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**PAGE 1 OF 19
RUNTIME 07/21/2023 11:21:57**

**THIS DOCUMENT CONSISTS OF 19 PAGES
(U) MATERIAL BALANCE REPORT BY FACILITY**

M-742-FAC-CWA-QUA-20230721-0042.xml

NMMSS REPORT M-742-FAC-CWA-QUA

THIS REPORT MAY CONTAIN CORPORATE PROPRIETARY INFORMATION

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**PREPARED BY:
NUCLEAR MATERIAL MANAGEMENT AND SAFEGUARDS SYSTEM**

**FOR
THE U. S. DEPARTMENT OF ENERGY
NA-ESH-12**

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

RUNTIME 07/21/2023 11:21:57

1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S)

3. REPORTING IDENTIFICATION

SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 04/01/2023 TO 06/30/2023

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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5. MATERIAL TYPE

44 - AMERICIUM - 241 /GM

MATERIAL ACCOUNTABILITY

		A. ELEMENT WT.	B. ISOTOPE WT.
08. BEGINNING INVENTORY - DOE OWNED		11	11
40. TOTAL	RECEIPTS	11	11
80. ENDING INVENTORY DOE OWNED	REMOVALS	11	11
82. TOTAL		11	11

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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

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5. MATERIAL TYPE

86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

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08. BEGINNING INVENTORY - DOE OWNED		78.8
09. BEGINNING INVENTORY - NOT DOE OWNED		
	RECEIPTS	
40. TOTAL		78.8
	REMOVALS	
54. SHIPMENTS - MISCELLANEOUS		74.6
74. NORMAL OPERATIONAL LOSSES		
FERMI NATL ACC DISCARD TO ATMOSPHERE	CWA	4.2
80. ENDING INVENTORY DOE OWNED		
82. TOTAL		78.8

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RECEIPTS

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Parameters Entered

<u>Parameter Name</u>	<u>Value</u>
ReportID	M-742
ReportLevel	FAC
ReportResponsibleRIS	CWA
ReportFrequency	QUA
ReportFileName	M-742-FAC-CWA-QUA-20230721-0042.xml
RIS	CWA
STARTDATE	Apr 1 2023 12:00AM
ENDDATE	Jun 30 2023 12:00AM
YTD	Y
SEMTD	Y
QTD	Y
Exclude Waste RIS's	Y
IAEA	Y
MATERIALTYPE	

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**END
OF
REPORT**

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