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PAGE 1 OF 19 RUNTIME 07/22/2020 09:51:22

THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20200722-0006.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-20200722-0006.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 07/22/2020 09:51:22

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

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2020 TO 06/30/2020 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

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NMMSS REPORT M-742

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

RUNTIME 07/22/2020 09:51:22

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

# 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2020 TO 06/30/2020 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

RUNTIME 07/22/2020 09:51:22

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

NMMSS REPORT M-742

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION

A. ELEMENT WT.

SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2020 TO 06/30/2020

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 07/22/2020 09:51:22

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

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2020 TO 06/30/2020 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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/22/2020 09:51:22

1. NAME AND ADDRESS

NMMSS REPORT M-742

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REP0

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2020 TO 06/30/2020 QTD

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

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

4. REPORT PERIOD FROM 04/01/2020 TO 06/30/2020 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
REC	CEIPTS	
40. TOTAL	11	11
REM	OVALS	
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 07/22/2020 09:51:22

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 04/01/2020 TO 06/30/2020 QTD

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

PAGE 8 OF 19

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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 04/01/2020 TO 06/30/2020 QTD

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

 40. TOTAL
 RECEIPTS

 80. ENDING INVENTORY DOE OWNED
 78.8

 80. ENDING INVENTORY DOE OWNED
 78.8

 82. TOTAL
 78.8

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NMMSS REPORT M-742

#### 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 04/01/2020 TO 06/30/2020 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	5		
40. TOTAL	261,300	523	
REMOVAL	S		
80. ENDING INVENTORY DOE OWNED	261,300	523	
82. TOTAL	261,300	523	

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M-742-FAC-CWA-QUA-20200722-0006.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 07/22/2020 09:51:22

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

4. REPORT PERIOD FROM 04/01/2020 TO 06/30/2020 SEMTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

MATERI	AL 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 07/22/2020 09:51:22

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 04/01/2020 TO 06/30/2020 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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY GENERATED

RUNTIME 07/22/2020 09:51:22

#### 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 04/01/2020 TO 06/30/2020 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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#### 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 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2019 TO 06/30/2020 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	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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NMMSS REPORT M-742

#### 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 10/01/2019 TO 06/30/2020 YTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

	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 07/22/2020 09:51:22

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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 10/01/2019 TO 06/30/2020 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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#### 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) 3. REPORTING IDENTIFICATION FERMI NATIONAL ACCELERATOR LAB., ILL SYMBOL (RIS) CWA 4. REPORT PERIOD 5. MATERIAL TYPE FROM 10/01/2019 TO 06/30/2020 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 07/22/2020 09:51:22

# **Parameters Entered**

Parameter Name	<u>Value</u>
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20200722-0006.xml
RIS	CWA
STARTDATE	Apr 1 2020 12:00AM
ENDDATE	Jun 30 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-20200722-0006.xml