



U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration SEP 1 4 2018

Mr. Billy H. Freeman
Deputy Director for Field Operations
Division of Radiological Health
Tennessee Department of Environment & Conservation
3711 Middlebrook Pike
Knoxville, TN 37921

Reference No. 18-0016

Dear Mr. Freeman:

This letter is in response to your February 2, 2018, email and enclosed letter requesting clarification of the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180) applicable to the requirements for Class 7 (radioactive) materials prescribed in § 173.447. Specifically, you ask if § 173.447 of the HMR is applicable to FedEx's storage of damaged radioactive shipments while waiting for a licensed (Nuclear Regulatory Commission (NRC) or Agreement State) entity to come to FedEx to repackage and ship the damaged package.

Section 173.447 prescribes rules for the temporary storage during transportation of packages and overpacks bearing FISSILE labels, and requires that packages containing radioactive materials that are transported by vessel comply with the storage requirements prescribed in 49 CFR Part 176, subpart M. Section 173.447 does not apply to Agreement State-licensed facilities, the NRC, or U.S. Government-owned or contracted facilities.

Section 173.447 of the HMR does not apply to FedEx's storage of the shipments you described because the packages and overpacks in the damaged shipments were not labeled as fissile material, and the shipments were not transported by vessel. FedEx's storage of these radioactive materials for repackaging and shipment by a licensed entity meets the definition of "storage incidental to movement" under the HMR (see 49 CFR § 171.8). Your letter states that FedEx does not have a radioactive materials license from the state of Tennessee.

You also state FedEx staff told your company that new Federal Aviation Administration (FAA) limitations imposed on radioactive materials do not permit these materials to be repacked and sent to their destinations when they are found in damaged packages. For information on the

FAA's oversight of these materials, you may wish to contact Mr. Stan Satchell, Section J Manager, Office of Hazardous Materials Safety, FAA, Memphis, TN, 901-322-8160, or by email at Stan.Satchell@faa.gov.

I hope this information is helpful. Please contact us if we can be of further assistance.

Sincerely,

T. Glenn Foster

Chief, Regulatory Review and Reinvention Branch

Standards and Rulemaking Division

Edmonson \$173.447 Applicability 18-0016

From: Stevens, Michael (PHMSA)

Sent: Monday, February 05, 2018 8:27 AM

To: Billy Freeman

Cc: Dodd, Alice (PHMSA); Foster, Glenn (PHMSA)

Subject: RE: Regulatory Interpretation

Good Morning Mr. Freeman,

I will have your request for clarification logged into our system and assigned to a specialist for a response.

Regards,

Michael

From: Billy Freeman [mailto:Billy.Freeman@tn.gov]

Sent: Friday, February 02, 2018 2:31 PM

To: Stevens, Michael (PHMSA) <michael.stevens@dot.gov>

Cc: Simmons, James (FMCSA) <james.simmons@dot.gov>; Mann, Stephanie (FMCSA) <stephanie.mann@dot.gov>

Subject: Regulatory Interpretation

Mr. Stevens,

I am writing to request the advice of USDOT. The first attachment (pdf) is my formal request. The second is from Stephanie Mann, Division Administrator, FMCSA Tennessee, who recommended I contact you. And the last two provide examples of material that is being stored at Fed awaiting shipment.

Don't hesitate to call if you would like to discuss.

I look forward to hearing from you.

Tranks in advance,

Billy



Billy H. Freeman | Deputy Director for Field Operations Division of Radiological Health 3711 Middlebrook Pike, Knoxville, TN 37921 p. 865-594-5518

n. otto-254-5519

billy.freeman@tn.gov

http://www.tn.gov/environment/section/rh-radiological-health

Tell us how we're doing! Please take 5-10 minutes to complete TDEC's Customer Service Survey



STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION KNOXVILLE ENVIRONMENTAL FIELD OFFICE

3711 MIDDLEBROOK PIKE KNOXVILLE, TENNESSEE 37921-6538

PHONE (865) 594-6035 STATEWIDE 1-888-891-8332

FAX (865) 594-6105

Standards and Rulemaking Division
Office of Hazardous Materials Safety
Pipeline and Hazardous Materials Safety Administration
U.S. Department of Transportation
1200 New Jersey Avenue, SE (E24-409)
Washington, DC 20590

Attention: Michael Stevens, Transportation Regulations Specialist

Dear Mr. Stevens,

I was referred to you by Stephanie Mann, Division Administrator, FMCSA Tennessee.

During our phone conversation regarding Fed Ex's possession/handling/storage of radioactive material, Ms. Mann mentioned that someone within DOT that she had spoken with has suggested that '173.447 Storage incident to transportation - general requirements' was not applicable to Fed Ex's storage of radioactive shipments at their Memphis hub. Ms. Mann also said that she was not exactly sure about this understanding/position and that others within the DOT should weigh in on this decision regarding applicability of 173.447. In the past, when packages containing radioactive material were damaged at the Memphis hub, Fed-Ex would over-pack the damaged package and send it on. Fed-Ex recently told us that the FAA has new limitations in place that will not allow for this in some circumstances and that they now have to store the damaged package and await a licensed radioactive waste handler to repackage and ship.

I would like to request a formal interpretation regarding whether or not this regulation, 173.447, can be applied to Fed Ex's storage of radioactive shipments due to damage while awaiting a licensed (NRC or Agreement State) entity to come repackage and ship the damaged package. My goal is to determine whether or not Fed-Ex/Memphis needs a radioactive material license to possess and store damaged radioactive material shipments awaiting handling by a licensed entity.

Sincerely,

Billy Freeman

Deputy Director, Division of Radiological Health

10 2 Day die to con

From: Mann, Stephanie (FMCSA)

Sent: Friday, December 22, 2017 9:34 AM

To: Billy Freeman

Subject: RE: Attached Image:NO REPLY - BG5079PM01011

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. ***

Good morning,

I have talked to FMCSA HM manager who obtained additional information from FedEx on this and was looping in PHMSA as well. Can we discuss the 1st week of January?

From: Billy Freeman <Billy.Freeman@tn.gov> Sent: Friday, December 22, 2017 9:28:32 AM

To: John.Miller@nrc.gov; Mann, Stephanie (FMCSA)

Subject: FW: Attached Image: NO REPLY - BG5079PM01011

Just making sure this is still on the radar.

Happy Holidays.

Billy

From: Billy Freeman

Sent: Friday, December 01, 2017 4:36 PM

To: 'John.Miller@nrc.gov'

Subject: FW: Attached Image: NO REPLY - BG5079PM01011

John,

I left you a voice mail yesterday regarding a question I have about Fed Ex. I have asked the question of USDOT, but would appreciate the NRC's perspective. Below/attached sums up my question.

I would be happy to discuss and look forward to hearing from you.

And, I look forward to meeting you.

Have a good weekend.

Billy



Billy H. Freeman | Deputy Director for Field Operations

Division of Radiological Health

3711 Middlebrook Pike, Knoxville, TN 37921

p. 865-594-5518

billy.freeman@tn.gov

http://www.tn.gov/environment/section/rh-radiological-health

Tell us how we're doing! Please take 5-10 minutes to complete TDEC's Customer Service Survey

From: Billy Freeman

Sent: Friday, December 01, 2017 2:27 PM

To: 'stephanie.mann@dot.gov'

Subject: FW: Attached Image:NO REPLY - BG5079PM01011

Stephanie,

It was good talk with you today, I will try to summarize my concern:

On or about, 10/5/17, Fed Ex received a package that became damaged at their Memphis hub. The shipper was in South America and the recipient was in Louisiana. Normally when this happens, if there is no damage to the inner package, Fed-Ex repackages/over packs the damaged shipment and sends it on to the consigned destination, without the benefit of a radioactive material license. However, in this case, Fed-Ex informed us that, due to changes in FAA ruling, they could no longer repackage and send on, rather, they were now required to hold the package until the shipper could physically sign new shipping papers, or they could hire an entity with a valid radioactive materials license to dispose of the source. Fed Ex does not possess a radioactive materials license with the state of Tennessee. However, in the past Fed-Ex has not considered they needed a license for temporary storage because such storage was considered incident to transportation as described in § 173.447 Storage incident to transportation—general requirements. I am not sure exactly what changes have been made to the FAA rules but, I was wondering if, under these new circumstances, if you all would consider such storage to meet the criteria spelled out in "§ 173.447 Storage incident to transportation—general requirements." If we do, then it is business as usual. However, if such storage does not fall under "§ 173.447 Storage incident to transportation—general requirements", we may need to discuss obtaining a radioactive material storage license with Fed-Ex to accommodate such storage/handling activity here in Tennessee.

I appreciate your advice and input.

Have a good weekend.

Billy

From: Allen Grewe

Sent: Thursday, November 30, 2017 10:55 AM

To: Billy Freeman

Subject: FW: Attached Image: NO REPLY - BG5079PM01011

From: TDEC.Copier@tn.gov [mailto:TDEC.Copier@tn.gov]

Sent: Thursday, November 30, 2017 9:56 AM

To: Allen Grewe

Subject: Attached Image:NO REPLY - BG5079PM01011

From: Billy Freeman < Billy.Freeman@tn.gov> Sent:

Friday, December 01, 2017 2:27 PM

To: Mann, Stephanie (FMCSA)

Subject: FW: Attached Image:NO REPLY - BG5079PM01011

Attachments: 1533 001.pdf

Stephanie,

It was good talk with you today, I will try to summarize my concern:

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Sent: Thursday, November 30, 2017 9:56 AM

To: Allen Grewe

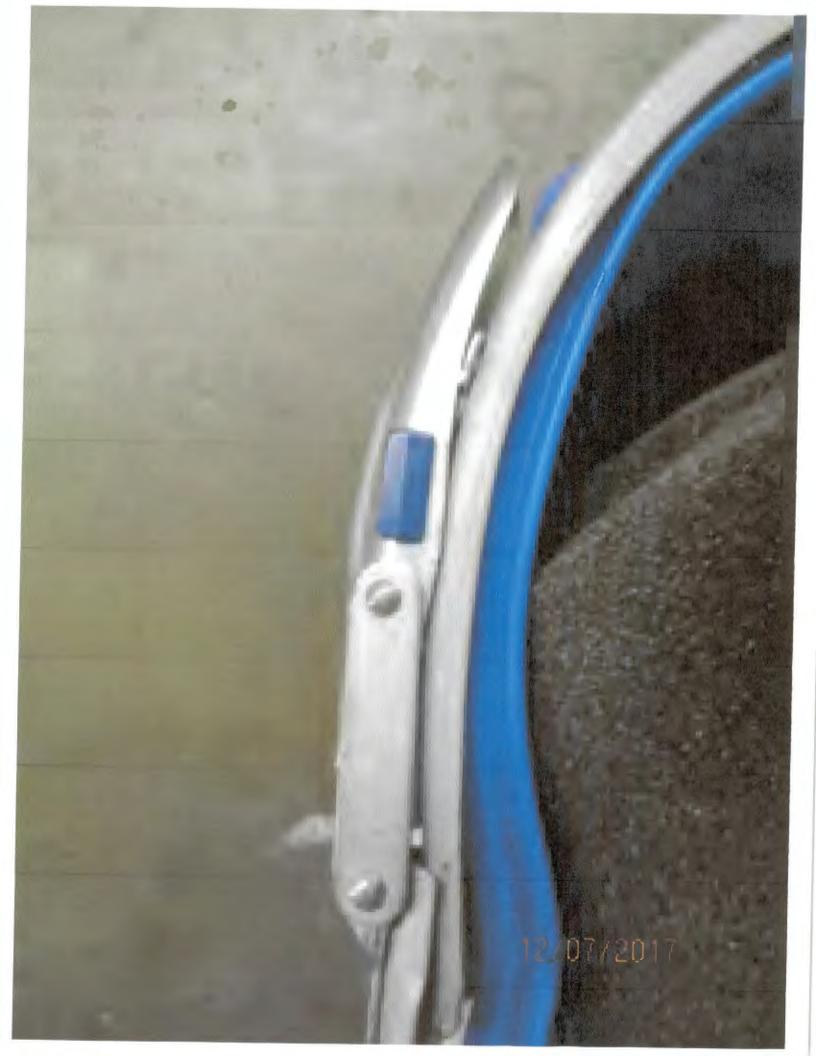
Subject: Attached Image: NO REPLY - BG5079PM01011







7102/70/3 EXPRESS SAVER 70668 OSYAH 1270 Fred 5484 1278 PH LCHA 5720 == N, TRIN MARKET









Hazardous Materials Incident Report

Form Approval OMB No. 2137-0039

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2137-0039. The filling out of this information is mandatory and will take 96 minutes to complete.

INSTRUCTIONS: Submit this report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, DHM-63, Washington, D.C. 20590-0001. If space provided for any item is inadequate, use a seperate sheet of paper, identifying the entry number being completed. Copies of this form and instructions can be obtained from the Office of Hazardous Materials Website at http://hazmat.dot.gov. If you have any questions, you can contact the Hazardous Materials Information Center at 1-800-HMR-4922 (1-800-467-4922) or online at http://hazmat.dot.gov.

Center at 1-800-HMR-4	922 (1-80	00-467-4922)	or online at http://haz	:mat.dc	ot.gov.					
PART I - REPORT	TYPE									
1. This is to report:		V	A) A hazardous mater	ial incid	ent		B) An undeclar	red shipment	with no release	
			C) A specification card (1) received structurintended to protect	ral dam	age to the ladir	g retentio	on system or da	mage that rec		system
2. Indicate whether this	is:	7	An initial report		A suppleme	ntal (follo	w-up) report		Additional Pag	es
PART II - GENERA	AL INC	IDENT IN	FORMATION							
3. Date of Incident: 12	2/07/20	17	4. Ti	me of	Incident (use	24-hour	time): 15:2	5		
5. Enter National Respo	5. Enter National Response Center Report Number (if applicable): 1199186									
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:										
7. Location of Incident:	City: _	Memphis	County:	Shell	by St	ate: TN	ZIP C	ode (if know	_{/n):} 38118	
Street Address/Mile										
8. Mode of Transportat	ion		Air		Highway		Rail		Water	
9. Transportation Phase	е		In Transit		Loading		Unloading		In Transit Stor	age
10. Carrier/Reporter			press, Dangerous							
			- Second Floor,	3670	Hacks Cros					
	_	Memphis					ate TN			
			ber <u>66562</u>		Hazr	nat Regi	stration Numb	oer 06061	3004001V	
11. Shipper/Offeror			dical Systems		·					
	Street	3100 Hans							0.4004	
	City _	Palo Alto				St	ate CA	ZIP Code	94304	
	Waybil	/Shipping Pa	per 812054841270		Hazr	nat Regi	stration Numb	oer		
12. Origin	Street									
(if different from shipper address)	City _					St	ate	ZIP Code		
13. Destination	Street	1282 Big \	Voods - Starks Ro	oad						
	City	Edgerly (V	'inton)			St	ate <u>LA</u>	ZIP Code	70668	
14. Proper Shipping Na	me of Ha	zardous Mate	erial: Radioactive	Mater	ial, Type A	Packag	ge, Special I	Form		
15. Technical/Trade Name:										
16. Hazardous Class/ Division:748 M	Bq	Numbe			18. Packing Group: (if applicab	le)	1	19. Quantity Released (Include N	none	its)
20. Was the material shi	ipped as	a hazardous	waste? Tyes	7	No If yes, p	rovide tl	he EPA Manife	est Number:		
21. Is this a Toxic by Inh	nalation (TIH) material	?	V	No If yes, p	rovide tl	he Hazard Zon	ne:		
22. Was the material shi	ipped un	der an Exem _l	otion, Approval, or C	ompet	ent Authority	Certifica	ate? 🔲 Y	′es ☑ N	ło	
If yes, provide the Ex	xemption	n, Approval, o	r CA number:			<u></u>				
23. Was this an undecla	red haza	rdous materia	als shipment?				□ Y	′es ☑ N	10	
Form DOT F 5800.1 (01-	2004)			Page 1			Reprod	luction of th	is form is pern	nitted

PAR	T III - PACKAGING IN	IFORMATI	ON								
24 . Ch	neck Packaging Type (check o	only one - if m	ore than one, lis	t type of	f packa	iging, copy	Part III, and complete	e for eac	h type:		
	☐ Non-bulk	☐ IBC] Cargo	tank N	Motor Vehic	le (CTMV)	☐ Tan	ık Car		
	☐ Cylinder	☑ RAM] Portab	Portable Tank				Other		
25. See instructions and enter the appropriate failure codes four that corresponds to the particular packaging type checked a Enter the most important failure point in line 1. If there are to the content of the conte					ter the	number of	codes as appropriat	e to desc	cribe the		
	1. What Failed: 1 0	5	How Failed:	3	0	5	Causes of Failure:	5	0	5	
	2. What Failed:		How Failed:				Causes of Failure:				
					_						
	rovide the packaging identifi										
lo	dentification Markings: USA	DOI /A I	rpe A								
(E	xamples: 1A1/Y1.4/150/92/USA/F	RB/93/RL, UN31F	11/Y0493/USA/M93	339/10800	/1200, [DOT - 105A -	100W (RAIL), DOT 406 (HIGHWAY	/), DOT 5	51, DOT 3-A)	
	or Non-bulk, IBC, or non-spe omplete the following:	cification pack	aging, if identifi	ication m	narking	gs are incor	nplete or unavailable	, see ins	tructio	ns and	
s	ingle Package or Outer Pack	aging:				Single Pack	age or Inner Packag	ing (if an	ıy):		
P	ackaging Type:			_		Packaging ¹	Гуре:				
N	laterial of Construction:			-		Material of	Construction:				
Н	ead Type (Drums only):	☐ Remova	able	Non - F	Remov	vable .					
27. De	scribe the package capacity	and the quanti	ty:								
S	ingle Package or Outer Pack	aging:				Single Pack	age or Inner Packagi	ng (if an	y):		
	ackage Capacity:	-		Package Capacity:							
	mount in Package:										
	umber in Shipment:										
	umber Failed:										
	ovide packaging construction										
	lanufacturer:			-,		Manufactur	e Date:				
	erial Number:						ate:				
				(if Tank Car, CTMV, Portable Tank, or Cylinder)							
	esign Pressure:										
				(if Tank Car, CTMV, Portable Tank)							
	ead Thickness:										
Se	ervice Pressure:										
lf	valve or device failed:										
Ту	ype:	Manu	facturer:				Model:				
29 . If th	ne packaging is for Radioacti	ve Materials, o	, ,	ent and le lowing:	gible)		(if prese	ent and le	gible)		
P:	ackaging Category:	☑ Type A	П	Type B		☐ Type C	☐ Excepted	☐ Indu	strial		
		☑ Self Cert									
	ackaging Certification:			U.S. Certification Certification Number							
Nuclide(s) Present: Ir-192					Transport Index: 0.2						
Ad	ctivity: 130 GBq			_ C	ritical	Safety Inde	x:				
Form [OOT F 5800.1 (01-2004)			Page 2			Reproduct	ion of th	is form	is permitted	

PART IV - CONSEQUENCES				
30. Result of Incident (check all that apply):	Spillage Fire E	xplosion	☐ Materi	ial Entered Waterway/Storm Sewer
	Vapor (Gas) Dispersion 🔲 E	nvironment	al Damage	✓ No Release
31. Emergency Response : The following entiti	ies responded to the incident:	(Check all	that apply)	
☐ Fire/EMS Report #	Police Report #			ouse cleanup
32. Damages: Was the total damage co	ost more than \$500?	☐ Yes	☑ No	
If yes, enter the following information: If r	no, go to question 33.			
Material Loss: Carrier Damage:			onse Cost:	•
\$\$ (See damage definitions in the instructions)	\$	\$		\$
33a. Did the hazardous material cause or contribu	ute to a human fatality?	☐ Yes	☑ No	
If yes, enter the number of fatalities resulting	from the hazardous material:			
		onders		General Public
33b. Were there human fatalities that did not resu	ult from the hazardous material	? 🗆 Yes	☑ No	If yes, how many?
34. Did the hazardous material cause or contribut	te to personal injury?	☐ Yes	☑ No	
If yes, enter the number of injuries resulting f	rom the hazardous material:			
				General Public
Non-Hospitalized: Emplo (e.g.: On site first aid or Emergency Room observati		onders		General Public
35. Did the hazardous material cause or contribut	te to an evacuation?	☐ Yes	☑ No	
If yes, provide the following information:				
Total number of general public evacuated	Total number of emp	oloyees evad	cuated	Total Evacuated
Duration of the evacuation(hour	rs)			
36. Was a major transportation artery or facility of	losed?	☐ Yes	☑ No	If yes, how many? (hours)
37. Was the material involved in a crash or derail	ment?	☐ Yes	☑ No	
If yes, provide the following information:	Estimated speed (mph):	Weat	ther conditio	ins:
	Vehicle overturn?	☐ Yes	☑ No	
	Vehicle left roadway/track?	☐ Yes	☑ No	
PART V - AIR INCIDENT INFORMATI	ION (please refer to § 175.3	11 to report	t a discrepa	ancy for air shipments)
38. Was the shipment on a passenger aircraft?		☐ Yes	☑ No	
If yes, was it tendered as cargo, or as passeng	jer baggage?			
☐ Cargo	☐ Passenger baggage			
39. Where did the incident occur (if unknown, che	ck the appropriate box for the l	ocation whe	ere the incide	ent was discovered)?
☑ Air carrier cargo facility	☐ Sort center		☐ Baggage	e area
☐ By surface to/from airport	☐ During flight		☐ During I	oading/unloading of aircraft
40. What phase(s) had the shipment already under	rgone prior to the incident? (Ch	neck all that	apply)	
☐ Shipment had not been transported	Transported by air (first f	flight)	☐ Transpo	ort by air (subsequent flights)
☐ Initial transport by highway to cargo facility	y Transfer at sort center/ca	rgo facility		
Form DOT F 5800 1 (01-2004)	Page 3		Ren	roduction of this form is permitted

PART VI - DESCRIPTIO	ON OF EVENTS & PACI	KAGE F	AILURE
including the size and locatio	n of holes, cracks, etc. Photogr	raphs and	ns taken at the time it was discovered. Describe the package failure, diagrams should be submitted if needed for clarification. Estimate tigate the effects of the release. Continue on additional sheets if
	d which released the top he radioactive material shippe		ith a drum ring. It is planned to have the shipment ent to the recipient.
	(b)(2) report because of pa sive exposure. No respons	_	amage. No release. No potential release. No istance was required.
PART VII - RECOMME	NDATIONS/ACTIONS	TAKEN	TO PREVENT RECURRENCE
procedures) to help prevent re		dations for	Iditional training, use of better packaging, or improved operating rimprovement to hazardous materials transportation beyond the necessary.
PART VIII- CONTACT I	NFORMATION		
Contact's Name (Type or Print)	Roy A. Parker, Ph.D.		Telephone Number: () (225) 924-1473
Contact's Title:	Radiation Physics Consul	Itant	Fax Number: () (225) 924-4269
Business Name and Address:	5061 Abelia Drive Baton Rouge, Louisiana 7	70808	Hazmat Registration Number (if not already provided):
E-mail Address:	roy@royparker.org		Date: January 24, 2018
Preparer is: Carrie		Facility	☑ Other Radiation Physics Consultant - FedEx Express
Form DOT F 5800.1 (01-2004)		Page 4	Reproduction of this form is permitted

From: Allen Grewe < Allen.Grewe@tn.gov>

Sent: Tuesday, January 30, 2018 1:46 PM

To: Billy Freeman

Subject: FW: National Response Center Report 1199186, DOT 5800.1 Report 20171207 Varian

812054841270 IR-192 MEMH and Pictures

Attachments: DOT 5800 20171207 Varian 812054841270 Ir-192 MEMH.pdf; FX 20171207 Varian

Pictures Ir-192 MEMH.pdf

FYI

Back-up material for TN-17-235. This is one of the held items at Fed Ex

From: Roy Parker [mailto:roy@royparker.org] **Sent:** Wednesday, January 24, 2018 4:28 PM

To: Marvin Sudduth; Paul Patrick; Pat Oppenheimer; Greg Stofko; Connie Snow

Cc: Allen Grewe

Subject: National Response Center Report 1199186, DOT 5800.1 Report 20171207 Varian 812054841270 IR-192 MEMH

and Pictures

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. ***

-----Forwarded Message-----**Subject:**NRC#1199186

From: Hqs-pf-fldr-nrc < HQS-PF-fldr-NRC@uscg.mil>

To: Roy Parker < roy@royparker.org>

Sent: Friday, 12/8/2017 5:23:51 PM CST -0600

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1199186

INCIDENT DESCRIPTION

*Report taken at 18:15 on 08-DEC-17

Incident Type: STORAGE TANK Incident Cause: UNKNOWN

Affected Area:

Incident occurred on 07-DEC-17 at 15:25 local incident time. Affected Medium: OTHER PER CALLER, NO MATERIAL RELEASED

SUSPECTED RESPONSIBLE PARTY

Organization: FEDEX EXPRESS

BATON ROUGE, LA 70808

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

2903 SPRANKLE AVE County: SHELBY

1

City: MEMPHIS State: TN

RELEASED MATERIAL(S)

CHRIS Code: RAM Official Material Name: RADIOACTIVE MATERIAL Also Known As: RADIOACTIVE MATERIAL (130 GBQ, IRIDIUM-192)

Qty Released: 130 OTHER

DESCRIPTION OF INCIDENT

***REPORT PER 49CFR171.15(B)(2) NO RELEASE. NO POTENTIAL RELEASE. NO CONTAMINATION. NO EXCESSIVE RADIATION EXPOSURE. NO ASSISTANCE OR RESPONSE REQUIRED. ***

CALLER IS REPORTING THAT A PLASTIC DRUM CONTAINING RADIOACTIVE MATERIAL WAS SOUEEZED. CALLER STATES THAT NO MATERIAL HAS BEEN RELEASED.

RADIOACTIVE MATERIAL (130 GBQ, IRIDIUM-192)

INCIDENT DETAILS

Description of Tank:

Tank Above/Below Ground: ABOVE Transportable Container: YES

Tank Regulated: YES Tank Regulated By:

Tank ID:

Capacity of Tank: Actual Amount:

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger: FATALITIES: NO Empl/Crew: Passenger: Occupant: EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

Hours Direction of

Closure Type Description of Closure Closed Closure

N

Air:

Road:

Major N Artery: N

Waterway:

Track:

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

REMEDIAL ACTIONS

POSSIBLY BRING IN AUTHORIZED REPACKAGER

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local: TRCA State/Local On Scene: State Agency Number:

NOTIFICATIONS BY NRC

AR DEPT OF ENVIRONMENTAL QUALITY (COMMAND CENTER)

08-DEC-17 18:23

AR DEPT OF ENVIRONMENTAL QUALITY (GOVERNMENT COPY OF REPORT)

08-DEC-17 18:23

ARKANSAS POISON CENTER (MAIN OFFICE)

08-DEC-17 18:23

CHEM/BIO DEFENSE COMMAND (MAIN OFFICE)

08-DEC-17 18:23

CENTERS FOR DISEASE CONTROL (MAIN OFFICE)

CENTERS FOR DISEASE CONTROL (GRASP)

08-DEC-17 18:23

CRITTENDEN COUNTY DEPT OF EMERG MGT (COMMAND CENTER)

08-DEC-17 18:23

DHS DOMESTIC NUCLEAR DETECTION OFC (DNDO)

08-DEC-17 18:23

DHS DEFENSE THREAT REDUCTION AGENCY (CHEMICAL AND BIOLOGICAL TECHNOLOGI 08-DEC-17 18:23

DHS SOUTH CAROLINA FUSION CENTER (LE SENSITIVE ADVISORS & LIASON PROGRA 08-DEC-17 18:23

DEPARTMENT OF ENERGY (MAIN OFFICE)

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

08-DEC-17 18:23

EPA HQ EMERGENCY OPERATIONS CENTER (MAIN OFFICE)

08-DEC-17 18:23

EPA HO EMERGENCY OPERATIONS CENTER (AFTER HOURS SECONDARY)

U.S. EPA IV (MAIN OFFICE)

U.S. EPA IV (DUTY OSC)

08-DEC-17 18:23

EPA RAD EMERGENCY RESPONSE TEAM (EPA HEADQUARTERS)

EPA TOXIC RELEASE INVENTORY (TRI DIVISION)

08-DEC-17 18:23

FBI STRATEGIC INFO OPERATIONS CNTR (MAIN OFFICE)

08-DEC-17 18:23

FEDERAL EMERGENCY MANAGEMENT AGENCY (MAIN OFFICE)

08-DEC-17 18:23

MEMPHIS POLICE DEPT (COMMAND CENTER)

08-DEC-17 18:23

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

08-DEC-17 18:23

NOAA RPTS FOR TN (MAIN OFFICE)

08-DEC-17 18:23

NUCLEAR REGULATORY COMMISSION (MAIN OFFICE)

NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)

08-DEC-17 18:23

DOI FOR REGION 4 (MAIN OFFICE)

08-DEC-17 18:23

REPORTING PARTY (RP SUBMITTER)

08-DEC-17 18:23

SECTOR LOWER MISSISSIPPI RIVER (AUTO NRC NOTIFICATIONS)

08-DEC-17 18:23

SECTOR LOWER MISSISSIPPI RIVER (INSPECTIONS/PREVENTION DUTY OFFICER)

08-DEC-17 18:23

SHELBY COUNTY OFC OF PREPAREDNES (COMMAND CENTER)

08-DEC-17 18:23

SHELBY SHERIFF'S OFFICE (CRIMINAL INTELLIGENCE UNIT)

08-DEC-17 18:23

SHELBY COUNTY HEALTH DEPT (ENVIRONMENTAL HEALTH)

08-DEC-17 18:23

SHELBY COUNTY HEALTH DEPT (EMERGENCY RESPONSE COORDINATOR)

08-DEC-17 18:23

TN EMERGENCY RESPONSE (MAIN OFFICE)

08-DEC-17 18:23

STEVE SPURLIN EPAIV (MAIN OFFICE)

08-DEC-17 18:23

TENNESSEE DEPT OF ENVRMT & CONSERV (TOEC EMERGENCY SVC COORDINATOR)

08-DEC-17 18:23

TENNESSEE DEPT OF ENVRMT & CONSERV (UNDERGROUND STORAGE TANKS)

08-DEC-17 18:23

TN DEPT OF HEALTH, ENVMNT, EPDMLGY (ENVIRONMENTAL EPIDEMIOLOGY PRGM)

08-DEC-17 18:23

USCG DISTRICT 8 (MAIN OFFICE)

08-DEC-17 18:23

USCG DISTRICT 8 (PLANNING)

08-DEC-17 18:23

WEST MEMPHIS FIRE DEPARTMENT (HAZMAT COORDINATOR)

08-DEC-17 18:23

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1199186 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil



DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF RADIOLOGICAL HEALTH

FORM .257 EVENT CLOSED: Y	N⊠			ΓN-17-191			
REPORT BY: AEG	CONTACT DATE	: 10/05/17	DISCOVERY DATE:	10/05/17			
PHYSICAL RESPONSE: Y☐ N⊠	EVENT DATE:	10/05/17	INVESTIGATION/INS	PECTION DATE:			
RESPONDENT(S) AND OFFICE:	FIRST CONTACT Other (Specif	BY 🔀 Telephone 🗌 Letter/Form 🔲 Email					
		TING PARTY INFOR	MATION				
Name: Roy Parker, Fed Ex Consulta	N/A	/A					
Address: 5061 Abelia Drive		Location of Event: Memphis Hub					
City: Baton Rouge State: LA Z	ip Code: 70808	Phone Number: 2	25-924-1473				
	ADDITION	AL INVOLVED PART	ΓY				
Name:		License Number:					
Address:		Phone Number:					
City: State:	Zip Code:						
SOURCE/RADIOACTIVE N	MATERIAL	DEVICE/ASSOCIA	ATED EQUIPMENT				
Isotope and activity: Cs-137 3.9 GBq		Device Name:					
Manufacturer:		Manufacturer:					
Model and Source Serial numbers:		Device Model and	Device Model and Serial number:				
F	EVENT TYPE		REPORTABLE EVENT (N				
 Lost/Abandoned/Stolen N Radiation Overexposure 	Material			vent: ☐ Immediate* 30-Day* ⊠ NA			
3.			ADDITIONAL	ADDITIONAL INFORMATION			
5. Release of Licensed Mater 6. Medical Event	rial or Contaminatio	on	Abnormal Occurrence? Y N Potential				
7. Misadministration			Reciprocity?	∥ N ⊠			
• Diagnostic	Procedure:		Consultant Hi	red? Y 🔲 N 🗌			
• Therapeutic 8. Landfill/Scrap Yard							
• Out of State	DOT Special Perm	nit:	Other Agencie	s Notified: Y \(\sum N \)			
• In State			other rigeries	3 Nothica. I IV			
9. Fire 10. Loss of Package Effectiven 11. Transportation	ness		If Yes, Specify:				
Vehicle:	Place	ard:	Media Attentio	on: Y \ \ N \			
Carrier Name:	Phor						
Shipper Contact:	Phor		If Yes, Specify:				
Address of Shipper:							
Bill of Lading NO.:	Date:	Exclusive Use:					
Container Type:		Isolation:	-				
Description/Form of Material:							
	NRC NMED IT	EM NO.:					
12. ☐ Allegations/Complaints13. ☐ Other				LOCAL NMED: TRANSFER FILE:			
I received a phone call from Roy Parker on 10/05		OMMENTS					

I received a phone call from Roy Parker on 10/05/17 concerning a package that was damaged at the Memphis Hub on 10/05/17. The package was being shipped from Carton de Columbia SA to QSA in Baton Rouge LA. The drum the gauge was in was damaged at the Memphis hub. No damage to the contents.



DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF RADIOLOGICAL HEALTH

Due to new FAA ruling the package is being held at Dangerous Goods at the Memphis Hub waiting on a new declaration to be signed or for disposal.

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1192416

INCIDENT DESCRIPTION

**** THIS IS A POTENTIAL RELEASE ****

*Report taken at 19:00 on 05-OCT-17

Incident Type: FIXED Incident Cause: OTHER

Affected Area:

Incident occurred on 05-OCT-17 at 06:35 local incident time.

Affected Medium: NON-RELEASE (N/A) DAMAGED PACKAGE CONTAINING

RADIOACTIVE MATERIAL

SUSPECTED RESPONSIBLE PARTY

Organization: FEDEX EXPRESS

BATON ROUGE, LA 70808

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

2903 SPRANKLE AVENUE County: SHELBY City: MEMPHIS State: TN Zip: 38118

POTENTIALLY RELEASED MATERIAL(S)

CHRIS Code: RAM Official Material Name: RADIOACTIVE MATERIAL

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER IS REPORTING A DAMAGED PACKAGE THAT CONTAINS RADIOACTIVE MATERIAL. CALLER STATED THERE WAS NO RELEASE OF MATERIALS OR POTENTIAL FOR A RELEASE OF MATERIALS.

49CFR171.115 (B) (2) NO RELEASE, NO POTENTIAL RELEASE, NO CONTAMINATION NO EXCESSIVE EXPOSURE, NO ASSISTANCE OR RESPONSE REQUIRED.

INCIDENT DETAILS

Package: N/A Building ID:

Type of Fixed Object: WAREHOUSE Power Generating Facility: NO

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger: FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

Hours Direction of

Major

Closure Type Description of Closure Closed Closure

N

N

Air:

Road: ' Artery: N

Waterway:

Track:

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

REMEDIAL ACTIONS

CALLER STATED THE PACKAGE HAS BEEN SECURED

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local: TN RADIATION CONTROL AGENCY

State/Local On Scene: State Agency Number:

NOTIFICATIONS BY NRC

AR DEPT OF ENVIRONMENTAL QUALITY (COMMAND CENTER)

05-OCT-17 19:21

AR DEPT OF ENVIRONMENTAL QUALITY (GOVERNMENT COPY OF REPORT)

05-OCT-17 19:21

ARKANSAS POISON CENTER (MAIN OFFICE)

05-OCT-17 19:21

CHEM/BIO DEFENSE COMMAND (MAIN OFFICE)

05-OCT-17 19:21

CENTERS FOR DISEASE CONTROL (MAIN OFFICE)

CENTERS FOR DISEASE CONTROL (GRASP)

05-OCT-17 19:21

CRITTENDEN COUNTY DEPT OF EMERG MGT (COMMAND CENTER)

05-OCT-17 19:21

DHS DOMESTIC NUCLEAR DETECTION OFC (DNDO)

05-OCT-17 19:21

DHS DEFENSE THREAT REDUCTION AGENCY (CHEMICAL AND BIOLOGICAL TECHNOLOGI 05-OCT-17 19:21

NTNL PROGRAMS AND PROTECTION DIR (OFC OF INFRASTRUCTURE PROTECTION RGN 05-OCT-17 19:21

DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)

05-0CI-17 19:21 DHS SOUTH CAROLINA FUSION CENTER (LE SENSITIVE ADVISORS & LIASON PROGRA 05 OCT-17 19:21 DEPARTMENT OF ENERGY (MAIN OFFICE) DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE) 05-OCT-17 19:21 EPA HQ EMERGENCY OPERATIONS CENTER (MAIN OFFICE) 05-OCT-17 19:21 EFA HQ EMERGENCY OPERATIONS CENTER (AFTER HOURS SECONDARY) U.S. EPA IV (MAIN OFFICE) U.S. EPA IV (DUTY OSC) 05-OCT-17 19:21 EPA RAD EMERGENCY RESPONSE TEAM (EPA HEADQUARTERS) FBI STRATEGIC INFO OPERATIONS CNTR (MAIN OFFICE) 05-OCT-17 19:21 FEDERAL EMERGENCY MANAGEMENT AGENCY (MAIN OFFICE) 05-00T-17 ±9:21 USCG NATIONAL COMMAND CENTER (MAIN OFFICE) U5-OCT-17 19:21 MEMPHIS POLICE DEPT (COMMAND CENTER) 05-OCT-17 19:21 NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE) 05-00°-17 19:21 NOAA RPIS FOR TN (MAIN OFFICE) 05-OCT-17 19:21 NUCLEAR REGULATORY COMMISSION (MAIN OFFICE) NATIONAL RESPONSE CENTER HQ (MAIN OFFICE) 05-00T-17 19:21 HOMELAND SEC COORDINATION CENTER (MAIN OFFICE) 05-OCI-17 19:21 REPORTING PARTY (RP SUBMITTER) 05-OCT-17 19:21 SECTOR LOWER MISSISSIFFI RIVER (AUTO NRC NOITFICATIONS) 05-OCT-17 19:21 SECTOR LOWER MISSISSIPPL RIVER (INSPECTIONS/PREVENTION DUTY OFFICER) 05-OCT-17 19:21 SHELBY COUNTY OFC OF PREPAREDNES (COMMAND CENTER) 05-OCT-17 19:21 SHELBY SHERIFF'S OFFICE (CRIMINAL INTELLIGENCE UNIT) 05-OCT-17 19:21 SHELRY COUNTY HEALTH DEPT (ENVIRONMENTAL HEALTH) 05-OCT-17 19:21 SHELBY COUNTY HEALTH DEPT (EMERGENCY RESPONSE COORDINATOR) 05-OCT-17 19:21 TN EMERGENCY RESPONSE (MAIN OFFICE) 05-OCT-1/ 19:21 STEVE SPURLIN EPAIV (MAIN OFFICE) 05-OCT-17 19:21 TENNESSEE DEPT OF ENVRMT & CONSERV (TOEC EMERGENCY SVC COORDINATOR) 05-OCT-17 19:21 TENNESSEE DEPT OF ENVRMT & CONSERV (UNDERGROUND STORAGE TANKS)

05-OCT-17 19:21

TN DEPT OF HEALTH, ENVMNT, EPDMLGY (ENVIRONMENTAL EPIDEMIOLOGY PRGM)
05-OCT-17 19:21

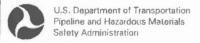
USCG DISTRICT 8 (MAIN OFFICE)
05-OCT-17 19:21

USCG DISTRICT 8 (PLANNING)
05-OCT-17 19:21

WEST MEMPHIS FIRE DEPARTMENT (HAZMAT COORDINATOR)
05-OCT-17 19:21

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1192416 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil



Hazardous Materials Incident Report

Form Approval OMB No. 2137-0039

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2137-0039. The filling out of this information is mandatory and will take 96 minutes to complete.

INSTRUCTIONS: Submit this report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, DHM-63, Washington, D.C. 20590-0001. If space provided for any item is inadequate, use a seperate sheet of paper, identifying the entry number being completed. Copies of this form and instructions can be obtained from the Office of Hazardous Materials Website at http://hazmat.dot.gov. If you have any questions, you can contact the Hazardous Materials Information Center at 1-800-HMR-4922 (1-800-467-4922) or online at http://hazmat.dot.gov.

PART I - REPORT	TYPE		·	•			•		
1. This is to report:	A) A haz	A) A hazardous material incident B) An undeclared shipment with no release							
		(1) rec	eived structure	al dama	ige to the ladi	ng retenti	containing any on system or d I (2) did not ha	amage that re	aterials that quires repair to a system
2. Indicate whether this	is:	An initia	l report		A suppleme	ental (folio	w-up} report		Additional Pages
PART II - GENERA	L INCIDEN	T INFORM	ATION						
3. Date of Incident: 10/	/05/2017		4. Tin	ne of l	ncident (use	24-hou	time): 06:3	35	
5. Enter National Respo	nse Center Rep	ort Number (i	f applicable):	119	2416				
6. If you submitted a rep						eport nu	mber:		
7. Location of Incident:	City: Memph	is	County:	Shelb	y s	tate: TN	ZIP (Code (if knov	vn): 38118
Street Address/Mile N									
8. Mode of Transportation	on	✓ Air			Highway		Rail		Water
9. Transportation Phase		✓ In Transi	t		Loading		Unloading		In Transit Storage
10. Carrier/Reporter	Name FedE	x Express, [Dangerous	Good	ls Adminis	tration			
	Street Buildin	ng G - Seco	nd Floor, 3	670 F	lacks Cros				
	City Memp	his					tate TN		
	Federal DOT ID	Number 66	562		Haz	mat Reg	istration Num	ber 06061	3004001V
11. Shipper/Offeror	Name Cartor	de Columb	oia SA						
	Street Calle	15N. 18-106	, CP						
	City Cali, Co	lumbia (Sou	th America	760	042	S	tate	ZIP Code	
	Waybill/Shippin	g Paper			Hazi	mat Regi	stration Num	ber	
12. Origin	Street								
(if different from shipper address)	City						ate	ZIP Code	
	Street 6765 L	angley Driv							
	City Baton	Rouge					ate LA		70809
14. Proper Shipping Nam	ne of Hazardous	Material: Ra	dioactive N	lateri	al, Type A	Packa	ge, Special	Form	
15. Technical/Trade Nam									
16. Hazardous Class/ Division:7	17. lde N	entification Imber:Uh	N3332	1	8. Packing Group:			19. Quantity Released	none
		g. UN2764, NA			(if applicab	le)			deasurement Units)
20. Was the material ship	ped as a hazard	ous waste?	☐ Yes	Ø N	lo If yes, p	orovide t	he EPA Mani	fest Number:	
21. Is this a Toxic by Inha	lation (TIH) mat	erial?	Yes	Ø N	o If yes, p	orovide t	he Hazard Zo	ne;	
22. Was the material ship	ped under an E	xemption, App	proval, or Co	mpete	nt Authority	Certifica	ate?	Yes 🗸 !	No
If yes, provide the Exe	emption, Approv	al, or CA num	nber:						
23. Was this an undeclare	ed hazardous ma	aterials shipm	ent?					Yes 🕜 f	No
Form DOT E 5900 1 /01 2/	00.4)			4			Danna	duation of th	is form is permitted

PART III - PACKAGING I	NFORMATI	NC									
24. Check Packaging Type (check	only one - if mo	re than one,	list type of	packaging,	copy	Part III, and complet	te for each type:				
☐ Non-bulk	☐ IBC		☐ Cargo	ank Motor	Vehicl	e (CTMV)	☐ Tank Car				
☐ Cylinder	☑ RAM		☐ Portabl	e Tank			Other				
25. See instructions and enter the that corresponds to the partic Enter the most important failu	ular packaging t	ype checked	above. Ent	er the numi	per of	codes as appropriat	te to describe the incident.				
1. What Failed: 1	9	How Failed:	3	1 2		Causes of Failure:	5 1 1				
2. What Failed:		How Failed:									
are Dustide the material identity											
26a. Provide the packaging identi Identification Markings: US	_			rked but	on S	hinner's Declarat	tion for Dangerous Good				
(Examples: 1A1/Y1.4/150/92/USA)											
26b. For Non-bulk, IBC, or non-specific complete the following:	ecification packa	iging, if ident	ification m	arkings are	incom	iplete or unavailable	e, see instructions and				
Single Package or Outer Pack		Single	Pack	age or Inner Packag	ing (if any):						
Packaging Type:	·	Packag	ging T	ype:							
Material of Construction:			-	Materi	al of C	Construction:					
Head Type (Drums only):	☐ Removab	ole	□ Non - R	emovable							
7. Describe the package capacity	and the quantit	y:									
Single Package or Outer Pack	aging:			Single	Packa	ige or inner Packagi	ing (if any):				
Package Capacity:		Package Capacity:									
Amount in Package:											
Number in Shipment:											
Number Failed:											
8. Provide packaging construction	and test inforn	nation, as app	propriate:								
Manufacturer:				Manuf	acture	Date:					
Serial Number:											
			(if Tank Car, CTMV, Portable Tank, or Cylinder)								
			(if Tank Car, CTMV, Portable Tank)								
Shell Thickness:			(if Tank Car, CTMV, Portable Tank)								
Head Thickness:			(if Tank Car, CTMV)								
Service Pressure:			(if Cylin	(if Cylinder)							
If valve or device failed:											
Type:	Manufa	cturer:				Model:					
0 Kaba aashaalaa la faa Dadiaaal	8.4		sent and legi	ble)		(if prese	ent and legible)				
If the packaging is for Radioacti	ve Materials, co										
Packaging Category:	☑ Type A		Type B	☐ TYP	e C	☐ Excepted	☐ Industrial				
Packaging Certification:	☑ Self Certifi	ed [U.S. Certification Certification Number								
Nuclide(s) Present: Cs-137			Tra	Transport Index: 0							
Activity: 3.9 GBq			Crit	ical Safety	Index:						
orm DOT F 5800,1 (01-2004)			Page 2			Reproduct	ion of this form is permitted				

PART IV - CONSEQUENCES						
30. Result of Incident (check all that apply):	Spillage Fire E	xplosion	☐ Material E	ntered Waterway/Storm Sewer		
	Vapor (Gas) Dispersion E	nvironmental	Damage 🔲	No Release		
31. Emergency Response: The following entit	les responded to the incident:	(Check all tha	at apply)			
☐ Fire/EMS Report #	☐ Police Report #		in-house	cleanup 🕜 Other Cleanup		
32. Damages: Was the total damage co		☐ Yes ☐	☑ No			
If yes, enter the following information: If						
·	·			Remediation/Cleanup Cost:		
\$\$ (See damage definitions in the instructions)	\$	\$		\$		
33a. Did the hazardous material cause or contrib	ute to a human fatality?	☐ Yes ☐	a No			
If yes, enter the number of fatalities resulting	from the hazardous material:					
Fatalities: Emplo	yees Respo	nders	G	eneral Public		
33b. Were there human fatalities that did not resu	ult from the hazardous material	? 🗆 Yes 🖸	2 No	If yes, how many?		
34. Did the hazardous material cause or contribut	te to personal injury?	☐ Yes ☑	No			
If yes, enter the number of injuries resulting f	rom the hazardous material:					
Hospitalized (Admitted Only): Emplo	yees Respo	nders	G	eneral Public		
Non-Hospitalized: Emplo	yees Respo	nders	G	eneral Public		
(e.g.: On site first aid or Emergency Room observati	on and release)					
35. Did the hazardous material cause or contribut	e to an evacuation?	☐ Yes ☑	l No			
If yes, provide the following information:						
Total number of general public evacuated	Total number of emp	loyees evacua	ted	Total Evacuated		
Duration of the evacuation (hour	s)					
36. Was a major transportation artery or facility of	osed?	Yes 7	No If	yes, how many? (hours)		
37. Was the material involved in a crash or derails	ment?	☐ Yes ☑	No			
If yes, provide the following information:	Estimated speed (mph);	Weathe	r conditions:			
	Vehicle overturn?	☐ Yes ☑	No			
	Vehicle left roadway/track?	☐ Yes ☑	No			
PART V - AIR INCIDENT INFORMATION (please refer to § 175.31 to report a discrepancy for air shipments)						
38. Was the shipment on a passenger aircraft?		☐ Yes ☑	No			
If yes, was it tendered as cargo, or as passeng	er baggage?					
☐ Cargo	☐ Passenger baggage					
39. Where did the incident occur (if unknown, che	ck the appropriate box for the l	ocation where	the incident w	ras discovered)?		
☐ Air carrier cargo facility	☑ Sort center		Baggage are	а		
☐ By surface to/from airport	☐ During flight		During loadi	ng/unloading of aircraft		
40. What phase(s) had the shipment already unde	rgone prior to the incident? (Ch	eck all that app	ply)			
☐ Shipment had not been transported	☑ Transported by air (first f	light)	Transport by	air (subsequent flights)		
☐ Initial transport by highway to cargo facility	/ ☐ Transfer at sort center/ca	rgo facility				
Form DOT F 5800.1 (01-2004)	Page 3		Reprodu	ction of this form is permitted		

PART VI - DESCRIPTION OF EVENTS & PACKAG	E FAILURE						
including the size and location of holes, cracks, etc. Photographs	actions taken at the time it was discovered. Describe the package failure, and diagrams should be submitted if needed for clarification. Estimate o mitigate the effects of the release. Continue on additional sheets if						
The clasp ring closures on two steel drums failed because the drums were apparently dropped. The radioactive contents remained shielded and intact. There are numerous discrepancies between the packages and the Shipper's Declaration for Dangerous Goods. It is planned to contract with an authorized shipper to prepare the shipment to send to the recipient.							
This is a 49 CFR 171.15(b)(2) report because of packag contamination. No excessive exposure. No response or	_						
PART VII - RECOMMENDATIONS/ACTIONS TAK	EN TO PREVENT RECURRENCE						
	s additional training, use of better packaging, or improved operating s for improvement to hazardous materials transportation beyond the s if necessary.						
PART VIII- CONTACT INFORMATION							
Contact's Name (Type or Print): Roy A. Parker, Ph.D.	Telephone Number: () (225) 924-1473						
Contact's Title: Radiation Physics Consultant	Fax Number: () (225) 924-4269						
Jusiness Name and Address: 5061 Abelia Drive	Hazmat Registration Number (if not already provided):						
Baton Rouge, Louisiana 70808 -mail Address: roy@royparker.org	Date: October 28, 2017						
Preparer is: Carrier Shipper Facili	Padiation Physics Consultant FodEv Evarous						
orm DOT F 5800.1 (01-2004) Pa	ge 4 Reproduction of this form is permitted						













