



NUCLEAR MATERIAL TRANSACTION REPORT

Estimated burden per response to comply with this mandatory collection request: 1 hour and 15 minutes. This information is required for IAEA accounting reports that show changes in inventory of nuclear materials. Send comments regarding burden estimate to the Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [infocollections.Resource@nrc.gov](mailto:infocollections.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NECB-10202, (3150-0003), 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.

1 SHIPPER'S RIB CWA		2 RECEIVER'S RIB CWAA		3 TRANSACTION NO 230402		4 CORRECTION NO		5 PROCESSING CODE		6 ACTION CODE		7 DOCUMENTATION (Only if document is classified SECRET)																												
8a NAME AND ADDRESS OF SHIPPER Fermi National Accelerator Laboratory Wilson and Kirk Roads P O. Box 500 Batavia, IL 60510		8b LICENSE NO		8c NAME AND ADDRESS OF RECEIVER		8d LICENSE NO		9 SHIPPER A		9 RECEIVER		9 SHIPPER A		9 RECEIVER		PAGE   OF   PAGES COPY OF COPIES SERIES																								
10 NO OF DATA LINES		11 NATURE OF TRANSACTION		12a SHIPPED FOR ACCOUNTY OF		12b RIB		13a SHIPPED TO ACCOUNTY OF		13b RIB		14 TRANSFER AUTHORITY - CONTRACT, NM DRAFT, OR ORDER NUMBER		15 EXPORT OR IMPORT TRANSFERS LICENSE NO		16 DISTRIBUTION OF COPIES																								
16 MATERIAL TYPE AND DESCRIPTION Material Type 86. Deuterium gas. 95% Purity. FNAL Number 9003. Deuterium gas discharged to the atmosphere.		17 LINE NUMBER		18 COUNTRY OF OBLIGATION		19 MATERIAL TYPE		20 OBLIGATED ELEMENT WEIGHT		21 OBLIGATED ISOTOPE WEIGHT For Enriched Uranium Only		22 ACTION DATE		MONTH (MM)		DAY (DD)		YEAR (YYYY)																						
23a MISCELLANEOUS Four tanks of deuterium gas discharged to the atmosphere.		23b CONCISE NOTE ATTACHED <input type="checkbox"/>		23c UK REPORTABLE? <input type="checkbox"/> YES <input type="checkbox"/> NO		a SHIPMENT		b SHIPPER'S CORRECTION		c RECEIPT		d RECEIVER'S MEASUREMENT		e RECEIVER'S CORRECTION																										
24 TOTAL GROSS WEIGHT		25 TOTAL VOLUME (Waste Transfers Only)																																						
26. SHIPPER'S DATA	BACK REFERENCE NUMBER	LINE NO.	TYPE OF INV. CHANGE	IDENTIFICATION (ITEM/BATCH NAME)	NO OF ITEMS	PROJECT NUMBER	MATERIAL TYPE	COMP. FACILITY CODE	OWNER CODE	KEY MEAS POINT	MEAS IDENT X			GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT % ISOTOPE	ISOTOPE WEIGHT	ISOTOPE LIMIT OF ERROR																				
	a	b	c	e	f		d	n	l	j	1 BASIS	2 CMP	3 METHOD	l	m	n	o	p	q	r																				
		0174			4CKA1102010	86	537	G											42																					
27. RECEIVER'S DATA	26a. SHIPPER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED <i>Kathy J. Graden</i> 4/19/2023																				27a. RECEIVER'S DATA SIGNATURE OF AUTHORIZED OFFICIAL AND DATE SIGNED																			

**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 RESPECTS. 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.**