MAY CONTAIN PRELIMINARY DATA

PAGE 1 OF 19 RUNTIME 07/23/2021 14:23:01

THIS DOCUMENT CONSISTS OF 19 PAGES

(U) MATERIAL BALANCE REPORT BY FACILITY

M-742-FAC-CWA-QUA-20210723-0049.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-20210723-0049.xml

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

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

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.	B.ISOTOPE WT.	
261,300	523	
261,300	523	
261,300	523	
261,300	523	
	261,300 261,300 261,300	261,300 523 261,300 523 261,300 523 261,300 523

PAGE 2 OF 19

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

PAGE 3 OF 19

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

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 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	

MAY CONTAIN PRELIMINARY DATA

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

A. ELEMENT WT.

RUNTIME 07/23/2021 14:23:01

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 06/30/2021

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

PAGE 4 OF 19

MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 07/23/2021 14:23:01

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

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 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

UNCLASSIFIED

PAGE 5 OF 19

MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 07/23/2021 14:23:01

PAGE 6 OF 19

1. NAME AND ADDRESS

NMMSS REPORT M-742

2. LICENSE NUMBER(S)

FERMI NATIONAL ACCELERATOR LAB., ILL

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 QTD 5. MATERIAL TYPE 10 - DEPLETED URANIUM /KG

	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	

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

PAGE 7 OF 19

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

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 QTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

	A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENTORY - DOE OWNED	11	11	
REC	CEIPTS		
40. TOTAL	11	11	
REM	IOVALS		
80. ENDING INVENTORY DOE OWNED	11	11	
82. TOTAL	11	11	

MAY CONTAIN PRELIMINARY DATA

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

A. ELEMENT WT.

RUNTIME 07/23/2021 14:23:01

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 06/30/2021 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

PAGE 8 OF 19

MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 07/23/2021 14:23:01

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

3. REPORTING IDENTIFICATION SYMBOL (RIS) CWA

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 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	
R	CEIPTS		
40. TOTAL		78.8	
RE	MOVALS		
80. ENDING INVENTORY DOE OWNED		78.8	
82. TOTAL		78.8	

PAGE 9 OF 19

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

PAGE 10 OF 19

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

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 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	

UNCLASSIFIED

M-742-FAC-CWA-QUA-20210723-0049.xml

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

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

4. REPORT PERIOD FROM 04/01/2021 TO 06/30/2021 SEMTD

2. LICENSE NUMBER(S)

5. MATERIAL TYPE 44 - AMERICIUM - 241 /GM

MATERIAI	ACCOUNTABILITY
	ACCOUNTABLETT

	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	

UNCLASSIFIED

PAGE 11 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 07/23/2021 14:23:01

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 06/30/2021 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

PAGE 12 OF 19

MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 07/23/2021 14:23:01

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 06/30/2021 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

UNCLASSIFIED

PAGE 13 OF 19

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

PAGE 14 OF 19

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 06/30/2021 YTD 5. MATERIAL TYPE

10 -	DEPLETE	D URANI I	UM /KG

		A. ELEMENT WT.	B.ISOTOPE WT.	
08. BEGINNING INVENT	DRY - 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	

MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

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

RUNTIME 07/23/2021 14:23:01

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

4. REPORT PERIOD FROM 10/01/2020 TO 06/30/2021 YTD

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	

PAGE 15 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 07/23/2021 14:23:01

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 06/30/2021 YTD

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 16 OF 19

MAY CONTAIN PRELIMINARY DATA

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

RUNTIME 07/23/2021 14:23:01

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 06/30/2021 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

UNCLASSIFIED

PAGE 17 OF 19

MAY CONTAIN PRELIMINARY DATA

PAGE 18 OF 19

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

RUNTIME 07/23/2021 14:23:01

Parameters Entered

Parameter Name	<u>Value</u>
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20210723-0049.xml
RIS	CWA
STARTDATE	Apr 1 2021 12:00AM
ENDDATE	Jun 30 2021 12:00AM
YTD	Y
SEMTD	Y
QTD	Y
Exclude Waste RIS's	Y
IAEA	Y
MATERIALTYPE	

PAGE 19 OF 19

END OF REPORT

UNCLASSIFIED

M-742-FAC-CWA-QUA-20210723-0049.xml