	IL-01390-01	26332 S. Frontage Rd. Channahon, IL 60410	Timothy Waldvogel	(815) 423-2575

Documents are enclosed regarding these transfers.

ACKNOWLEDGMENT OF RECEIPT OF RADIOACTIVE MATERIAL

January 18, 2010

Mark Cann
Dow Chemical USA
500 Industrial Drive
Pevely, MO 63070

RMA Number 31329

Attention Mark Cann:

This is to certify that Thermo Fisher Scientific has received and accepted ownership of the radioactive material described below pursuant to applicable regulations and as authorized by our Texas Radioactive Material License L03524.

Manufacturer	Model	Serial	Isotope	Source	Activity Units	Assay
TN TECHNOLOGIES	5205	B447	Cs-137	GV-2492	100 mCi	12/13/1988
TN TECHNOLOGIES	5206	B229	Cs-137	MB-4726	500 mCi	1/21/1985
Summary (2 sources)					600 mCi	

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you are not the Radiation Safety Officer or responsible for maintaining regulatory records for radioactive material, please forward this letter to the appropriate person.

If you have any questions or require additional assistance, please contact us at (800) 437-7979 or (713) 272-0404.

Sincerely,
Thermo Fisher Scientific



Angelica Guidry
Nuclear Services Specialist

Gauge Inspection and Leak Test Certificate	System Information	Five Point Safety Check
<p>USER Company : DOW Chemical Address : 500 DOW Chemical City : Pevely State : MO Zip: 63070</p> <p>PRODUCT Brand : Texas Nuclear Model : 5205 Serial: B447 Location : Sent to Sugarland Texas Tag : For Disposal Isotope : <input checked="" type="checkbox"/> Cs-137 <input type="checkbox"/> Co-60 <input type="checkbox"/> Am-241-Be Activity : 100mCi Assay: 12/88</p> <p>SURVEY METER <small>(req'd for leak test certification only)</small> Brand : TN Technologies Model : 200X Serial: C035B Cal. Date : 22-Sep-09 Backgnd : .02 mr/hr</p> <p>LEAK TEST <input type="checkbox"/> Not performed <input checked="" type="checkbox"/> Measured <0.005 uCi <input type="checkbox"/> Measured >0.005 uCi CONTACT RSO</p> <p>PERFORMED BY Company : Thermo Fisher Name : Scott Scheu Date : 12/22/09 Signature: <i>[Signature]</i></p>	<p>APPLICATION</p> <p><input type="checkbox"/> point level <input type="checkbox"/> dual point level <input type="checkbox"/> continuous level <input checked="" type="checkbox"/> density <input type="checkbox"/> neutron backscatter <input type="checkbox"/> weigh scale <input type="checkbox"/> strip source <input type="checkbox"/> insertion source <input type="checkbox"/> analyzer</p> <p>STATUS</p> <p><input type="checkbox"/> in use <input checked="" type="checkbox"/> mounted but not in use <input checked="" type="checkbox"/> unlocked <input type="checkbox"/> locked off <input type="checkbox"/> in storage</p>	<p>(1) NAMEPLATE <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs cleaning <input type="checkbox"/> needs to be replaced</p> <p>(2) ON/OFF INDICATOR <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs cleaning <input type="checkbox"/> needs to be replaced</p> <p>(3) SHUTTER LOCK <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs to be replaced</p> <p>(4) SHUTTER OPERATION <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs cleaning <input type="checkbox"/> needs lubrication <input checked="" type="checkbox"/> survey <input type="checkbox"/> stuck on <input type="checkbox"/> response <input type="checkbox"/> stuck off <input type="checkbox"/> missing</p> <p>(5) OVERALL CONDITION <input checked="" type="checkbox"/> okay <input type="checkbox"/> severe corrosion <input type="checkbox"/> mild to moderate corrosion <input type="checkbox"/> needs to be replaced</p>
<p>COMMENTS:</p>		

Thermo MeasureTech

1410 Gillingham Lane
 Sugar Land, Texas 77478
 800-437-7979 or 713-272-0404

Instructions: This form is/may be used to record the visual inspection and leak testing of a nuclear gauge. A preprinted inventory label may be placed over the user and product information blanks for convenience. When this form is used for leak test certification, the survey meter information must be completed. As you complete the inspection, check all of the blanks that apply. Use comments to document the findings and/or recommended corrective actions as needed.

This record is important and must be kept on file for inspection by the regulatory agency.
 ©2006 Thermo Fisher Scientific
 24 hour Emergency 1-800-437-7979
<http://www.thermo.com> NGI-ILT v1.2

Gauge Inspection and Leak Test Certificate	System Information	Five Point Safety Check
<p>USER Company : DOW Chemical Address : 500 DOW Chemical City : Pevely State : MO Zip: 63070</p> <p>PRODUCT Brand : Texas Nuclear Model : 5206 Serial: B229 Location : Sent to Sugarland Texas Tag : For Disposal Isotope : <input checked="" type="checkbox"/> Cs-137 <input type="checkbox"/> Co-60 <input type="checkbox"/> Am-241-Be Activity : 500mCi Assay: 01/85</p> <p>SURVEY METER <small>(req'd for leak test certification only)</small> Brand : TN Technologies Model : 200X Serial: C035B Cal. Date : 22-Sep-09 Backgnd : .02 mr/hr</p> <p>LEAK TEST <input type="checkbox"/> Not performed <input checked="" type="checkbox"/> Measured <0.005 uCi <input type="checkbox"/> Measured >0.005 uCi CONTACT RSO</p> <p>PERFORMED BY Company : Thermo Fisher Name : Scott Scheu Date : 12/22/09 Signature: <i>[Signature]</i></p>	<p>APPLICATION</p> <p><input type="checkbox"/> point level <input type="checkbox"/> dual point level <input type="checkbox"/> continuous level <input checked="" type="checkbox"/> density <input type="checkbox"/> neutron backscatter <input type="checkbox"/> weigh scale <input type="checkbox"/> strip source <input type="checkbox"/> insertion source <input type="checkbox"/> analyzer</p> <p>STATUS</p> <p><input type="checkbox"/> in use <input checked="" type="checkbox"/> mounted but not in use <input checked="" type="checkbox"/> unlocked <input type="checkbox"/> locked off <input type="checkbox"/> in storage</p> <p>COMMENTS:</p>	<p>(1) NAMEPLATE <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs cleaning <input type="checkbox"/> needs to be replaced</p> <p>(2) ON/OFF INDICATOR <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs cleaning <input type="checkbox"/> needs to be replaced</p> <p>(3) SHUTTER LOCK <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs to be replaced</p> <p>(4) SHUTTER OPERATION <input checked="" type="checkbox"/> okay <input type="checkbox"/> needs cleaning <input type="checkbox"/> needs lubrication <input checked="" type="checkbox"/> survey <input type="checkbox"/> stuck on <input type="checkbox"/> response <input type="checkbox"/> stuck off <input type="checkbox"/> missing</p> <p>(5) OVERALL CONDITION <input checked="" type="checkbox"/> okay <input type="checkbox"/> mild to moderate corrosion <input type="checkbox"/> severe corrosion <input type="checkbox"/> needs to be replaced</p>

Thermo MeasureTech

1410 Gillingham Lane
 Sugar Land, Texas 77478
 800-437-7979 or 713-272-0404

Instructions: This form is/may be used to record the visual inspection and leak testing of a nuclear gauge. A preprinted inventory label may be placed over the user and product information blanks for convenience. When this form is used for leak test certification, the survey meter information must be completed. As you complete the inspection, check all of the blanks that apply. Use comments to document the findings and/or recommended corrective actions as needed.

This record is important and must be kept on file for inspection by the regulatory agency.
 ©2006 Thermo Fisher Scientific
 24 hour Emergency 1-800-437-7979
<http://www.thermo.com> NG-ILT v1.2

Cann, Mark (MJ)

From: Waldvogel, Timothy (T)
Sent: Tuesday, March 16, 2010 1:15 PM
To: Cann, Mark (MJ)
Cc: Kuhn, Greg (GG)
Subject: Radiation Source# B9-727

Mark,

The Joliet Styrofoam records show that Source # B9-727 was received from the Pevely, Missouri plant on 3-1-2006 via Jerry Cassidy.

Tim Waldvogel
Radiation Safety Officer
The Dow Chemical Company
Joliet Styrofoam Plant
26332 South Frontage Rd.
Channahon, Illinois 60410
1-815-423-2575

RADIOACTIVE MATERIAL SHIPMENT FORM

1. SHIPPING INFORMATION

Company: The Dow Chemical Company
Address: 26332 S. Frontage Rd.

City/State/Zip: Channahon, IL 60410
Attn: Arlen Lang, RSO

EMERGENCY NUMBER: 800 424-9300

Shipper: Jerry Cassidy
Building: 1803 Building
Phone: 989-636-3463
Cost Center:

2. LICENSE INFORMATION

Receiver License Number:
IL-01390-01

Dow Site License Number: (Shipper)
24-17763-02

3. MATERIAL INFORMATION

Proper Shipping Name: Radioactive Material,
UN Number: 2910 Hazard Class: 7
Technical or Chemical Name: Cd-109
Physical Form: [] Liquid [X] Solid
Description of Material: Isotope Product Labs
Is this a Reportable Quantity? [] Yes [X] No
Radionuclide: Cd-109
Radioactive Material Form: [] Special (A1)

Excepted Package - Limited Quantity

[] Gas
Model XFB-5 Cd-109 Source
RQ () Radionuclide
Activity 370 MBq (10 mCi)
Activity MBq (mCi)
Activity MBq (mCi)
[X] Normal (A2)

4. RADIATION MEASUREMENTS

Dose Rates (mR/hr)

Transport Index: mR/hr @ 1 meter
Removable Surface Contamination

At Package Surface: At 1 Meter:
At 10 cm from unpackaged instrument:
(Rounded up to 1st decimal place)
Alpha: Beta/Gamma: (dpm/100 cm²)

5. MARKING EXTERIOR OF PACKAGE

- [X] Excepted Package: UN ID Number and
[] Type A Package: The following exterior
• Shipping name and UN identification
number
• RQ (if package is a reportable quantity)
• Technical or chemical name
• Name and Address of Receiver

(check if applicable):

- Name and Address of Shipper and Receiver.
markings are required on the package.
• Gross weight of package (if over 110 lbs)
• USA DOT-7A TYPE A (in 1/2" letters)
• For liquids add ↑↑ on two opposite vertical sides
• Name and Address of Shipper

6. LABELING EXTERIOR OF PACKAGE

[X] None Required [] White I [] Yellow II [] Yellow III

7. CERTIFICATIONS

- [X] Excepted Package: This package conforms to the conditions and limitations specified in:
[X] 49 CFR 173.421 for radioactive material, excepted package - limited quantity of material, UN2910
[] 49 CFR 173.424 for radioactive material, excepted package - instruments or articles, UN2911
[] 49 CFR 173.426 for radioactive material, excepted package - articles manufactured from natural or
depleted uranium or natural thorium, UN2909

[] Type A Package - 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

8. SIGNATURES

Radiation Safety Officer Name: Mark Cann Phone: 636-479-2221

Radiation Safety Officer Signature: Mark Cann Date: 2/28/2006

Shipper Signature: Jerry S. Cassidy Phone: 989-636-3463 Date: 2/28/06

CUSTOMER REQUEST **DOW CHEMICAL U.S.A**
H & ES ANALYTICAL CHEMISTRY LABORATORY

ES-AL NUMBER: 4649

LS: 6002-2298

Date: 2-1-2006	Plant Code: 02	Cost Center: 9852	Project/Task:	Date Needed By: 2-20-06	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: <i>Wipe Test for Radioactivity</i>					
SAMPLE NUMBER(S): <i>B9-727</i>					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
<i>Mark Cann</i>				<i>636-479-2221</i>	
RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.		
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
<i>Please analyze for Radioactivity</i>					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE ($2.3 \times 10^{-5} \mu\text{Ci/wipe}$) INITIAL <i>Rad</i> DATE <i>02/08/06</i>					
SIGNATURE: <i>Lisa Douglass</i>		PHONE: <i>8-8432</i>		BUILDING: <i>1803</i>	
DATE FINISHED: <i>02/08/06</i>	HOURS: <i>1</i>	RESULTS PHONED: <i>02/08/09 Rad</i>	REVIEWED BY: <i>S. Hansen</i>		

2-9-06



CHASE ENVIRONMENTAL GROUP, INC.
waste services, remediation & consulting

3501 Workman Road, Suite H
Knoxville, TN 37921

(865) 584-0833
FAX (865) 584-1961

May 11, 2006

Mark Cann
The Dow Chemical Co.
500 Dow Industrial Drive
Pevely, MO 63070

Dear Mark,

Enclosed please find a copy of the signed NRC Form 540 for the following manifest number:

AL-2006-058

This acknowledges receipt by Alaron Corp. on April 18, 2006 of material delivered to Alaron from your facility. If you have any questions concerning this shipment, please call us toll-free at 877-389-2124.

We appreciate the opportunity to be of service to Dow Chemical and look forward to working with you in the future.

Sincerely,

Gina O'Neil
Customer Service Representative



ACKNOWLEDGEMENT OF RECEIPT OF RADIOACTIVE MATERIAL

May 11, 2006

Mark Cann
The Dow Chemical Co.
500 Dow Industrial Drive
Pevely, MO 63070

Manifest # AL-2006-058

Dear Mr. Cann:

This letter is to certify that Alaron Corporation has received and accepted ownership of the radioactive material on manifest number AL-2006-058 pursuant to applicable regulations and as authorized by our NRC Radioactive Material License 37-20826-01.

This receipt should be retained in your files as a permanent record showing the disposition of this radioactive material. If you have any questions or require additional assistance, please contact us at (724) 535-5777.

Sincerely,
Alaron Corporation

A handwritten signature in black ink, appearing to read "Joe Harverson", written in a cursive style.

Joseph M. Harverson
President

2138 STATE ROUTE 18
WAMPUM, PENNSYLVANIA 16157
(724) 535-5777
FAX (724) 535-1165
www.alaron-nuclear.com

6359 DERBY SHIRE LANE
LOVELAND, OHIO 45140
(513) 583-1744
FAX (513) 583-8505
www.alaron-nuclear.com

5. CONTAINER IDENTIFICATION NUMBER/GENERATOR NUMBER		6. CONTAINER DESCRIPTION (See Note 1)	7. VOLUME (m ³)	8. WASTE AND CONTAINER WEIGHT (kg)	9. SURFACE RADIATION LEVEL X _{0.04m} mSv/hr	10. SURFACE CONTAMINATION MBq/100 cm ²		11. WASTE DESCRIPTION					14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION			16. WASTE CLASS
AL-SD-B-06-129/0411		4	0.019	2.0	<5.0	<3.67E-6	<3.67E-5	11. WASTE DESCRIPTION (See Note 2)	12. Applicable WASTE VOLUME (m ³)	13. ISOPRESENT SOLIDIFICATION STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM / CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT			CLASSIFICATION		
								36	0.019	100	Oxide/NP	NP	Nuclide	MBq	mCi	NA		
													Co-106	9.36E+00	2.53E-01	NA		
													Package total	9.36E+00	2.53E-01			

NOTE 1: Container Description Codes. For containers used in regulated disposal in approved structural enclosures, the numerical code must be followed by "QP".

1. Wooden Box or Crate	8. Drums/Barrel	15. Other (Describe in Note 6, or additional page)
2. Metal Box	10. Gas Cylinder	
3. Plastic Drum or Pail	11. Bag, Unpackaged Waste	
4. Metal Drum or Pail	12. Unpackaged Composites	
5. Metal Sack or Liner	13. High Integrity Container	
6. Chemical Tank or Line	16. Other (Describe in Note 6, or additional page)	
7. Paper Pulp Tank or Liner		
8. Fiberglass Tank or Liner		

Note 2: Waste Descriptors. Codes (Check + up to three which apply to waste).

20. Chemical	28. Sanitary Waste	36. Emergency Release/Spillage Contaminant
21. Incinerator Ash	29. Other Ion Exchange Media	37. Compressible Trash
22. Slud	31. Activated Exchange Media	38. Noncompressible Trash
23. Gas	32. Mixed Bed Ion Exchange Media	39. Other (Describe in Note 11, or Additional Page)
24. Oil	33. Other (Describe in Note 11, or Additional Page)	
25. Aqueous Liquid	34. Organic Liquid (Does Not Dry)	
26. Fibrous Material	35. Other (Describe in Note 11, or Additional Page)	
27. Miscellaneous Other		

Note 3: For solidification media that meet disposal site structural stability requirements, the container code must be followed by "E".

60. Speed Cr	66. Flyash	72. Slag/Slurry	80. Other (Describe in Note 13, or additional page)
61. Cement	67. Phosphor	73. Portland	
62. Floor Dry	68. Solid-A Salt	74. Apposeal	
63. H Di	69. Chemical SD	75. Apposeal II	
64. Salt-T-Sorb	70. Chemical SD		
65. Salt-N-D6	71. Chemical SD		

NRC FORM 541 US NUCLEAR REGULATORY COMMISSION		1. MANIFEST TOTALS					2. MANIFEST NUMBER	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION	NUMBER OF PACKAGES	NET WASTE VOL. m ³	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams)			AL-2006-058	
	1	0.019	2.0	U-233 NP	U-235 NP	Pu NP		TOTAL NP
				ACTIVITY (MBq/mCi)			SOURCE (kg)	
ALL NUCLIDES		TRITIUM	C-14	To-99	I-129	NP	4. SKIPPER NAME Chase Env. Group	
9.36E+00 MBq		NP	NP	NP	NP	NP	SHIPPER ID NUMBER N/A	
2.53E-01 mCi								

NRC FORM 542 (5-1995) U.S. NUCLEAR REGULATORY COMMISSION

UNIFORM NARM RADIOACTIVE WASTE MANIFEST

MANIFEST INDEX AND REGIONAL COMPACT TABULATION
List all original "PROCESSED WASTE" before "COLLECTED WASTE".

1. WASTE COLLECTOR/PROCESSOR				2. MANIFEST NUMBER						
NAME Chase Environmental Group, Inc.				SHIPPER USE ONLY						
IDENTIFICATION NUMBER T-KY003-L06										
SHIPPING DATE 4/12/2006										
				AL-2006-058						
				PAGE_1_OF_1_PAGE(S)						
4. GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMIT NUMBER AND TELEPHONE NUMBER	6. GENERATOR FACILITY ADDRESS	7. PREP/PROCESSED WASTE (OR MATERIAL) VOLUME (m ³)	8. PREP/PROCESSED WASTE NUMBER, VOLUME (OR MATERIAL) RECEIVED AND DATE OF RECEIPT	9. WASTE CODE	10. REGULATORY COMPACT OR STATE	11. AS PROCESSED/COLLECTED TOTAL			
							A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq)	D. VOLUME (m ³)
0411	Dow Chemical Company 636-479-2221	500 Dow Industrial Drive Pevely, MO 63070	0.019	NA	C	MO	NP	NP	9.36E+00	0.019
TOTALS OF ALL PAGES (NRC FORMS 542 AND 542A)							0.00E+00	0.000	9.36E+00	0.019

CUSTOMER REQUEST DOW CHEMICAL U.S.A.
H & ES ANALYTICAL CHEMISTRY LABORATORY

ESAL NUMBER 4659
LS 6002: 2314

Date: 3-6-06	Plant Code: YQ	Cost Center: 0282	Project Task:	Date Needed By: 3-17-06	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: WIPE Test for Radioactivity					
SAMPLE NUMBER(S): 2097 LY					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
Mark Cann				636-479-2221	
RELATIVE ERROR SUFFICIENT, ETC.		APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.	
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
Please analyze for Radioactivity					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE (2.3 x 10⁻⁵ μCi/wipe) INITIAL LaR DATE 03/09/06					
SIGNATURE: Lisa Douglass		PHONE: 638-8432		BUILDING: 1803	
DATE FINISHED: 03/09/06	HOURS: 1	RESULTS PHONED: e-mailed	REVIEWED BY: SCH		

03/09/06 LaR 3-9-06

CUSTOMER REQUEST DOW CHEMICAL U.S.A
H & ES ANALYTICAL CHEMISTRY LABORATORY

ES-AL NUMBER 4656
LS 6002: 2315

Date: 3-6-06	Plant Code: YQ	Cost Center: 0282	Project Task:	Date Needed By: 3-17-06	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: Wipe test for Radioactivity					
SAMPLE NUMBER(S): 2098 LY					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
Mark Cann				636-479-2221	
RELATIVE ERROR SUFFICIENT, ETC.		APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.	
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
Please analyze for Radioactivity					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE (2.3 x 10⁻⁵ µCi/wipe) INITIAL LaS DATE 03/09/06					
SIGNATURE: Lisa Douglass		PHONE: 638-8432		BUILDING: 1803	
DATE FINISHED: 03/09/06	HOURS: 1	RESULTS PHONED: e-mailed	REVIEWED BY: SC Hansen		

03/09/06 LaS 3-9-06

CUSTOMER REQUEST DOW CHEMICAL U.S.A.
H & ES ANALYTICAL CHEMISTRY LABORATORY

PSAL NUMBER 4657
IS 6002: 2316

Date: 3-6-06	Plant Code: YQ	Cost Center: 0282	Project Task:	Date Needed By: 3-17-06	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: <i>Wipe test for Radioactivity</i>					
SAMPLE NUMBER(S): <i>2099LY</i>					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
<i>Mark Cann</i>				<i>636-479-2221</i>	
RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.		
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
<i>Please analyze for Radioactivity</i>					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE ($2.3 \times 10^{-3} \mu\text{Ci/wipe}$) INITIAL <i>LaR</i> DATE <i>03/09/06</i>					
SIGNATURE: <i>Lisa Douglas</i>	PHONE: <i>638-8432</i>	BUILDING: <i>1803</i>			
DATE FINISHED: <i>03/09/06</i>	HOURS: <i>1</i>	RESULTS PHONED: <i>e-mailed</i>	REVIEWED BY: <i>SCH</i>		
			<i>03/09/06 LaR</i>		
			<i>3-9-06</i>		

CUSTOMER REQUEST
H & ES ANALYTICAL CHEMISTRY LABORATORY

DOW CHEMICAL U.S.A

ES-AL NUMBER 4613

LS: 6112-2246

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
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SAMPLE OF: Wipe test of Radioactivity

SAMPLE NUMBER(S): 9823 LU

SAFETY HAZARDS

<input type="checkbox"/> Toxic	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Low Flash Point
<input type="checkbox"/> Explosive	<input type="checkbox"/> Spontaneous Flammable	<input type="checkbox"/> Non-Hazardous
<input type="checkbox"/> Lachrymator		<input type="checkbox"/> Unusual Chemical Reactive

NAME	DEPARTMENT	BUILDING	DOOR	PHONE
<u>Mark Cann</u>				<u>636-479-2221</u>

RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.	LOWER LIMIT, ETC.
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ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.

Please Analyze for Radioactivity

RESULTS:

**ALL WIPES BELOW
DETECTION LIMIT OF
50 dpm/WIPE (2.3 x 10⁻³ µCi/wipe)**
INITIAL SM DATE 11/09/05

SIGNATURE: <u>Andrew McAlley</u>	PHONE: <u>638-8432</u>	BUILDING: <u>1803</u>
DATE FINISHED: <u>11/09/05</u>	HOURS: <u>1</u>	RESULTS PHONED: REVIEWED BY: <u>SC Hansen</u>

11-11-05

CUSTOMER REQUEST **DOW CHEMICAL U.S.A**
H & ES ANALYTICAL CHEMISTRY LABORATORY

ES-AL NUMBER: 4612
 LS (X) 2: 2245

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: <u>Wipe test of Radioactivity</u>					
SAMPLE NUMBER(S): <u>9822 LU</u>					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
<u>Mark Cann</u>				<u>636-479-2221</u>	
RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.		
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
<u>Please Analyze for Radioactivity</u>					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE (2.3×10^{-3} μCI/wipe) INITIAL <u>AM</u> DATE <u>11/09/05</u>					
SIGNATURE: <u>Anthony M. Kelley</u>	PHONE: <u>638-8432</u>	BUILDING: <u>1803</u>			
DATE FINISHED: <u>11/09/05</u>	HOURS: <u>1</u>	RESULTS PHONED:	REVIEWED BY: <u>SC Hansen</u> <u>11-11-05</u>		

CUSTOMER REQUEST
H & ES ANALYTICAL CHEMISTRY LABORATORY

DOW CHEMICAL U.S.A

ES-AL NUMBER: 4611

LS 6002 2244

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
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SAMPLE OF: wipe test of Radioactivity
 SAMPLE NUMBER(S): 8087 LU

SAFETY HAZARDS

<input type="checkbox"/> Toxic	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Low Flash Point
<input type="checkbox"/> Explosive	<input type="checkbox"/> Spontaneous Flammable	<input type="checkbox"/> Non-Hazardous
<input type="checkbox"/> Lachrymator		<input type="checkbox"/> Unusual Chemical Reactive

NAME	DEPARTMENT	BUILDING	DOOR	PHONE
<u>Mark Cann</u>				<u>636-479-2221</u>

RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.	LOWER LIMIT, ETC.
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ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.

Please Analyze for Radioactivity

RESULTS:

**ALL WIPES BELOW
 DETECTION LIMIT OF
 50 dpm/WIPE (2.3×10^{-5} μ CI/wipe)**
 INITIAL SM DATE 11/09/05

SIGNATURE: <u>Sandra YMY Valley</u>	PHONE: <u>638-8432</u>	BUILDING: <u>1803</u>
DATE FINISHED: <u>11/09/05</u>	HOURS: <u>1</u>	RESULTS PHONED:
		REVIEWED BY: <u>SCHensen</u>

11-11-05

CUSTOMER REQUEST
H & ES ANALYTICAL CHEMISTRY LABORATORY

DOW CHEMICAL U.S.A

ES-AL NUMBER: 4660

LS: 18/11/05-2243

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: <u>Wipe test of Radioactivity</u>					
SAMPLE NUMBER(S): <u>7094 L4</u>					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
<u>Mark Cann</u>				<u>636-479-2221</u>	
RELATIVE ERROR SUFFICIENT, ETC.		APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.	
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
<u>Please Analyze for Radioactivity</u>					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE (2.3 x 10⁻⁵ µCi/wipe) INITIAL <u>AM</u> DATE <u>11/09/05</u>					
SIGNATURE: <u>Sunday M. Kallen</u>		PHONE: <u>638-8432</u>		BUILDING: <u>1803</u>	
DATE FINISHED: <u>11/09/05</u>		HOURS: <u>1</u>		RESULTS PHONED:	
				REVIEWED BY: <u>S Hansen</u>	

11-011-05
 SCH 11/11/05 corrected

CUSTOMER REQUEST
DOW CHEMICAL U.S.A
H & ES ANALYTICAL CHEMISTRY LABORATORY

ES-AL NUMBER 4609
 LS LS/11/05-2242

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
SAMPLE OF: <u>Wipe test of Radioactivity</u>					
SAMPLE NUMBER(S): <u>709344</u>					
SAFETY HAZARDS					
<input type="checkbox"/> Toxic		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Low Flash Point	
<input type="checkbox"/> Explosive		<input type="checkbox"/> Spontaneous Flammable		<input type="checkbox"/> Non-Hazardous	
<input type="checkbox"/> Lachrymator				<input type="checkbox"/> Unusual Chemical Reactive	
NAME	DEPARTMENT	BUILDING	DOOR	PHONE	
<u>Mark Cann</u>				<u>636-479-2221</u>	
RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.		LOWER LIMIT, ETC.		
ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.					
<u>Please Analyze for Radioactivity</u>					
RESULTS:					
ALL WIPES BELOW DETECTION LIMIT OF 50 dpm/WIPE (2.3 x 10⁻⁵ μCi/wipe) INITIAL <u>SM</u> DATE <u>11/09/05</u>					
SIGNATURE: <u>Shirley M. Kelly</u>		PHONE: <u>638-8432</u>		BUILDING: <u>1803</u>	
DATE FINISHED: <u>11/09/05</u>		HOURS: <u>1</u>		RESULTS PHONED:	
				REVIEWED BY: <u>SCHansen</u>	

11-11-05

CUSTOMER REQUEST **DOW CHEMICAL U.S.A**
H & ES ANALYTICAL CHEMISTRY LABORATORY

ES-AL NUMBER 4601
LS 6012: 2232

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
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SAMPLE OF: wipe test of Radioactivity
 SAMPLE NUMBER(S): 4601LU

SAFETY HAZARDS

<input type="checkbox"/> Toxic	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Low Flash Point
<input type="checkbox"/> Explosive	<input type="checkbox"/> Spontaneous Flammable	<input type="checkbox"/> Non-Hazardous
<input type="checkbox"/> Lachrymator		<input type="checkbox"/> Unusual Chemical Reactive

NAME	DEPARTMENT	BUILDING	DOOR	PHONE
<u>Mark Cann</u>				<u>636-479-2221</u>

RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.	LOWER LIMIT, ETC.
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ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.

Please Analyze for Radioactivity

RESULTS:

**ALL WIPES BELOW
 DETECTION LIMIT OF
 50 dpm/WIPE (2.3 x 10⁻³ μCi/wipe)**
 INITIAL MM DATE 11/07/05

SIGNATURE: <u>Andrew M. Valley</u>	PHONE: <u>638-8432</u>	BUILDING: <u>1803</u>
DATE FINISHED: <u>11/07/05</u>	HOURS: <u>1</u>	RESULTS PHONED: <input type="checkbox"/>
		REVIEWED BY: <u>SCHansen</u>

11-7-05

CUSTOMER REQUEST **DOW CHEMICAL U.S.A**
H & ES ANALYTICAL CHEMISTRY LABORATORY

ES-AL NUMBER 4602
 IS 602: 2233

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
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SAMPLE OF: Wipe test of Radioactivity
 SAMPLE NUMBER(S): 4600 LU

SAFETY HAZARDS

<input type="checkbox"/> Toxic	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Low Flash Point
<input type="checkbox"/> Explosive	<input type="checkbox"/> Spontaneous Flammable	<input type="checkbox"/> Non-Hazardous
<input type="checkbox"/> Lachrymator		<input type="checkbox"/> Unusual Chemical Reactive

NAME	DEPARTMENT	BUILDING	DOOR	PHONE
<u>Mark Cann</u>				<u>636-479-2221</u>

RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.	LOWER LIMIT, ETC.
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ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.

Please Analyze for Radioactivity

RESULTS:

**ALL WIPES BELOW
 DETECTION LIMIT OF
 50 dpm/WIPE (2.3 x 10⁻⁴ µCi/wipe)
 INITIAL AM DATE 11/07/05**

SIGNATURE: <u>Christy Mally</u>	PHONE: <u>638-8432</u>	BUILDING: <u>1803</u>
DATE FINISHED: <u>11/07/05</u>	HOURS: <u>1</u>	RESULTS PHONED:
		REVIEWED BY: <u>SC Hansen</u>

11-7-05

CUSTOMER REQUEST
H & ES ANALYTICAL CHEMISTRY LABORATORY

DOW CHEMICAL U.S.A

ES-AL NUMBER 4603

LS: 6122-2234

Date: <u>10-28-05</u>	Plant Code: <u>YQ</u>	Cost Center: <u>0282</u>	Project/Task:	Date Needed By:	<input type="checkbox"/> Return Sample <input checked="" type="checkbox"/> Discard Sample
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SAMPLE OF: Wipe test of Radioactivity

SAMPLE NUMBER(S): 47224

SAFETY HAZARDS

<input type="checkbox"/> Toxic	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Low Flash Point
<input type="checkbox"/> Explosive	<input type="checkbox"/> Spontaneous Flammable	<input type="checkbox"/> Non-Hazardous
<input type="checkbox"/> Lachrymator		<input type="checkbox"/> Unusual Chemical Reactive

NAME	DEPARTMENT	BUILDING	DOOR	PHONE
<u>Mark Cann</u>				<u>636-479-2221</u>

RELATIVE ERROR SUFFICIENT, ETC.	APPROXIMATE LEVEL, ETC.	LOWER LIMIT, ETC.
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ANALYSIS REQUEST AND REASON FOR REQUEST. (PLANT OR PROJECT RELATED). INDICATE DOLLAR (\$) VALUE TO DOW.

Please Analyze for Radioactivity

RESULTS:

**ALL WIPES BELOW
DETECTION LIMIT OF
50 dpm/WIPE (2.3 x 10⁻³ μCi/wipe)
INITIAL DXM DATE 11/07/05**

SIGNATURE: <u>Lindsay D. Hall</u>	PHONE: <u>638-8432</u>	BUILDING: <u>1823</u>
DATE FINISHED: <u>11/07/05</u>	HOURS: <u>1</u>	RESULTS PHONED: REVIEWED BY: <u>SC Hansen</u>

11-7-05



The Dow Chemical Co,
500 Dow Industrial Dr.
Pevely, MO 63070



**RETURN RECEIPT
REQUESTED**

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

