

UNCLASSIFIED

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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 2 OF 19

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 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

PAGE 3 OF 19

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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 4 OF 19

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

60 - ENRICHED LITHIUM /KG

## MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

B. ISOTOPE WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 5 OF 19

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

## 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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 6 OF 19

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

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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 7 OF 19

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

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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 8 OF 19

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

60 - ENRICHED LITHIUM /KG

## MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

B. ISOTOPE WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL



## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 9 OF 19

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

## 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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 10 OF 19

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 04/01/2021 TO 09/30/2021 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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 11 OF 19

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 04/01/2021 TO 09/30/2021 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

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

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

MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

B. ISOTOPE WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 13 OF 19

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

## 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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 14 OF 19

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 10/01/2020 TO 09/30/2021 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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 15 OF 19

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 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

## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 16 OF 19

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

## 5. MATERIAL TYPE

60 - ENRICHED LITHIUM /KG

## MATERIAL ACCOUNTABILITY

A. ELEMENT WT.

B. ISOTOPE WT.

08. BEGINNING INVENTORY - DOE OWNED

RECEIPTS

40. TOTAL

REMOVALS

80. ENDING INVENTORY DOE OWNED

82. TOTAL



## MAY CONTAIN PRELIMINARY DATA

NMMSS REPORT M-742

PAGE 17 OF 19

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

## 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

## 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

## Parameters Entered

<u>Parameter Name</u>	<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	Y
SEMTD	Y
QTD	Y
Exclude Waste RIS's	Y
IAEA	Y
MATERIALTYPE	

**END  
OF  
REPORT**