

070-00008  
public/PDR



**Battelle**

Putting Technology To Work

505 King Avenue  
Columbus, Ohio 43201-2693  
Telephone (614) 424-6424  
Facsimile (614) 424-5263

SNM-7

April 4, 1997

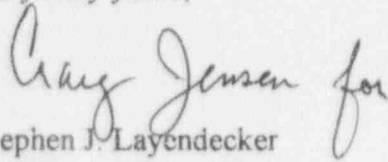
U.S. Nuclear Regulatory Commission  
Nuclear Materials Licensing Branch  
801 Warrensville Road  
Lisle, IL 60532-4351

Gentlemen:

We are enclosing one copy each of our Materials Balance Report (Form DOE/NRC-742 and 742C) covering license material held at Battelle for the period ending March 31, 1997.

Any questions regarding this report should be directed to James L. Stickel at (614) 424-5202.

Very truly yours,

  
Stephen J. Layendecker  
Radiation Safety Officer

SJL:JLS:psm\*nrc.ltr  
Enclosure

cc: Mr. Thomas Baillieul  
U.S. Department of Energy  
Columbus Area Office  
555 Metro Place North, Ste. 415  
Dublin, OH 43017



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Pm: 4-8-97

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U.S. DEPARTMENT OF ENERGY  
AND  
U.S. NUCLEAR REGULATORY COMMISSION  
**MATERIAL BALANCE REPORT**

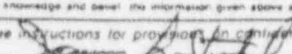
OMB Control No.  
1910 - 1800  
(Public Disclosure  
on Back)

1. NAME AND ADDRESS BATTELLE 505 King Avenue Columbus, OH 43201		2. LICENSE NUMBER(S) SNM-7		3. REPORTING IDENTIFI- CATION SYMBOL (RIS) ZBK	
		4. REPORT PERIOD 10/1/1996 3/31/1997		5. MATERIAL TYPE PU-239 (Submit separate report for each type) 50	
SECTION A MATERIAL ACCOUNTABILITY					
7. DOE/NRC 740M ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO		A. ELEMENT WEIGHT		B. ISOTOPE WEIGHT	
8. BEGINNING INVENTORY — DOE OWNED		20		18	
9. BEGINNING INVENTORY — NOT DOE OWNED					
11. PROCUREMENT FROM DOE FROM		RECEIPTS RIS			
13. PROCUREMENT — FOR THE ACCOUNT OF DOE					
14. DOE RETURNS — USE A					
15. DOE RETURNS — USE B					
16. DOE RETURNS — OTHER USES					
21. PRODUCTION					
22. FROM OTHER MATERIALS		a. ICT			
		b. ICT			
		c. ICT			
30. RECEIPTS REPORTED TO DOE/NRC ON DOE/NRC FORM 741 (Not listed elsewhere) FROM		RIS			
38. DONATED MATERIAL — FROM DOE TO OTHERS					
39. DONATED MATERIAL — FROM OTHERS TO DOE					
40. TOTAL (Lines 8-39)		20		18	
41. EXPENDED IN SPACE PROGRAMS		REMOVALS			
42. SALES TO DOE RIS TO TO		RIS			
43. SALES TO OTHERS FOR THE ACCOUNT OF DOE TO		RIS			
44. DOE — USE A					
45. DOE — USE B					
46. DOE — OTHER USES					
47. EXPENDED IN DOE TESTS					
48. ROUTINE TESTS					
49. SHIPPER — RECEIVER DIFFERENCE					
51. SHIPMENTS REPORTED TO NRC/DOE ON DOE NRC FORM 741 (Not listed elsewhere) TO		RIS			
58. DONATED MATERIAL — TO DOE BY OTHERS					
59. DONATED MATERIAL — TO OTHERS BY DOE					
71. DEGRADATION TO OTHER MATERIALS		a. ICT			
		b. ICT			
72. DECAY					
73. FISSION AND TRANSMUTATION					
74. NORMAL OPERATIONAL LOSSES/MEASURED DISCROS					
75. ACCIDENTAL LOSSES					
76. APPROVED WRITE-OFFS					
77. INVENTORY DIFFERENCE					
80. ENDING INVENTORY — DOE OWNED					
81. ENDING INVENTORY — NOT DOE OWNED		20		18	
82. TOTAL (Lines 41-81)					
83. BIAS ADJUSTMENT					
SECTION B COUNTRY CONTROL NUMBER DATA					
1. COUNTRY CONTROL NUMBER USUSUS00		2. ELEMENT WEIGHT 20		3. ISOTOPE WEIGHT 18	
4. TOTAL WEIGHT (Total must agree with total on line 80 or 81 or both)					
SECTION C CERTIFICATION					
To the best of my knowledge and belief, the information given above and in any attached schedules is true, complete, and correct.					
SIGNATURE (See instructions for provisions on confidentiality.)		TITLE		DATE 4/3/1997	

[illegible]

10. DATE  
4/3/1997

U.S. DEPARTMENT OF ENERGY  
AND  
U.S. NUCLEAR REGULATORY COMMISSION  
MATERIAL BALANCE REPORTOMB Control No.  
1910 - 1800  
(Public Disclosure  
on Back)

1. NAME AND ADDRESS BATTELLE 505 King Avenue Columbus, OH 43201		2. LICENSE NUMBER(S) SNM-7		3. REPORTING IDENTIFICATION SYMBOL (RIS) ZBKH	
		4. REPORT PERIOD 10/1/1996 3/31/1997		5. MATERIAL TYPE PU-238 (Submit separate report for each type) 83	
SECTION A MATERIAL ACCOUNTABILITY					
7. DOE/NRC 7401 ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO		A. ELEMENT WEIGHT		B. ISOTOPE WEIGHT	
8. BEGINNING INVENTORY — DOE OWNED					
9. BEGINNING INVENTORY — NOT DOE OWNED		13.7		12.0	
11. PROCUREMENT FROM DOE		RECEIPTS			
FROM		RIS			
13. PROCUREMENT — FOR THE ACCOUNT OF DOE					
14. DOE RETURNS — USE A					
15. DOE RETURNS — USE B					
16. DOE RETURNS — OTHER USES					
21. PRODUCTION					
22. FROM OTHER MATERIALS		a. ICT			
		b. ICT			
		c. ICT			
30. RECEIPTS REPORTED TO DOE/NRC ON DOE/NRC FORM 741 (Not listed elsewhere)					
FROM		RIS			
38. DONATED MATERIAL — FROM DOE TO OTHERS					
39. DONATED MATERIAL — FROM OTHERS TO DOE					
40. TOTAL (Lines 8-39)		13.7		12.0	
41. EXPENDED IN SPACE PROGRAMS		REMOVALS			
42. SALES TO DOE RIS TO		RIS			
TO					
43. SALES TO OTHERS FOR THE ACCOUNT OF DOE		RIS			
TO					
44. DOE — USE A					
45. DOE — USE B					
46. DOE — OTHER USES					
47. EXPENDED IN DOE TESTS					
48. ROUTINE TESTS					
49. SHIPPER — RECEIVER DIFFERENCE					
51. SHIPMENTS REPORTED TO NRC/DOE ON DOE NRC FORM 741 (Not listed elsewhere)					
TO		RIS			
56. DONATED MATERIAL — TO DOE BY OTHERS					
59. DONATED MATERIAL — TO OTHERS BY DOE					
71. DEGRADATION TO OTHER MATERIALS		a. ICT			
		b. ICT			
72. DECAY					
73. FISSION AND TRANSMUTATION					
74. NORMAL OPERATIONAL LOSSES/MEASURED DISCARDS					
75. ACCIDENTAL LOSSES					
76. APPROVED WRITE-OFFS					
77. INVENTORY DIFFERENCE					
80. ENDING INVENTORY — DOE OWNED					
81. ENDING INVENTORY — NOT DOE OWNED					
82. TOTAL (Lines 41-81)		13.7		12.0	
83. BIAS ADJUSTMENT					
SECTION B COUNTRY CONTROL NUMBER DATA					
1. COUNTRY CONTROL NUMBER		2. ELEMENT WEIGHT		3. ISOTOPE WEIGHT	
USUSUS00		13.7		12.0	
4. TOTAL WEIGHT (Total must agree with total on line 80 or 81 or both)					
SECTION C CERTIFICATION					
To the best of my knowledge and belief the information given above and in any attached schedules is true, complete, and correct.					
SIGNATURE (See instructions for provisions on confidentiality)		TITLE		DATE	
				4/3/1997	
18 U.S.C. SECTION 1001, ACT OF JUNE 25, 1948, STAT. 749, MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTERS WITHIN ITS JURISDICTION.					

(7-80)  
MANDATORY DATA COLLECTION  
AUTHORIZED BY 16 CFR 30, 40, 50,  
70, 75, 150, Public Laws 83-703,  
93-438, 95-91

U.S. DEPARTMENT OF ENERGY  
AND  
U.S. NUCLEAR REGULATORY COMMISSION  
PHYSICAL INVENTORY LISTING

APPROVED BY OMD  
038-R0480  
APPROVED BY GAO  
8-180225 (R0690)  
Expires 6-30-83

1. NAME BATTELLE			2. DOE/NRC FORM 740M ATTACHED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		4. REPORTING IDENTIFICATION SYMBOL (RIS) ZBKH	
STREET ADDRESS 505 King Avenue			3. INVENTORY DATE 3/31/1997		5. LICENSE NUMBER(S) SNM-7	
CITY Columbus	STATE OH	ZIP CODE 43201				

## 6. BATCH DATA

[illegible]

To the best of my knowledge and belief, the information given above and in any attached schedules is true, complete, and correct.

8. SIGNATURE (See instructions for provisions regarding confidentiality.)

9. TITLE

10. DATE

4/3/1997

18 U.S.C. SECTION 1001; ACT OF JUNE 25, 1948; 62 STAT. 749; MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTERS WITHIN ITS JURISDICTION.