



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 18, 1990

ALL AGREEMENT STATES

LOW-LEVEL WASTE VOLUMES AND ACTIVITIES FOR THE SITES (SP-90-70)

Enclosed for your information are tables showing volumes and activities of waste buried at the three commercial low-level radioactive waste sites cumulative through 1989. Questions concerning this information may be directed to Cardelia F. Maupin at 301-492-0312.


Vandy L. Miller, Assistant Director
for State Agreements Program
State Programs
Office of Governmental and Public Affairs

Enclosures:
As stated

VOLUME OF WASTE AND AMOUNT OF ACTIVITY BURIED AT LOW-LEVEL SITES;
A. CUMULATIVE FROM BEGINNING OF OPERATIONS THROUGH 1989 AND B. FOR CALENDAR YEAR 1989

LOCATION	CLASS A ACTIVITY (millicuries)	CLASS A VOLUME (cubic feet)	CLASS B ACTIVITY (millicuries)	CLASS B VOLUME (cubic feet)	CLASS C ACTIVITY (millicuries)	CLASS C VOLUME (cubic feet)
Beatty, NV.						
* A.	9.25×10^6	1.46×10^6	4.62×10^7	2.97×10^3	7.63×10^6	1.37×10^3
B.	4.25×10^6	1.13×10^5	3.40×10^7	1.50×10^3	4.42×10^6	1.08×10^3
BARNWELL, SC						
** A.	5.52×10^7	5.28×10^6	1.23×10^8	2.08×10^5	9.67×10^8	4.9×10^4
B.	1.78×10^7	1.06×10^6	6.74×10^7	3.01×10^4	6.40×10^8	1.22×10^4
Hanford, WA.						
A.	3.52×10^7	4.73×10^6	3.35×10^8	4.42×10^4	4.28×10^8	3.62×10^4
B.	6.51×10^6	4.00×10^5	5.98×10^7	4.30×10^3	3.27×10^7	3.22×10^3
TOTAL						
A.	9.98×10^7	1.15×10^7	5.04×10^8	2.55×10^5	1.40×10^9	8.66×10^4
B.	2.86×10^7	1.57×10^6	1.61×10^8	3.59×10^4	6.77×10^8	1.65×10^4

*The cumulative totals reported for the Beatty site is a total of volumes and activities reported for 1986, 1987, 1988, and 1989.

**The cumulative totals reported for the Barnwell site under Class A, Class B, and Class C activities columns are a total of volumes and activities reported for 1987, 1988, and 1989.

VOLUME OF WASTE AND AMOUNT OF ACTIVITY BURIED AT LOW-LEVEL SITES:
A. CUMULATIVE FROM BEGINNING OF OPERATIONS THROUGH 1989 AND B. FOR CALENDAR YEAR 1989

LOCATION	PLUTONIUM (KG)	SPECIAL NUCLEAR MATERIAL (KG)	SOURCE MATERIAL (LB)	BYPRODUCT MATERIAL (Ci)	VOLUME BURIED $\times 10^6$ (FT ³)	REMAINING SITE CAPACITY (FT ³)
BEATTY, NV.						
A.	3.82×10^{-3}	2.72×10^2	2.82×10^6	5.10×10^5	4.13	
B.	2.93×10^{-3}	6.07×10^{-1}	1.12×10^5	4.27×10^4	1.16×10^{-1}	3.35×10^6
BARNWELL, SC						
A.	N/A	2.60×10^3	2.67×10^7	4.64×10^6	2.18×10^1	
B.	N/A	1.01×10^2	2.68×10^6	7.25×10^5	1.10	1.28×10^6
MANFORD, MA.						
A.	34.13	1.44×10^2	1.28×10^7	2.00×10^6	1.12×10^1	
B.	2.29×10^{-3}	1.78×10^1	2.28×10^5	9.90×10^4	4.08×10^{-1}	NOT REPORTED
TOTAL						
A.	34.13	3.02×10^3	4.23×10^7	7.15×10^6	3.72×10^1	
B.	5.22×10^{-3}	1.19×10^2	2.92×10^6	8.67×10^5	1.52	

**Cumulative totals reported under "Plutonium" column for Beatty sites is a total of amounts reported for 1988 and 1989.

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Ref: SA/WK

SOUTH CAROLINA

WASHINGTON

NEVADA

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Enclosed for your information are tables showing volume and activity of waste buried at the three commercial low-level radioactive waste sites cumulative through 1988. Questions concerning this information may be directed to Kathleen Schneider at (301) 492-0320.

original signed by Vandy L. Miller

Vandy L. Miller, Assistant Director
for State Agreements Program
State, Local and Indian Tribe Programs
Office of Governmental and Public Affairs

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A. CUMULATIVE FROM BEGINNING OF OPERATIONS THROUGH 1988 AND B. FOR CALENDAR YEAR 1988

LOCATION	CLASS A ACTIVITY (millicuries)	CLASS A VOLUME (cubic feet)	CLASS B ACTIVITY (millicuries)	CLASS B VOLUME (cubic feet)	CLASS C ACTIVITY (millicuries)	CLASS C VOLUME (cubic feet)
Beatty, NV.						
A.	NOT REPORTED	NOT REPORTED	NOT REPORTED	NOT REPORTED	NOT REPORTED	NOT REPORTED
B.	2.55 X 10 ⁶	9.25 X 10 ³	3.59 X 10 ⁶	6.88 X 10 ³	2.55 X 10 ⁶	2.28 X 10 ³
BARNWELL, SC						
A.	NOT REPORTED	4.22 X 10 ⁶	NOT REPORTED	1.78 X 10 ³	NOT REPORTED	3.74 X 10 ³
B.	2.77 X 10 ⁷	8.89 X 10 ³	2.75 X 10 ⁷	3.38 X 10 ⁴	1.64 X 10 ⁶	9.57 X 10 ³
Hanford, WA.						
A.	2.87 X 10 ⁷	4.53 X 10 ⁶	2.75 X 10 ⁶	3.99 X 10 ⁴	3.95 X 10 ⁶	3.30 X 10 ³
B.	4.58 X 10 ⁶	3.97 X 10 ⁶	2.29 X 10 ⁷	4.15 X 10 ³	4.63 X 10 ⁶	2.40 X 10 ³
TOTAL						
A.	2.87 X 10 ⁷	8.55 X 10 ⁶	2.75 X 10 ⁶	2.18 X 10 ³	3.95 X 10 ⁶	7.04 X 10 ³
B.	3.46 X 10 ⁷	2.21 X 10 ⁶	5.40 X 10 ⁷	3.86 X 10 ⁴	1.71 X 10 ⁶	1.22 X 10 ³

VOLUME OF WASTE AND AMOUNT OF ACTIVITY BURIED AT LOW-LEVEL SITES;
A. CUMULATIVE FROM BEGINNING OF OPERATIONS THROUGH 1988 AND B. FOR CALENDAR YEAR 1988

LOCATION	PLUTONIUM (KG)	SPECIAL NUCLEAR MATERIAL (KG)	SOURCE MATERIAL (LB)	BYPRODUCT MATERIAL (Ci)	VOLUME BURIED $\times 10^6$ (FT ³)	REMAINING SITE CAPACITY (FT ³)
BEATTY, NV.						
A.		271.9	2.71×10^6	4.67×10^6	4.01	3.66×10^6
B.	8.93×10^{-4}	0.4	8.36×10^4	8.74×10^3	0.09	
BARNWELL, SC						
A.	N/A	2,503.7	2.40×10^7	3.92×10^6	20.70	1.40×10^6
B.	N/A	101.7	3.15×10^6	2.19×10^6	0.93	
HANFORD, WA.						
A.	34.13	126.3	1.26×10^7	1.89×10^6	10.82	NOT REPORTED
B.	2.50×10^{-3}	1.6	5.10×10^6	3.20×10^4	0.40	
TOTAL						
A.	34.13	2,901.8	3.93×10^7	6.28×10^6	35.53	
B.	3.39×10^{-3}	103.7	3.7×10^6	2.60×10^6	1.42	