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THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20210122-0007.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-20210122-0007.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 01/22/2021 16:12:11

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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 10/01/2020 TO 12/31/2020 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL	ACCOUNTABILITY
	// DIEI II

		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 01/22/2021 16:12:11

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

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

MATERIAL	ACCOUNTABILITY			
		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTO	DRY - 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 01/22/2021 16:12:11

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 12/31/2020

5. MATERIAL TYPE 60 - ENRICHED LITHIUM /KG

B.ISOTOPE WT.

MATERIAL ACCOUNTABILITY

08. BEGINNING INVENTORY - DOE OWNED

REMOVALS

RECEIPTS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

40. TOTAL

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

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 5. MATERIAL TYPE 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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1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 QTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNE	D	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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1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S) 3. REPORTING IDENTIFICATION

SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 QTD 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 01/22/2021 16:12:11

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 12/31/2020 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

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2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 QTD 5. MATERIAL TYPE 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

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

NMMSS REPORT M-742

3. REPORTING IDENTIFICATION

SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 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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1. NAME AND ADDRESS FERMI NATIONAL ACCELERATOR LAB., ILL 3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 SEMTD

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 01/22/2021 16:12:11

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 12/31/2020 SEMTD

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 01/22/2021 16:12:11

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 12/31/2020 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

NMMSS REPORT M-742

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

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3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 YTD 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

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

3. REPORTING IDENTIFICATION

SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 YTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

B.ISOTOPE WT.

11

MATERIAL ACCOUNTABILITY	
	A. ELEMENT WT.
08. BEGINNING INVENTORY - DOE OWNED	11
	RECEIPTS

RECEIPTS		
40. TOTAL	11	11
REMOVALS		
80. ENDING INVENTORY DOE OWNED	11	11
82. TOTAL	11	11

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A. ELEMENT WT.

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NMMSS REPORT M-742

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2020 TO 12/31/2020 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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3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2020 TO 12/31/2020 YTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 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

 82. TOTAL
 78.8

UNCLASSIFIED

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

RUNTIME 01/22/2021 16:12:11

Parameters Entered

Parameter Name	<u>Value</u>
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20210122-0007.xml
RIS	CWA
STARTDATE	Oct 1 2020 12:00AM
ENDDATE	Dec 31 2020 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-20210122-0007.xml