# MAY CONTAIN PRELIMINARY DATA

PAGE 1 OF 19 RUNTIME 01/21/2020 15:53:48

THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20200121-0050.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-532

> > UNCLASSIFIED

M-742-FAC-CWA-QUA-20200121-0050.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 01/21/2020 15:53:48

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 12/31/2019 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 01/21/2020 15:53:48

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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 12/31/2019 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.

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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 12/31/2019

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

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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 12/31/2019 5. MATERIAL TYPE 86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY	
	A. ELEMENT WT. B.ISOTOPE WT.
08. BEGINNING INVENTORY - DOE OWNED	78.8
RECEI	S
40. TOTAL	78.8
REMOV	LS
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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4. REPORT PERIOD FROM 10/01/2019 TO 12/31/2019 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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#### 2

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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

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4. REPORT PERIOD FROM 10/01/2019 TO 12/31/2019 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.

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NMMSS REPORT M-742

#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2019 TO 12/31/2019 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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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 12/31/2019 QTD 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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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 10/01/2019 TO 12/31/2019 SEMTD 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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#### U. S. NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (U) MATERIAL BALANCE REPORT BY FACILITY

2. LICENSE NUMBER(S)

#### GENERATED

#### RUNTIME 01/21/2020 15:53:48

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

NMMSS REPORT M-742

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2019 TO 12/31/2019 SEMTD 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 01/21/2020 15:53:48

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 12/31/2019 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

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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 12/31/2019 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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#### 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 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2019 TO 12/31/2019 YTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BE	GINNING INVENTORY - DOE OWNED	261,300	523	
	RECEIPTS			
40. TC	DTAL	261,300	523	
	REMOVALS			
80. EN	IDING INVENTORY DOE OWNED	261,300	523	
82. TC	DTAL	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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PAGE 15 OF 19

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3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 10/01/2019 TO 12/31/2019 YTD 5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

MATERIAL ACCOUNTABILITY			
	A. ELEMENT WT.	B.ISOTOPE WT.	
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RECEIPTS			
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REMOVALS			
80. ENDING INVENTORY DOE OWNED	11	11	
82. TOTAL	11	11	

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#### 2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 10/01/2019 TO 12/31/2019 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 12/31/2019 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 01/21/2020 15:53:48

# **Parameters Entered**

Parameter Name	Value
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20200121-0050.xml
RIS	CWA
STARTDATE	Oct 1 2019 12:00AM
ENDDATE	Dec 31 2019 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-20200121-0050.xml