

UNCLASSIFIED

MAY CONTAIN PRELIMINARY DATA

PAGE 1 OF 19
RUNTIME 12/18/2023 08:15:02

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

M-742-FAC-CWA-QUA-20231218-0031.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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M-742-FAC-CWA-QUA-20231218-0031.xml

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

RUNTIME 12/18/2023 08:15:02

1. NAME AND ADDRESS

FERMI NATIONAL ACCELERATOR LAB., ILL

2. LICENSE NUMBER(S)**3. REPORTING IDENTIFICATION**

SYMBOL (RIS) CWA

4. REPORT PERIOD

FROM 07/01/2023 TO 09/30/2023

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

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|-------------------------------------|----------|-----------------------|----------------------|
| 08. BEGINNING INVENTORY - DOE OWNED | | 11 | 11 |
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60 - ENRICHED LITHIUM /KG

MATERIAL ACCOUNTABILITY

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B. ISOTOPE WT.

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5. MATERIAL TYPE

86 - DEUTERIUM /KG

MATERIAL ACCOUNTABILITY

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B. ISOTOPE WT.

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FROM 04/01/2023 TO 09/30/2023 SEMTD

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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 | CWAA | 4.2 |
| 80. | ENDING INVENTORY DOE OWNED | | |
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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-20231218-0031.xml |
| RIS | CWA |
| STARTDATE | Jul 1 2023 12:00AM |
| ENDDATE | Sep 30 2023 12:00AM |
| YTD | Y |
| SEMTD | Y |
| QTD | Y |
| Exclude Waste RIS's | Y |
| IAEA | Y |
| MATERIALTYPE | |

**END
OF
REPORT**