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THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20240129-0045.xml

NMMSS REPORT M-742-FAC-CWA-QUA

THIS REPORT MAY CONTAIN CORPORATE PROPRIETARY INFORMATION

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PREPARED BY: NUCLEAR MATERIAL MANAGEMENT AND SAFEGUARDS SYSTEM

> FOR THE U. S. DEPARTMENT OF ENERGY NA-ESH-12

> > UNCLASSIFIED

NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2023 TO 12/31/2023 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY			
	A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED	261,300	523	
RECEIPTS			
40. TOTAL	261,300	523	
REMOVALS			
80. ENDING INVENTORY DOE OWNED	261,300	523	
82. TOTAL	261,300	523	

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS 2. LICENSE NUMBER(S) **3. REPORTING IDENTIFICATION** FERMI NATIONAL ACCELERATOR LAB., ILL SYMBOL (RIS) CWA **4. REPORT PERIOD 5. MATERIAL TYPE** FROM 10/01/2023 TO 12/31/2023 44 - AMERICIUM - 241 /GM MATERIAL ACCOUNTABILITY A. ELEMENT WT. **B.ISOTOPE WT.** 08. BEGINNING INVENTORY - DOE OWNED 11 11 RECEIPTS 40. TOTAL 11 11 REMOVALS 80. ENDING INVENTORY DOE OWNED 11 11 82. TOTAL 11 11

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

B.ISOTOPE WT.

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

B.ISOTOPE WT.

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023

5. MATERIAL TYPE 86 - DEUTERIUM /KG

A. ELEMENT WT.

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

FERMI NATIONAL ACCELERATOR LAB., ILL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2023 TO 12/31/2023 QTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED		261,300	523	
	RECEIPTS			
40. TOTAL		261,300	523	
	REMOVALS			
80. ENDING INVENTORY DOE OWNED		261,300	523	
82. TOTAL		261,300	523	

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS 2. LICENSE NUMBER(S) **3. REPORTING IDENTIFICATION** FERMI NATIONAL ACCELERATOR LAB., ILL SYMBOL (RIS) CWA **4. REPORT PERIOD 5. MATERIAL TYPE** FROM 10/01/2023 TO 12/31/2023 QTD 44 - AMERICIUM - 241 /GM MATERIAL ACCOUNTABILITY A. ELEMENT WT. **B.ISOTOPE WT.** 08. BEGINNING INVENTORY - DOE OWNED 11 11 RECEIPTS 40. TOTAL 11 11 REMOVALS 80. ENDING INVENTORY DOE OWNED 11 11 82. TOTAL 11 11

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023 QTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

B.ISOTOPE WT.

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

UNCLASSIFIED

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

B.ISOTOPE WT.

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023 QTD

5. MATERIAL TYPE 86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2023 TO 12/31/2023 SEMTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATEDIA	L ACCOUNT	ARTI TTV
MAILNIA		ADILIII

	A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED	261,300	523	
RECEIPTS			
40. TOTAL	261,300	523	
REMOVALS			
80. ENDING INVENTORY DOE OWNED	261,300	523	
82. TOTAL	261,300	523	

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL	2. LICENSE NUMBER(S)		ING IDENTIFICATION (RIS) CWA	
	4. REPORT PERIOD FROM 10/01/2023 TO 12/31/2023	5. MATERIA SEMTD 44 - AME	AL TYPE RICIUM - 241 /GM	
MATERIAL ACCOUNTABILI	ſΥ			
	A	. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED)	11	11	
	RECEIPTS			
40. TOTAL		11	11	
	REMOVALS			
80. ENDING INVENTORY DOE OWNED		11	11	
82. TOTAL		11	11	

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

-

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023 SEMTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

B.ISOTOPE WT.

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

B.ISOTOPE WT.

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

LICENSE NOMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023 SEMTD

5. MATERIAL TYPE 86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

5)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2023 TO 12/31/2023 YTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

ΜΔΤΕΡΤΔΙ	ACCOUNTABILITY
PIAILNIAL	ACCOUNTABLETT

	A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED	261,300	523	
RECEIPTS			
40. TOTAL	261,300	523	
REMOVALS			
80. ENDING INVENTORY DOE OWNED	261,300	523	
82. TOTAL	261,300	523	

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL	2. LICENSE NUMBER(S)		RTING IDENTIFICATION DL (RIS) CWA	
	4. REPORT PERIOD FROM 10/01/2023 TO 12/31/2023 Y		RIAL TYPE MERICIUM - 241 /GM	
MATERIAL ACCOUNTABILI	ГҮ			
	Α.	ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED)	11	11	
	RECEIPTS			
40. TOTAL		11	11	
	REMOVALS			
80. ENDING INVENTORY DOE OWNED		11	11	
82. TOTAL		11	11	

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U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023 YTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

B.ISOTOPE WT.

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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NMMSS REPORT M-742

U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

B.ISOTOPE WT.

1. NAME AND ADDRESS

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2023 TO 12/31/2023 YTD

5. MATERIAL TYPE 86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

FERMI NATIONAL ACCELERATOR LAB., ILL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

UNCLASSIFIED

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NMMSS REPORT M-742

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U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 01/29/2024 14:10:45

Parameters Entered

Parameter Name	Value
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20240129-0045.xml
RIS	CWA
STARTDATE	Oct 1 2023 12:00AM
ENDDATE	Dec 31 2023 12:00AM
YTD	Y
SEMTD	Y
QTD	Y
Exclude Waste RIS's	Y
IAEA	Y
MATERIALTYPE	
	SSIETED

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END OF REPORT

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