

From: Allen, William

Sent: Thursday, January 26, 2017 11:50 AM

To: Byrd, Nache <Nache.Byrd@nrc.gov>; Gallardy, Vivian <Vivian.Gallardy@nrc.gov>

Subject: FW: Model 2000 71.95 Report Follow-Up

Please enter the attached "Document.pdf" into ADAMS using the attached 665. If you have any questions, call me at (301) 545-6056. Chris

From: Murray, Scott P. (GE Power) [<mailto:Scott.Murray@ge.com>]

Sent: Monday, January 23, 2017 2:07 PM

To: Allen, William <William.Allen@nrc.gov>

Subject: [External_Sender] Model 2000 71.95 Report Follow-Up

Per our discussion today, attached is a copy of the bill of lading, before and after survey results. Let me know if you need anything else.

STRAIGHT BILL OF LADING-SHORT FORM-Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this bill of lading, the property described below, in apparent good order, except as noted (contents and conditions 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 of anytime interested in all or any of said property, that every service to be performed hereunder shall be subject to all terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of said bill of lading, including those on the back thereof, 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.

PICKUP ADDRESS [Redacted] [Redacted] [Redacted] Attn.: [Redacted] 2 [Redacted]		Bill of Lading No. E 2016-05 Date 3/10/2016
DELIVERY ADDRESS GE Hitachi Nuclear Energy Americas, LLC Vallecitos Nuclear Center 6705 Vallecitos Road, Sunol CA., 94586 Attn.: [Redacted]		<input checked="" type="checkbox"/> Prepaid <input type="checkbox"/> Collect <input type="checkbox"/> 3 rd Party Account to Charge: Project 131459 / Task No. 100 CARRIER: For payment, attach copy of this Bill of Lading and/or your freight bill and submit electronically or send hardcopy to: GE Nuclear -Trax Technology MS/G02 7100 E. Belleview Ave., Suite 107 Greenwood Village, CO. 80111
CARRIER: TSMT Company ETA: 3/12/16 0900 hrs. Tele. No.: 800-872-8768		CHEMTREC 24-H EMERGENCY TELEPHONE NO. 800-262-8200 ACCOUNT NO.: CCN726830
Reference DOT Emergency Response Guidebook #163		
QUANTITY	DESCRIPTION AND IDENTIFICATION OF ARTICLES	NMFC NUMBER
1	RQ, UN2916, RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE,7 Highway Route Controlled Quantity (HRCQ) Type B Package: USA/9228/B(U)F-96 Model 2000, S/N 2002 Radionuclide: Co-60 Activated Cobalt Mass: 484.4 g Form: NORMAL, SOLID Chemical Form: METAL-OXIDE Activity: [Redacted] as of March 10, 2016 Transport Index: 2.4 88 mSv/hr (8.8 mRem/hr) at Package Surface Label: YELLOW III Placards Required: YES Security Seal No.: 011347 < 0.1 mSv/hr @ CAB ORU 3/10/16 Exclusive-Use Instructions: Driver has COPY	
1	Tool Box (Non-Hazardous) Security Seal No. 028810	150 lbs
1	Ladder (Non-Hazardous)	50 lbs.
Driver has Emergency Response Guidebook 2012 OK TRACTOR No.: 45025 TRAILER No.: 729014 DRIVER(S): [Redacted] <i>Carrier shall maintain control of "Shipment" until receipt by Consignee. Any condition which may cause deviation to the above delivery date and time, or in the event of an emergency, accident, or theft, Driver (or Dispatcher) shall notify Chemtrec and [Redacted] (GEH Vallecitos Nuclear Center) on the 24-Hour Emergency Telephone and on [Redacted] respectively.</i>		
<i>"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."</i>		
Total Count 3	Shipper, per: [Redacted] Agent, per: [Redacted]	Total Weight 33,750 lbs.

CPS RADIOLOGICAL SURVEY SHEET

Survey Index No

Misc/Valves/Equipment - O'EL.
Flatbed with 'B'-Type Shipping Cask

Pg 1 of 2

3-8-16 - 13
Date Index No

Date: 3-8-16 Time: 1150

Type: ☐ RWP ☒ Other: Shipping

Performed By: [Redacted]

Counted By: [Redacted]

Reviewed By: [Redacted] Date: 3-9-16

Inst. Type

Serial #

Cal Due Date

RADIATION

CONTAMINATION

Telepole

334718

1-7-17

Tennelec SSE

11456

3-10-16

Rx Power 99.190

Bkgd. 10/3.1 (cpm)

Cask ID # 2000-2002

Liner ID # N/A

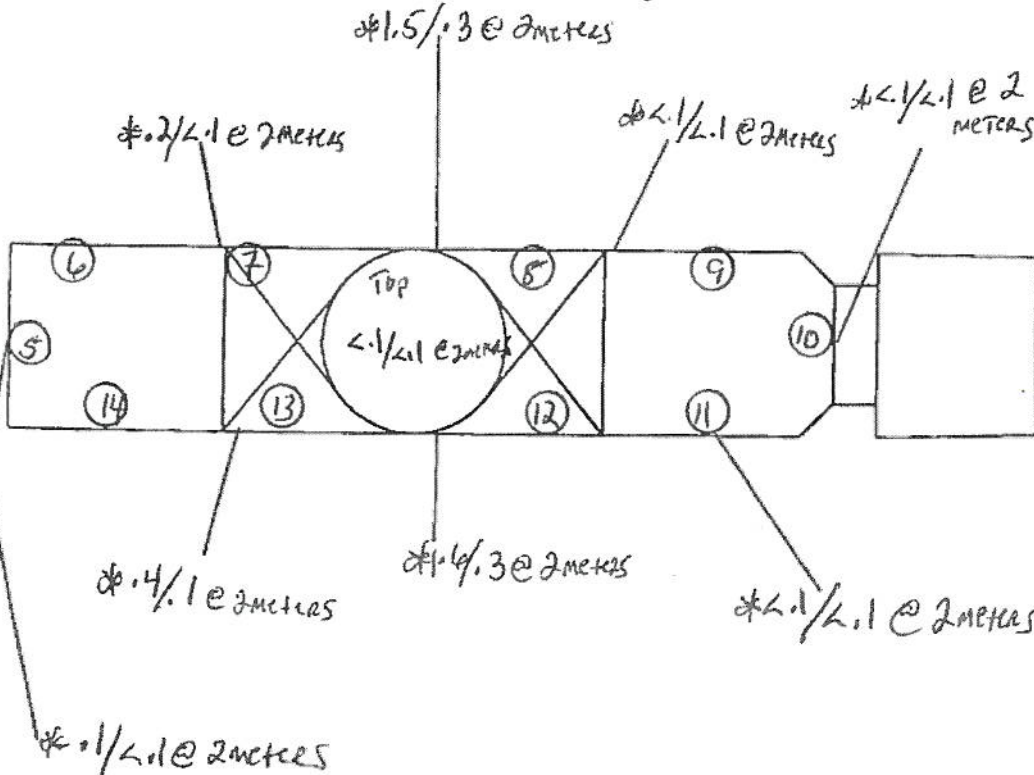
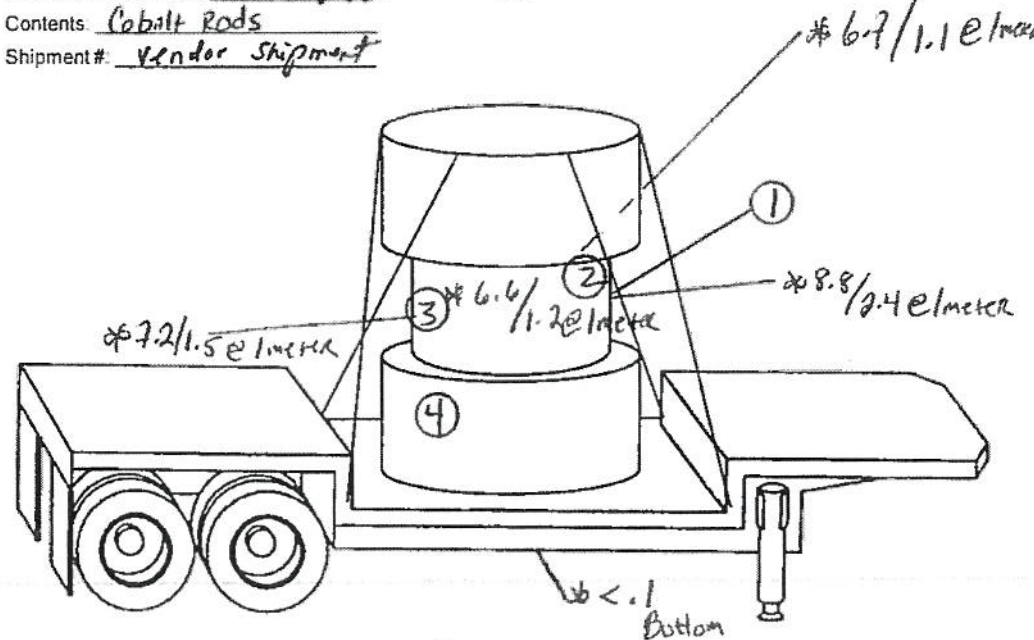
Trailer # 729014

Trailer License Plate # 17A 932 MD

Contents Cobalt Rods

Shipment # Vendor Shipment

COPY



Smear/Location Smear/Location

No dpm/100cm² No N/A

1 See OVER PACK

2 Attached

3 For

4 Smear

5 Results

6

7

8

9

10

11

12

13

14

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

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N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Remarks: 3-8-16
MRRR/RWP: 100-1600339

Shipping Survey for
Cobalt Cask with
OVER PACK

Movement of outdoor containers
documented in 'Outdoor Container
Log' per RP-AA-500-1001 (if
applicable) N/A (Initial)

Tech Dose Received: .5 mR

Notes: Gross Mass (m) (100 kg)

- 1 Gen Area Dose Rates in mRem/hr
- 2 *#/# = Contact/30cm Dose Rates
- 3 Smears Taken at Circled Locations
- 4 X X = Radiological Boundary
- 5 RCA = Radiological Control Area
- 6 CA = Contaminated Area
- 7 HCA = High Contamination Area
- 8 RA = Radiation Area
- 9 HRA = High Radiation Area
- 10 LHRA = Locked High Radiation Area
- 11 T = Transfer Area
- 12 CAB = Clean Area Boundary



HITACHI

VALLECITOS NUCLEAR CENTER

NUCLEAR SAFETY SURVEY RECORD

SURVEYOR (print and sign)	REVIEWER	NO.
<i>[Signature]</i>	<i>[Signature]</i>	W-018
LOCATION	DATE	TIME
102	3-12-14	0600

REASON		DOSE RATE										DIRECT READING				SMEAR READINGS			
Routine	Special	ITEMS OR LOCATION	β mRad/h	γ mR/h	n mRem/h	TOTAL mRem/h	Distance	β γ CPM	β γ dPM	α CPM	α dPM	β γ CPM	β γ dPM	α CPM	α dPM	AREA			
<input checked="" type="checkbox"/>		Survey 2002 Pask after receiving on site																	
		1 2002 Pask		8		8	C												
		2		2.3		2.3	8'												
		3										1100	4500	120	1200	T			
		4																	
		5 Tool Box		41		41	C					1100	4500	120	1200	T			
		6																	
		7																	
		8 Trailer # T29014 Bed										1100	4500	120	1200	60ft			
		9																	
		10																	
		11																	
		12																	
		13																	
		14																	
		15																	
		16																	
INSTRUMENT USED			103	PRM-7	CP-5	RO-	TBM-	E-120	RM-	RM-	1340	PAC-1SA	LUDLUM-12	144km-3					
SERIAL NUMBER			193											1938					
Area Posted (if applicable)			RA HRA CA RMA AIRBORNE																
COMMENTS			PROBE EFF. (4 P GEO.)																
			PROBE EFF. (4 P GEO.)																
			PROBE EFF. (4 P GEO.)																
			PROBE EFF. (4 P GEO.)																