# MAY CONTAIN PRELIMINARY DATA

PAGE 1 OF 19 RUNTIME 12/03/2021 12:13:00

THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20211203-0038.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-532

> > UNCLASSIFIED

M-742-FAC-CWA-QUA-20211203-0038.xml

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#### NMMSS REPORT M-742

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

RUNTIME 12/03/2021 12:13:00

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

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 07/01/2021 TO 09/30/2021 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNEE	)	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 12/03/2021 12:13:00

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

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 07/01/2021 TO 09/30/2021 5. MATERIAL TYPE 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	

#### PAGE 3 OF 19

# MAY CONTAIN PRELIMINARY DATA

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

A. ELEMENT WT.

RUNTIME 12/03/2021 12:13:00

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

NMMSS REPORT M-742

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 07/01/2021 TO 09/30/2021

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

**B.ISOTOPE WT.** 

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

40. TOTAL

RECEIPTS

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 12/03/2021 12:13:00

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

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 07/01/2021 TO 09/30/2021 5. MATERIAL TYPE 86 - DEUTERIUM /KG

A. ELEMENT WT.	B.ISOTOPE WT.	
	78.8	
	78.8	
	78.8	
	78.8	
	A. ELEMENT WT.	78.8 78.8 78.8

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# MAY CONTAIN PRELIMINARY DATA

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

FROM 07/01/2021 TO 09/30/2021 QTD

2. LICENSE NUMBER(S)

4. REPORT PERIOD

RUNTIME 12/03/2021 12:13:00

# 1. NAME AND ADDRESS

NMMSS REPORT M-742

FERMI NATIONAL ACCELERATOR LAB., ILL

#### 3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

5. MATERIAL TYPE

10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

	A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED	261,300	523	
RECEIPTS	5		
40. TOTAL	261,300	523	
REMOVALS	S		
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

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1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL 3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 07/01/2021 TO 09/30/2021 QTD

2. LICENSE NUMBER(S)

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

A. ELEMENT WT.

RUNTIME 12/03/2021 12:13:00

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

NMMSS REPORT M-742

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 07/01/2021 TO 09/30/2021 QTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

**B.ISOTOPE WT.** 

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

40. TOTAL

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

RUNTIME 12/03/2021 12:13:00

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

# 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 07/01/2021 TO 09/30/2021 QTD 5. MATERIAL TYPE 86 - DEUTERIUM /KG

 Image: Material accountability
 A. Element WT.
 B.ISOTOPE WT.

 08. BEGINNING INVENTORY - DOE OWNED
 RECEIPTS
 78.8

 40. TOTAL
 REMOVALS
 78.8

 80. ENDING INVENTORY DOE OWNED
 REMOVALS
 78.8

 80. ENDING INVENTORY DOE OWNED
 78.8
 78.8

 80. ENDING INVENTORY DOE OWNED
 78.8
 78.8

 80. ENDING INVENTORY DOE OWNED
 78.8
 78.8

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# MAY CONTAIN PRELIMINARY DATA

#### NMMSS REPORT M-742 U. S.

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

RUNTIME 12/03/2021 12:13:00

1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 09/30/2021 SEMTD

2. LICENSE NUMBER(S)

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 12/03/2021 12:13:00

1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL 3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 09/30/2021 SEMTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

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

RUNTIME 12/03/2021 12:13:00

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

NMMSS REPORT M-742

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2021 TO 09/30/2021 SEMTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

**B.ISOTOPE WT.** 

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

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A. ELEMENT WT.

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# MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 12/03/2021 12:13:00

#### 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 04/01/2021 TO 09/30/2021 SEMTD 86 - DEUTERIUM /KG MATERIAL ACCOUNTABILITY A. ELEMENT WT. B.ISOTOPE WT. 08. BEGINNING INVENTORY - DOE OWNED 78.8 RECEIPTS 40. TOTAL 78.8 REMOVALS 80. ENDING INVENTORY DOE OWNED 78.8 82. TOTAL 78.8

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# MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 12/03/2021 12:13:00

# 1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

#### 3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 09/30/2021 YTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

	A. ELEMENT WT.	B.ISOTOPE WT.
08. BEGINNING INVENTORY - DOE OWNED	261,300	523
R	ECEIPTS	
40. TOTAL	261,300	523
R	EMOVALS	
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 12/03/2021 12:13:00

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

2. LICENSE NUMBER(S) 3. R

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 09/30/2021 YTD 5. MATERIAL TYPE 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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# MAY CONTAIN PRELIMINARY DATA

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

**UNCLASSIFIED** 

A. ELEMENT WT.

RUNTIME 12/03/2021 12:13:00

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

NMMSS REPORT M-742

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2020 TO 09/30/2021 YTD

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

**B.ISOTOPE WT.** 

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

40. TOTAL

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# MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 12/03/2021 12:13:00

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#### 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 10/01/2020 TO 09/30/2021 YTD 86 - DEUTERIUM /KG MATERIAL ACCOUNTABILITY A. ELEMENT WT. B.ISOTOPE WT. 08. BEGINNING INVENTORY - DOE OWNED 78.8 RECEIPTS 40. TOTAL 78.8 REMOVALS 80. ENDING INVENTORY DOE OWNED 78.8 82. TOTAL 78.8

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

RUNTIME 12/03/2021 12:13:00

# Parameters Entered

Parameter Name	<u>Value</u>
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20211203-0038.xml
RIS	CWA
STARTDATE	Jul 1 2021 12:00AM
ENDDATE	Sep 30 2021 12:00AM
YTD	Υ
SEMTD	Υ
QTD	Υ
Exclude Waste RIS's	Υ
IAEA	Υ
MATERIALTYPE	

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# END OF REPORT

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M-742-FAC-CWA-QUA-20211203-0038.xml