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THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20240719-0050.xml

NMMSS REPORT M-742-FAC-CWA-QUA

THIS REPORT MAY CONTAIN CORPORATE PROPRIETARY INFORMATION

# UNCLASSIFIED

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 07/19/2024 10:14:22

#### 1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL

\_\_\_\_\_

### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2024 TO 06/30/2024 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY			
	A. ELEMENT WT.	<b>B.ISOTOPE WT.</b>	
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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/19/2024 10:14:22

1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL	2. LICENSE NUMBER(S)		ING IDENTIFICATION (RIS) CWA	
MATERIAL ACCOUNTABIL	4. REPORT PERIOD FROM 04/01/2024 TO 06/30/2024	5. MATERI 4 44 - AMI	AL TYPE ERICIUM - 241 /GM	
		A. ELEMENT WT.	<b>B.ISOTOPE WT.</b>	
08. BEGINNING INVENTORY - DOE OWN	ED	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

RUNTIME 07/19/2024 10:14:22

1. NAME AND ADDRESS

#### 2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

SE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2024 TO 06/30/2024

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 07/19/2024 10:14:22

**B.ISOTOPE WT.** 

1. NAME AND ADDRESS

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2024 TO 06/30/2024

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

## 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 07/19/2024 10:14:22

#### 1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL

## 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2024 TO 06/30/2024 QTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABIL	ITY			
		A. ELEMENT WT.	<b>B.ISOTOPE WT.</b>	
08. BEGINNING INVENTORY - DOE OWN	Ð	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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/19/2024 10:14:22

1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL	2. LICENSE NUMBER(S)		ING IDENTIFICATION (RIS) CWA	
	4. REPORT PERIOD FROM 04/01/2024 TO 06/30/2024	5. MATERI I QTD 44 - AME	AL TYPE RICIUM - 241 /GM	
MATERIAL ACCOUNTABILI	ТҮ			
		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNE	D	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

RUNTIME 07/19/2024 10:14:22

1. NAME AND ADDRESS

#### 2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2024 TO 06/30/2024 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

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

RUNTIME 07/19/2024 10:14:22

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 04/01/2024 TO 06/30/2024 QTD

**5. MATERIAL TYPE** 86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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A. ELEMENT WT. RECEIPTS

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

RUNTIME 07/19/2024 10:14:22

# 1. NAME AND ADDRESS 2. LICENSE NUMBER(S) 3. REPORTING IDENTIFICATION FERMI NATIONAL ACCELERATOR LAB., ILL 4. REPORT PERIOD 5. MATERIAL TYPE FROM 04/01/2024 TO 06/30/2024 SEMTD 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY			
	A. ELEMENT WT.	<b>B.ISOTOPE WT.</b>	
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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/19/2024 10:14:22

#### 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 04/01/2024 TO 06/30/2024 SEMTD 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 07/19/2024 10:14:22

#### 1. NAME AND ADDRESS

#### 2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2024 TO 06/30/2024 SEMTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

**B.ISOTOPE WT.** 

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

40. 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 07/19/2024 10:14:22

1. NAME AND ADDRESS

#### 2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

2. EICENSE NONDER(S

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

**B.ISOTOPE WT.** 

4. REPORT PERIOD

FROM 04/01/2024 TO 06/30/2024 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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/19/2024 10:14:22

#### 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 06/30/2024 YTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL	ACCOUNT	ARTI TTV
MAICKIAL	ACCOUNT	ADILIII

		A. ELEMENT WT.	<b>B.ISOTOPE WT.</b>	
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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/19/2024 10:14:22

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 06/30/2024	5. MATERI YTD 44 - AME	AL TYPE RICIUM - 241 /GM	
MATERIAL ACCOUNTABI	LITY			
		A. ELEMENT WT.	<b>B.ISOTOPE WT.</b>	
08. BEGINNING INVENTORY - DOE OWN	NED	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

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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 06/30/2024 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

## UNCLASSIFIED

### RUNTIME 07/19/2024 10:14:22

NMMSS REPORT M-742

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

RUNTIME 07/19/2024 10:14:22

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 06/30/2024 YTD

**5. MATERIAL TYPE** 86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

40. TOTAL

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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A. ELEMENT WT. **B.ISOTOPE WT.** RECEIPTS REMOVALS

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

RUNTIME 07/19/2024 10:14:22

## **Parameters Entered**

Parameter Name	Value
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20240719-0050.xml
RIS	CWA
STARTDATE	Apr 1 2024 12:00AM
ENDDATE	Jun 30 2024 12:00AM
YTD	Y
SEMTD	Y
QTD	Y
Exclude Waste RIS's	Y
IAEA	Y
MATERIALTYPE	
	SCIETED

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END OF REPORT

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