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**1990 State-by-State
Assessment of Low-Level
Radioactive Wastes Received at
Commercial Disposal Sites**

*National Low-Level Waste
Management Program*

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September 1991

National Low-Level Waste
Management Program
Idaho Falls, Idaho 83415-3960

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ABSTRACT

Each year the National Low-Level Waste Management Program publishes a state-by-state assessment report. This annual report provides both national and state-specific disposal data on low-level radioactive wastes. Data in this report are categorized according to disposal site, generator category, waste class, volume, and activity. Included in this report are tables showing a distribution of wastes by state for 1990 and a comparison of waste volumes by state for 1986 through 1990; also included is a list of all commercial nuclear power reactors in the United States as of December 31, 1990. In this year's report, a distinction has been made between low-level radioactive waste shipped directly by generators for disposal and that which was handled by an intermediary.

NOTICE

The information presented in this report is meant to be informative to the reader and provide accurate disposal figures for the commercial low-level radioactive waste being shipped for disposal within the United States. Comments and suggestions as to how this document may better address your needs for information on this subject are welcomed. Comments may be sent to the address listed below:

Department of Energy
National Low-Level Waste Management Program
P.O. Box 1625
Idaho Falls, Idaho 83415-3960

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1990 STATE-BY-STATE ASSESSMENT OF LOW-LEVEL RADIOACTIVE WASTES RECEIVED AT COMMERCIAL DISPOSAL SITES

1. INTRODUCTION

The National Low-Level Waste Management Program has published twelve annual state-by-state assessment reports. These reports provide both national and state-specific disposal data that assist states in managing low-level radioactive waste (LLW), as specified in the Low-Level Radioactive Waste Policy Act (Public Law 96-573) and the Low-Level Radioactive Waste Policy Amendments Act of 1985 (LLRWPA, Public Law 99-240).

Over the past twelve years, every state has generated some quantity of commercial LLW. These wastes are generated from a variety of commercial sources, such as:

- Government and industrial research
- Electrical power generation
- Medical diagnostic and therapeutic services
- Various manufacturing processes.

Before publication of the first state-by-state report in 1979, researchers studied the quantities and radioactivity levels of LLW disposed of in the United States. The first report was designed to assist states in extrapolating accurate estimates of disposal rates by separating wastes into four broad categories:

- Institutional
- Industrial
- Government
- Utility.

In 1983, the categories were further refined by establishing more specific categories such as:

- Academic
- Government
- Industrial
- Medical
- Utility.

Currently, commercial disposal sites report actual volumes disposed¹ for each of these five categories.

The volume of LLW disposed of at commercial disposal sites exceeded 3.7 million cubic feet in 1980. This represents the highest reported annual disposal volume of LLW during the history of the state-by-state assessment documents. From 1981 through 1990, the volume of LLW disposed of at commercial disposal sites declined to 1,142,810 cubic feet.

The 1,142,810 cubic feet of LLW disposed of in 1990 continued the downward trend of low-level radioactive waste disposal and is the lowest reported volume in the report's history. A list of 1990 LLW volumes and radioactivity by state is provided in Table 1. Only Puerto Rico, which is treated as a state under the LLRWPA, and the State of Vermont reported no LLW shipments in 1990.

The first state-by-state assessment used several data sources. These included U.S. Nuclear Regulatory Commission records on nuclear power plant waste shipments,¹ the U.S. Department of Energy Solid Waste Information Management Systems² for information on defense wastes shipped to commercial sites, and the University of Maryland (at Baltimore) studies on national institutional waste generation.^{3,4} Since its initial publication, this report has been modified and expanded as more detailed state information became available from the disposal sites. Results from generator surveys and feedback from state officials continue to improve understanding of the sources of LLW and the quality of the data.

Data in this report have been quality checked by comparing data from two sources: (a) monthly disposal activity reports supplied by the regulatory agencies of the sited states of Nevada, South Carolina, and Washington, and (b) shipment manifest data obtained from the three commercial LLW disposal sites for LLW received.

In addition to the verification process, a peer review of the draft report was conducted by representatives of the individual states' radiation control programs. A list of state radiation control program representatives is included in Appendix C.

Table 1. 1990 Waste distribution by state, as reported by disposal site operators

States	Volume (ft ³)	Activity (curies)
Alabama	14,237.55	4,857.73
Alaska	33.51	225.46
Arizona	27,751.46	246.85
Arkansas	6,239.42	14.39
Army Out U.S.	35.80	0.03
California	55,956.54	5,537.69
Colorado	2,309.16	1,451.28
Connecticut	34,138.42	255,037.79
Delaware	843.83	0.42
District Of Columbia	538.72	5.13
Florida	24,587.01	6,808.40
Georgia	55,286.71	29,053.84
Hawaii	4,738.86	0.68
Idaho	40.06	0.42
Illinois	98,360.33	8,253.48
Indiana	1,956.01	43.67
Iowa	5,557.86	37,807.79
Kansas	3,232.54	66.54
Kentucky	4,616.06	61.10
Louisiana	11,329.30	994.08
Maine	7,856.78	193.25
Maryland	17,037.94	4,725.05
Massachusetts	40,612.73	86,641.44
Michigan	36,038.53	21,372.83
Minnesota ^a	26,864.92	1,183.80
Mississippi	5,981.24	1,368.53
Missouri	19,609.59	919.62
Montana	195.00	0.07
Nebraska	15,558.87	377.88
Nevada	313.44	0.73
New Hampshire	206.44	0.08
New Jersey	52,878.94	3,717.50
New Mexico	1,843.54	0.88
New York	71,284.34	12,701.84
North Carolina	48,097.71	3,650.70
North Dakota	32.90	0.02
Ohio	24,146.85	4,315.70
Oklahoma	21,967.85	3.05

a. Minnesota totals include 42.20 ft³ and 1.19 curies generated in Hong Kong by a U.S. owned, Minnesota based, Company.

Table 1. (continued)

<u>States</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Oregon	59,456.32	592.90
Pennsylvania	101,604.10	47,305.67
Rhode Island	159.83	0.25
South Carolina	46,927.41	2,208.45
South Dakota	1,169.64	0.05
Tennessee	83,401.85	1,209.64
Texas	9,201.67	1,650.32
Utah	5,338.12	1.40
Virginia	57,765.63	1,923.95
Washington	26,141.09	1,397.77
West Virginia	95.18	0.19
Wisconsin	9,217.32	569.68
Wyoming	15.00	1.88
Total	1,142,809.92	547,901.89

2. 1990 REPORTING METHOD AND SUMMARY

The data for the 1990 State-by-State report were developed from the Department of Energy's Manifest Information System with data originating from the LLW shipment manifests recorded at the three commercial LLW disposal sites located at Barnwell, South Carolina; Beatty, Nevada; and Richland, Washington.^b This information is presented in Appendix A.

Reports in this series generated for 1979 through 1987 have attributed waste processed or consolidated into larger shipments at intermediate waste management facilities to the states in which those facilities were located. The reports generated for 1988 and subsequent years attribute waste volume, activity, and generator type by source to the original state in which it was generated, even when brokered shipments included waste generated in more than one state. This reporting change was made possible because of modifications in the manifesting requirements for brokered shipments at the sited states. The waste volumes for states such as Tennessee, where a significant volume of waste is processed at several large facilities, were the most notably affected.

Two classifications of waste shipments are identified in this year's report.

- Non-Direct: Shipments from the generator sent to the disposal facility through an intermediary
- Direct: Shipments sent directly to the disposal facility.

In 1990 approximately 36% of all waste shipped for disposal was categorized as Non-Direct.

The data are arranged to help the reader locate information, ranging from the total commercial LLW disposed of within the United States to the specifics of LLW disposed of by each state.

The information presented covers the distribution of LLW by:

- Volume
- Activity
- Waste classification
- Waste generator type
- Disposal site
- Waste that has been subject to intermediate handling.

b. Data obtained from Chem-Nuclear Systems, Inc., for the Barnwell, South Carolina, low-level radioactive waste disposal site, as defined by subcontract number C87-131476, and data obtained from U.S. Ecology, Inc. operated low-level radioactive waste disposal sites located in Beatty, Nevada, and Richland, Washington, from Utility Data Institute, as defined by subcontract number C87-131477. Utility Data Institute is the exclusive licensee and marketing agent for the American Ecology Time Sharing Service.

Waste generator types include:

- Academic
- Government
- Industrial.
- Medical
- Utility

The utility category includes commercial nuclear power reactors. The academic category includes university hospitals and university medical and nonmedical research facilities. Medical generators include hospitals and clinics, research facilities, and private medical offices. The industrial category includes private entities such as research and development companies, manufacturers, nondestructive testing, mining, fuel fabrication facilities, and radiopharmaceutical manufacturers. The government category includes state and Federal agencies.

Appendix B contains a comparison of LLW disposal volumes by state for the most recent five-year period, and a complete list of the commercial nuclear power reactors located in the United States as of December 31, 1990.

A review of the data found in this report will show that, in 1990, commercial LLW disposal facilities received a total volume of 1,142,810 cubic feet of waste, with an activity of 547,902 curies. Waste distribution by disposal site is presented in Table 2; Tables 3 and 4 provide typical radionuclide and waste forms associated with commercial LLW.

Table 2. Distribution of low-level radioactive waste received at disposal sites in 1990

<u>Site</u>	<u>Volume (ft³)</u>	<u>Percent of Total</u>	<u>Activity (curies)</u>	<u>Percent of Total</u>
Barnwell	788,032	69	443,594	81
Beatty	59,479	5	11,323	2
Richland	295,299	26	92,985	17
Total	1,142,810	100	547,902	100

Table 3. Most frequently reported low-level radioactive waste radionuclides received at disposal sites in 1990

<u>Reactors</u>	<u>Academic</u>	<u>Medical</u>	<u>Industrial</u>	<u>Government</u>
⁶⁰ Co	¹²⁵ I	⁵¹ Cr	NatTh	⁶⁰ Co
¹⁴ C	³ H	³ H	NatU	⁵⁵ Fe
⁵⁵ Fe	³⁵ S	¹²⁵ I	²³⁸ U	⁵⁴ Mn
³ H	¹⁴ C	³⁵ S	¹⁴ C	⁶³ Ni
¹³⁷ Cs	⁵¹ Cr	¹⁴ C	³ H	⁵⁸ Co
⁵⁴ Mn	³² P	⁵⁷ Co	¹³⁷ Cs	¹⁴ C
⁵⁸ Co	⁴⁵ Ca	⁵⁹ Fe	⁶⁰ Co	
⁹⁹ Tc		³² P	²⁴¹ Pu	
⁶³ Ni		²³⁸ U	²²⁶ Ra	
¹²⁹ I				

Table 4. Typical waste forms, by generator categories⁵

Academic

Compacted trash or solids
Institutional laboratory or biological waste
Absorbed liquids
Animal carcasses

Government

Compacted trash or solids
Contaminated plant hardware
Absorbed liquids

Industrial

Depleted uranium
Compacted trash or solids
Contaminated plant hardware
Absorbed liquids
Sealed sources

Medical

Compacted trash or solids
Institutional laboratory or biological waste
Absorbed liquids
Sealed sources

Utilities

Spent resins
Evaporator bottoms and concentrated waste
Filter sludges
Dry compressible waste
Irradiated components
Contaminated plant hardware

3. REFERENCES

1. U.S. Nuclear Regulatory Commission, Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light Water Cooled Nuclear Power Plants, Regulatory Guide 1.21, Revision 1, June 1974.
2. U.S. Department of Energy, Solid Waste Information Management System (SWIMS)—Actual Solid Waste Generated for Fiscal Year 1979, February 22, 1980.
3. R. L. Anderson, L. R. Cooley, T. J. Beck, C. S. Strauss, Institutional Radioactive Waste, NUREG/CR-0028, Radiation Safety Office, University of Maryland at Baltimore, March 1978.
4. T. J. Beck, L. R. Cooley, M. R. McCampbell, Institutional Radioactive Wastes—1977, Radiation Safety Office, University of Maryland at Baltimore (draft), June 1979.
5. Conference of Radiation Control Program Directors, Inc., "Low-Level Radioactive Waste Management Survey Summary, " Frankfort, Kentucky, 1984.

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APPENDIX A

**1990 LOW-LEVEL RADIOACTIVE WASTE ASSESSMENTS BY
COMPACT REGION AND STATE**

The volume and activity totals on the following pages may not sum exactly due to computer-generated rounding.

INDEX OF STATES

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UNITED STATES **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites^a**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	48,555.10	1,096.04
Government	72,353.51	10,151.86
Industrial	356,343.98	102,855.67
Medical	22,792.13	59.45
Utility	642,765.20	433,738.88
Total	1,142,809.92	547,901.89

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

a. Data in this, and all succeeding pages in Appendix A, were provided by the Department of Energy's Manifest Information System. Data originated with Chem Nuclear Systems, Inc., and Utility Data Inst., Inc., from References (5) and (6) of the main text.

UNITED STATES

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	788,031.90	443,594.19
Beatty	59,479.22	11,322.77
Richland	295,298.80	92,984.93
Total	1,142,809.92	547,901.89

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	1,106,774.95
B	26,531.09
C	9,518.88
Total	1,142,809.92
Grand Total (curies)	547,901.89

APPALACHIAN COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

States	Volume (ft ³)	Activity (curies)
Delaware	843.83	0.42
Maryland	17,037.94	4,725.05
Pennsylvania	101,604.10	47,305.67
West Virginia	95.18	0.19
Total	119,581.05	52,031.33

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

DELAWARE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	47.93	0.04
Industrial	<u>795.90</u>	<u>0.38</u>
Total	843.83	0.42

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

DELAWARE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	130.89	0.11
Richland	712.94	0.31
Total	843.83	0.42

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

MARYLAND **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	417.58	1.45
Government	5,733.89	82.10
Industrial	6,045.82	524.06
Medical	302.95	0.37
Utility	4,537.70	4,117.08
Total	17,037.94	4,725.05

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MARYLAND

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	15,412.88	4,691.89
Beatty	586.39	31.18
Richland	1,038.67	1.97
Total	17,037.94	4,725.05

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	6,049.68
B	240.60
C	172.30
Total	6,462.58
Non-Direct Shipments	10,575.36
Grand Total	17,037.94
Total Direct Shipment Activity (curies)	4,603.37
Total Non-Direct Shipment Activity (curies)	121.68
Grand Total (curies)	4,725.05

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

PENNSYLVANIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	1,501.76	2.59
Government	490.36	3,688.80
Industrial	16,573.75	166.26
Medical	1,655.25	2.74
Utility	81,382.98	43,445.28
Total	101,604.10	47,305.67

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

PENNSYLVANIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	84,221.23	46,141.14
Beatty	1,963.21	795.61
Richland	15,419.66	368.92
Total	101,604.10	47,305.67

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	65,719.30
B	2,451.20
C	773.30
Total	68,943.80
Non-Direct Shipments	32,660.30
Grand Total	101,604.10
Total Direct Shipment Activity (curies)	42,700.31
Total Non-Direct Shipment Activity (curies)	4,605.36
Grand Total (curies)	47,305.67

WEST VIRGINIA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Government	2.00	< .01
Industrial	15.68	0.06
Medical	77.50	0.13
Total	95.18	0.19

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

WEST VIRGINIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	0.68	< .01
Beatty	19.50	0.06
Richland	75.00	0.13
Total	95.18	0.19

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	0.68
B	0.00
C	0.00
Total	0.68
Non-Direct Shipments	94.50
Grand Total	95.18
Total Direct Shipment Activity (curies)	< .01
Total Non-Direct Shipment Activity (curies)	0.19
Grand Total (curies)	0.19

CENTRAL COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

States	Volume (ft ³)	Activity (curies)
Arkansas	6,239.42	14.39
Kansas	3,232.54	66.54
Louisiana	11,329.30	994.08
Nebraska	15,558.87	377.88
Oklahoma	21,967.85	3.05
Total	58,327.98	1,455.94

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

ARKANSAS **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	200.96	0.03
Industrial	7.50	< .01
Medical	43.94	0.05
Utility	5,987.02	14.30
Total	6,239.42	14.39

VOLUME PERCENTAGE BY SOURCE
(Percentage <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ARKANSAS **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	5,987.02	14.30
Beatty	2.54	0.05
Richland	249.86	0.03
Total	6,239.42	14.39

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages >.1% Are Not Displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

KANSAS **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	39.79	0.13
Government	7.50	< .01
Industrial	248.88	34.30
Medical	0.27	0.39
Utility	2,936.10	31.73
Total	3,232.54	66.54

VOLUME PERCENTAGE BY SOURCE
(Percentage <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

KANSAS

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	2,992.20	31.74
Beatty	19.47	1.03
Richland	220.87	33.77
Total	3,232.54	66.54

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	2,851.80
B	0.00
C	84.30
Total	2,936.10
Non-Direct Shipments	296.44
Grand Total	3,232.54
Total Direct Shipment Activity (curies)	31.73
Total Non-Direct Shipment Activity (curies)	34.81
Grand Total (curies)	66.54

LOUISIANA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	32.58	0.47
Government	0.10	< .01
Industrial	375.96	0.25
Medical	21.00	< .01
Utility	10,899.66	993.36
Total	11,329.30	994.08

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

LOUISIANA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	10,902.46	993.36
Beatty	9.90	< .01
Richland	416.94	0.72
Total	11,329.30	994.08

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	5,696.40
B	0.00
C	182.40
Total	5,878.80
Non-Direct Shipments	5,450.50
Grand Total	11,329.30
Total Direct Shipment Activity (curies)	980.13
Total Non-Direct Shipment Activity (curies)	13.95
Grand Total (curies)	994.08

NEBRASKA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	1.10	< .01
Industrial	351.15	1.49
Medical	4.52	0.72
Utility	15,202.10	375.66
Total	15,558.87	377.88

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NEBRASKA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	2,899.60	5.84
Beatty	414.35	143.91
Richland	12,244.92	228.13
Total	15,558.87	377.88

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	12,468.70
B	150.00
C	0.00
Total	12,618.70
Non-Direct Shipments	2,940.17
Grand Total	15,558.87
Total Direct Shipment Activity (curies)	374.36
Total Non-Direct Shipment Activity (curies)	3.52
Grand Total (curies)	377.88

OKLAHOMA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	122.92	0.15
Government	37.50	2.12
Industrial	21,798.00	0.77
Medical	9.43	0.01
Total	21,967.85	3.05

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

OKLAHOMA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	19,718.86	0.45
Beatty	37.50	2.12
Richland	2,211.49	0.48
Total	21,967.85	3.05

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	21,786.40
B	0.00
C	0.00
Total	21,786.40
Non-Direct Shipments	181.45
Grand Total	21,967.85
Total Direct Shipment Activity (curies)	0.73
Total Non-Direct Shipment Activity (curies)	2.32
Grand Total (curies)	3.05

CENTRAL MIDWEST COMPACT Low-Level Radioactive Wastes Received at Commercial Disposal Sites

<u>States</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Illinois	98,360.33	8,253.48
Kentucky	4,616.06	61.10
Total	102,976.39	8,314.58

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

ILLINOIS

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	1,248.74	10.00
Government	1,032.11	310.49
Industrial	5,160.23	75.42
Medical	1,474.98	2.27
Utility	89,444.27	7,855.30
Total	98,360.33	8,253.48

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ILLINOIS

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	71,309.81	5,417.81
Beatty	5,322.12	2,165.92
Richland	21,728.40	669.74
Total	98,360.33	8,253.48

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	49,929.25
B	3,584.50
C	613.60
Total	54,127.35
Non-Direct Shipments	44,232.98
Grand Total	98,360.33
Total Direct Shipment Activity (curies)	7,758.26
Total Non-Direct Shipment Activity (curies)	495.22
Grand Total (curies)	8,253.48

KENTUCKY

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	428.35	0.40
Government	1,299.20	59.56
Industrial	2,888.51	1.14
Total	4,616.06	61.10

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

KENTUCKY

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	1,298.70	59.56
Beatty	12.22	0.17
Richland	3,305.14	1.37
Total	4,616.06	61.10

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	1,280.00
B	0.00
C	0.00
Total	1,280.00
Non-Direct Shipments	3,336.06
Grand Total	4,616.06
Total Direct Shipment Activity (curies)	< .01
Total Non-Direct Shipment Activity (curies)	61.10
Grand Total (curies)	61.10

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

MIDWEST COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

States	Volume (ft ³)	Activity (curies)
Indiana	1,956.01	43.67
Iowa	5,557.86	37,807.79
Michigan	36,038.53	21,372.83
Minnesota	26,822.72	1,182.61
Missouri	19,609.59	919.62
Ohio	24,146.85	4,315.70
Wisconsin	9,217.32	569.68
Total	123,348.88	66,211.90

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

IOWA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	271.76	0.05
Government	0.50	0.01
Industrial	393.70	0.51
Medical	3.30	0.09
Utility	4,888.60	37,807.13
Total	5,557.86	37,807.79

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

IOWA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	4,512.50	37,354.85
Beatty	158.20	0.62
Richland	887.16	452.33
Total	5,557.86	37,807.79

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	2,582.80
B	135.80
C	250.70
Total	2,969.30
Non-Direct Shipments	2,588.56
Grand Total	5,557.86
Total Direct Shipment Activity (curies)	37,801.01
Total Non-Direct Shipment Activity (curies)	6.78
Grand Total (curies)	37,807.79

INDIANA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	533.28	22.89
Government	2.00	11.25
Industrial	1,353.42	8.35
Medical	27.87	0.30
Utility	39.44	0.87
Total	1,956.01	43.67

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

INDIANA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	1,579.30	16.27
Beatty	107.02	27.17
Richland	269.69	0.23
Total	1,956.01	43.67

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	1,192.20
B	0.00
C	0.00
Total	1,192.20
Non-Direct Shipments	763.81
Grand Total	1,956.01
Total Direct Shipment Activity (curies)	4.54
Total Non-Direct Shipment Activity (curies)	39.13
Grand Total (curies)	43.67

MICHIGAN

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	1,658.45	64.16
Government	39.77	17.51
Industrial	1,104.03	35.86
Medical	374.38	0.47
Utility	32,861.90	21,254.84
Total	36,038.53	21,372.83

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MICHIGAN

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	27,509.59	21,251.90
Beatty	459.64	79.94
Richland	8,069.30	40.99
Total	36,038.53	21,372.83

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	19,751.50
B	1,085.00
C	114.80
Total	20,951.30
Non-Direct Shipments	15,087.23
Grand Total	36,038.53
Total Direct Shipment Activity (curies)	21,180.04
Total Non-Direct Shipment Activity (curies)	192.79
Grand Total (curies)	21,372.83

MINNESOTA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	23.92	0.05
Government	23.00	8.00
Industrial	22,221.52	153.14
Medical	887.48	2.92
Utility	3,709.00	1,019.69
Total	26,864.92	1,183.80

VOLUME PERCENTAGE BY SOURCE
(Percents <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percents <.1% are not displayed)

MINNESOTA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	3,118.04	927.51
Beatty	207.30	151.32
Richland	23,539.58	104.98
Total	26,864.92	1,183.80

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	23,415.60
B	527.70
C	0.00
Total	23,943.30
Non-Direct Shipments	2,921.62
Grand Total	26,864.92
Total Direct Shipment Activity (curies)	1,019.63
Total Non-Direct Shipment Activity (curies)	164.17
Grand Total (curies)	1,183.80

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

MISSOURI

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	3,221.49	188.32
Government	2.00	28.65
Industrial	13,281.80	392.51
Medical	29.90	0.19
Utility	3,074.40	309.95
Total	19,609.59	919.62

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MISSOURI

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	13,095.63	467.67
Beatty	1,218.71	392.53
Richland	5,295.25	59.42
Total	19,609.59	919.62

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	12,665.70
B	286.20
C	0.00
Total	12,951.90
Non-Direct Shipments	6,657.69
Grand Total	19,609.59
Total Direct Shipment Activity (curies)	484.48
Total Non-Direct Shipment Activity (curies)	435.14
Grand Total (curies)	919.62

OHIO

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	1,028.00	61.47
Government	39.16	88.72
Industrial	2,016.35	14.22
Medical	91.84	1.33
Utility	20,971.50	4,149.95
Total	24,146.85	4,315.70

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

OHIO

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	11,530.75	2,807.54
Beatty	323.86	139.42
Richland	12,292.24	1,368.74
Total	24,146.85	4,315.70

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	19,163.60
B	312.10
C	114.80
Total	19,590.50
Non-Direct Shipments	4,556.35
Grand Total	24,146.85
Total Direct Shipment Activity (curies)	4,146.37
Total Non-Direct Shipment Activity (curies)	169.33
Grand Total (curies)	4,315.70

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

WISCONSIN **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	129.74	0.60
Government	4.01	< .01
Industrial	347.30	0.68
Medical	50.99	0.51
Utility	8,685.28	567.90
Total	9,217.32	569.68

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

WISCONSIN **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	8,571.16	561.22
Beatty	67.65	6.74
Richland	578.51	1.72
Total	9,217.32	569.68

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	5,385.20
B	599.50
C	0.00
Total	5,984.70
Non-Direct Shipments	3,232.62
Grand Total	9,217.32
Total Direct Shipment Activity (curies)	558.94
Total Non-Direct Shipment Activity (curies)	10.74
Grand Total (curies)	569.68

NORTHEAST COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>States</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Connecticut	34,138.42	255,037.79
New Jersey	52,878.94	3,717.50
Total	87,017.36	258,755.29

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

CONNECTICUT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	2,035.68	5.46
Government	1,716.70	0.51
Industrial	5,667.99	15.45
Medical	133.25	0.20
Utility	24,584.80	255,016.17
Total	34,138.42	255,037.79

VOLUME PERCENTAGE BY SOURCE
(Percentages < .1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages < .1% are not displayed)

CONNECTICUT

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	30,744.61	255,023.51
Beatty	36.60	0.98
Richland	3,357.21	13.30
Total	34,138.42	255,037.79

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	19,881.20
B	1,536.40
C	1,438.70
Total	22,856.30
Non-Direct Shipments	11,282.12
Grand Total	34,138.42
Total Direct Shipment Activity (curies)	255,014.21
Total Non-Direct Shipment Activity (curies)	23.58
Grand Total (curies)	255,037.79

NEW JERSEY **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	5,311.65	5.13
Government	2.00	5.42
Industrial	17,887.74	151.46
Medical	3,677.06	4.04
Utility	26,000.49	3,551.44
Total	52,878.94	3,717.50

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NEW JERSEY **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	42,175.41	3,638.51
Beatty	1,349.52	3.15
Richland	9,354.01	75.84
Total	52,878.94	3,717.50

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	21,331.98
B	1,938.60
C	191.10
Total	23,461.68
Non-Direct Shipments	29,417.26
Grand Total	52,878.94
Total Direct Shipment Activity (curies)	3,534.25
Total Non-Direct Shipment Activity (curies)	183.24
Grand Total (curies)	3,717.50

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

NORTHWEST COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

States	Volume (ft ³)	Activity (curies)
Alaska	33.51	225.46
Hawaii	4,738.86	0.68
Idaho	40.06	0.42
Montana	195.00	0.07
Oregon	59,456.32	592.90
Utah	5,338.12	1.40
Washington	26,141.09	1,397.77
Total	95,942.96	2,218.70

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

ALASKA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Government	3.51	3.46
Industrial	30.00	222.00
Total	33.51	225.46

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ALASKA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Beatty	30.00	222.00
Richland	3.51	3.46
Total	33.51	225.46

VOLUME PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
 (Percentages <.1% are not displayed)

HAWAII **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	14.07	0.17
Government	4,724.79	0.51
Total	4,738.86	0.68

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

HAWAII

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Richland	4,738.86	0.68
Total	4,738.86	0.68

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	4,724.79
B	0.00
C	0.00
Total	4,724.79
Non-Direct Shipments	14.07
GrandTotal	4,738.86
Total Direct Shipment Activity (curies)	0.51
Total Non-Direct Shipment Activity (curies)	0.17
Grand Total (curies)	0.68

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

IDAHO

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	30.60	0.07
Industrial	9.39	0.35
Medical	0.07	< .01
Total	40.06	0.42

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

IDAHO

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	9.46	0.35
Richland	30.60	0.07
Total	40.06	0.42

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

MONTANA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	<u>195.00</u>	<u>0.07</u>
Total	195.00	0.07

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MONTANA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Richland	<u>195.00</u>	<u>0.07</u>
Total	195.00	0.07

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	150.00
B	0.00
C	<u>0.00</u>
Total	150.00
Non-Direct Shipments	<u>45.00</u>
Grand Total	195.00
Total Direct Shipment Activity (curies)	0.05
Total Non-Direct Shipment Activity (curies)	<u>0.02</u>
Grand Total (curies)	0.07

OREGON **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	316.86	1.90
Industrial	56,728.31	5.50
Medical	7.05	0.05
Utility	2,404.10	585.45
Total	59,456.32	592.90

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

OREGON

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	15.07	0.64
Richland	59,441.25	592.26
Total	59,456.32	592.90

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	56,609.40
B	132.00
C	132.00
Total	56,873.40
Non-Direct Shipments	2,582.92
Grand Total	59,456.32
Total Direct Shipment Activity (curies)	586.64
Total Non-Direct Shipment Activity (curies)	6.26
Grand Total (curies)	592.90

UTAH **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	753.86	0.91
Industrial	4,571.13	0.36
Medical	13.13	0.13
Total	5,338.12	1.40

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

UTAH

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	22.35	0.25
Richland	5,315.77	1.14
Total	5,338.12	1.39

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	4,633.00
B	0.00
C	0.00
Total	4,633.00
Non-Direct Shipments	705.12
Grand Total	5,338.12
Total Direct Shipment Activity (curies)	0.24
Total Non-Direct Shipment Activity (curies)	1.15
Grand Total (curies)	1.39

WASHINGTON

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	1,316.13	4.92
Government	8,445.50	92.41
Industrial	3,951.15	9.92
Medical	641.51	0.11
Utility	11,786.80	1,290.40
Total	26,141.09	1,397.77

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

WASHINGTON

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	16.15	0.72
Richland	26,124.94	1,397.05
Total	26,141.09	1,397.77

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	22,029.72
B	707.80
C	0.00
Total	22,737.52
Non-Direct Shipments	3,403.57
GrandTotal	26,141.09
Total Direct Shipment Activity (curies)	1,388.26
Total Non-Direct Shipment Activity (curies)	9.51
Grand Total (curies)	1,397.77

ROCKY MOUNTAIN COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

States	Volume (ft ³)	Activity (curies)
Colorado	2,309.16	1,451.28
Nevada	313.44	0.73
New Mexico	1,843.54	0.88
Wyoming	15.00	1.88
Total	4,481.14	1,454.78

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

COLORADO **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	933.70	7.32
Government	47.35	0.11
Industrial	704.08	1,443.25
Medical	117.73	0.18
Utility	506.30	0.42
Total	2,309.16	1,451.28

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

COLORADO **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	1,963.18	1,451.23
Richland	345.98	0.05
Total	2,309.16	1,451.28

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

NEVADA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	286.70	0.51
Government	0.50	0.13
Industrial	15.16	0.01
Medical	11.08	0.08
Total	313.44	0.73

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NEVADA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Beatty	<u>313.44</u>	<u>0.73</u>
Total	313.44	0.73

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

NEW MEXICO **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	600.00	0.69
Industrial	1,243.54	0.19
Total	1,843.54	0.88

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NEW MEXICO **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Beatty	<u>1,843.54</u>	<u>0.88</u>
Total	1,843.54	0.88

VOLUME PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
 (Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	1,230.00
B	0.00
C	<u>0.00</u>
Total	1,230.00
Non-Direct Shipments	<u>613.54</u>
Grand Total	1,843.54
Total Direct Shipment Activity (curies)	0.72
Total Non-Direct Shipment Activity (curies)	<u>0.16</u>
Grand Total (curies)	0.88

WYOMING **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Industrial	<u>15.00</u>	<u>1.88</u>
Total	15.00	1.88

VOLUME PERCENTAGE BY SOURCE
(Percents <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percents <.1% are not displayed)

WYOMING **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Beatty	<u>15.00</u>	<u>1.88</u>
Total	15.00	1.88

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

SOUTHEAST COMPACT

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

States	Volume (ft ³)	Activity (curies)
Alabama	14,237.55	4,857.73
Florida	24,587.01	6,808.40
Georgia	55,286.71	29,053.84
Mississippi	5,981.24	1,368.53
North Carolina	48,097.71	3,050.70
South Carolina	46,927.41	2,208.45
Tennessee	83,401.85	1,209.64
Virginia	57,765.63	1,923.95
Total	336,285.11	50,481.25

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

ALABAMA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	602.63	1.38
Government	104.60	4,474.22
Industrial	571.00	3.40
Medical	17.40	0.04
Utility	12,941.92	378.69
Total	14,237.55	4,857.73

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ALABAMA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	13,723.54	4,856.14
Beatty	4.01	0.03
Richland	510.00	1.56
Total	14,237.55	4,857.73

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	5,326.00
B	558.40
C	76.60
Total	5,961.00
Non-Direct Shipments	8,276.55
Grand Total	14,237.55
Total Direct Shipment Activity (curies)	365.59
Total Non-Direct Shipment Activity (curies)	4,492.14
Grand Total (curies)	4,857.73

FLORIDA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	866.45	2.88
Government	18.10	6.98
Industrial	857.59	0.84
Medical	41.47	0.78
Utility	22,803.40	6,796.92
Total	24,587.01	6,808.40

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

FLORIDA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	24,518.04	6,807.73
Beatty	4.17	0.66
Richland	64.80	0.01
Total	24,587.01	6,808.40

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	6,573.10
B	866.30
C	261.10
Total	7,700.50
Non-Direct Shipments	16,886.51
Grand Total	24,587.01
Total Direct Shipment Activity (curies)	6,770.68
Total Non-Direct Shipment Activity (curies)	37.72
Grand Total (curies)	6,808.40

GEORGIA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	271.21	17.24
Government	25.10	7.46
Industrial	580.51	5.72
Medical	3.23	< .01
Utility	54,406.66	29,023.43
Total	55,286.71	29,053.84

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

GEORGIA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	<u>55,286.71</u>	<u>29,053.84</u>
Total	55,286.71	29,053.84

VOLUME PERCENTAGE BY DISPOSAL SITE
(percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	42,745.38
B	2,057.80
C	<u>360.74</u>
Total	45,163.92
Non-Direct Shipments	<u>10,122.79</u>
Grand Total	55,286.71
Total Direct Shipment Activity (curies)	29,041.73
Total Non-Direct Shipment Activity (curies)	<u>12.11</u>
Grand Total (curies)	29,053.84

MISSISSIPPI **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	18.36	< .01
Government	9.05	17.75
Industrial	230.18	0.44
Medical	2.45	< .01
Utility	5,721.20	1,350.34
Total	5,981.24	1,368.53

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MISSISSIPPI

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	<u>5,981.24</u>	<u>1,368.53</u>
Total	5,981.24	1,368.53

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	4,700.00
B	0.00
C	<u>0.00</u>
Total	4,700.00
Non-Direct Shipments	<u>1,281.24</u>
Grand Total	5,981.24
Total Direct Shipment Activity (curies)	1,348.45
Total Non-Direct Shipment Activity (curies)	<u>20.09</u>
Grand Total (curies)	1,368.53

NORTH CAROLINA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	3,668.31	623.01
Government	30.60	318.73
Industrial	16,440.75	16.82
Medical	33.70	0.04
Utility	27,924.35	2,092.10
Total	48,097.71	3,050.70

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NORTH CAROLINA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	48,078.67	2,434.59
Beatty	19.04	616.11
Total	48,097.71	3,050.70

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	30,295.84
B	675.20
C	132.96
Total	31,104.00
Non-Direct Shipments	16,993.71
Grand Total	48,097.71
Total Direct Shipment Activity (curies)	2,092.41
Total Non-Direct Shipment Activity (curies)	958.29
Grand Total (curies)	3,050.70

SOUTH CAROLINA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	1,082.91	0.72
Government	7,536.70	137.70
Industrial	12,386.36	21.18
Utility	25,921.44	2,048.84
Total	46,927.41	2,208.45

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

SOUTH CAROLINA Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	46,919.91	2,208.42
Richland	7.50	0.03
Total	46,927.41	2,208.45

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	25,585.76
B	828.00
C	741.70
Total	27,155.46
Non-Direct Shipments	19,771.95
Grand Total	46,927.41
Total Direct Shipment Activity (curies)	2,183.71
Total Non-Direct Shipment Activity (curies)	24.75
Grand Total (curies)	2,208.45

TENNESSEE

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	654.52	1.36
Industrial	73,240.61	546.44
Medical	202.72	0.40
Utility	9,304.00	661.45
Total	83,401.85	1,209.64

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

TENNESSEE

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	83,337.20	1,209.34
Beatty	20.45	0.18
Richland	44.20	0.12
Total	83,401.85	1,209.64

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	46,767.50
B	120.30
C	120.30
Total	47,008.10
Non-Direct Shipments	36,393.75
Grand Total	83,401.85
Total Direct Shipment Activity (curies)	1,153.85
Total Non-Direct Shipment Activity (curies)	55.79
Grand Total (curies)	1,209.64

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

VIRGINIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	710.69	0.75
Government	32,388.90	58.81
Industrial	12,380.65	6.88
Medical	1.89	0.02
Utility	12,283.50	1,857.50
Total	57,765.63	1,923.95

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

VIRGINIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	57,762.93	1,923.94
Beatty	2.70	0.02
Total	57,765.63	1,923.95

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	41,592.00
B	851.70
C	360.90
Total	42,804.60
Non-Direct Shipments	14,961.03
Grand Total	57,765.63
Total Direct Shipment Activity (curies)	1,903.83
Total Non-Direct Shipment Activity (curies)	20.12
Grand Total (curies)	1,923.95

SOUTHWESTERN COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

States	Volume (ft ³)	Activity (curies)
Arizona	27,751.46	246.85
California	55,956.54	5,537.69
North Dakota	32.90	0.02
South Dakota	1,169.64	0.05
Total	84,910.54	5,784.61

VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)

VOLUME PERCENTAGE BY CATEGORY
(Percentages <.1% are not displayed)

ARIZONA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	665.80	4.42
Government	1.00	< .01
Industrial	1.54	< .01
Medical	5.52	0.51
Utility	27,077.60	241.92
Total	27,751.46	246.85

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ARIZONA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	0.50	< .01
Beatty	1,399.06	3.98
Richland	26,351.90	242.87
Total	27,751.46	246.85

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	25,700.60
B	261.60
C	149.70
Total	26,111.90
Non-Direct Shipments	1,639.56
Grand Total	27,751.46
Total Direct Shipment Activity (curies)	240.71
Total Non-Direct Shipment Activity (curies)	6.14
Grand Total (curies)	246.85

CALIFORNIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Generator Category	Volume (ft ³)	Activity (curies)
Academic	11,447.95	35.18
Government	5,793.74	31.48
Industrial	21,538.12	4,736.45
Medical	3,595.78	25.92
Utility	13,580.95	708.65
Total	55,956.54	5,537.69

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

CALIFORNIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	4,325.89	33.29
Beatty	29,721.40	3,827.92
Richland	21,909.25	1,676.47
Total	55,956.54	5,537.69

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class

Waste Class	Volume (ft ³)
A	20,795.00
B	552.60
C	192.00
Total	21,539.60
Non-Direct Shipments	34,416.94
Grand Total	55,956.54

Total Direct Shipment Activity (curies)	660.75
Total Non-Direct Shipment Activity (curies)	4,876.94
Grand Total (curies)	5,537.69

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

NORTH DAKOTA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Industrial	25.40	< .01
Medical	7.50	0.02
Total	32.90	0.02

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NORTH DAKOTA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	7.50	0.02
Richland	25.40	< .01
Total	32.90	0.02

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

SOUTH DAKOTA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Medical	0.54	0.05
Utility	1,169.10	< .01
Total	1,169.64	0.05

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

SOUTH DAKOTA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	0.54	0.05
Richland	1,169.10	< .01
Total	1,169.64	0.05

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	480.00
B	0.00
C	0.00
Total	480.00
Non-Direct Shipments	689.64
Grand Total	1,169.64
Total Direct Shipment Activity (curies)	< .01
Total Non-Direct Shipment Activity (curies)	0.05
Grand Total	0.05

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

UNAFFILIATED
Low-Level Radioactive Wastes Received
at Commercial Disposal Sites

<u>States</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Army Out U.S.	35.80	0.03
Dis Of Columbia	538.72	5.13
Maine	7,856.78	193.25
Massachusetts	40,612.73	86,641.44
New Hampshire	206.44	0.08
New York	71,284.34	12,701.84
Rhode Island	159.83	0.25
Texas	9,201.67	1,650.32
Total	129,896.31	101,192.34

ARMY OUT U.S. **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Government	26.00	< .01
Medical	9.80	0.03
Total	35.80	0.03

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ARMY OUT U.S. **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	35.80	0.03
Total	35.80	0.03

VOLUME PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
 (Percentages <.1% are not displayed)

DISTRICT OF COLUMBIA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	70.42	0.14
Government	90.94	4.25
Industrial	86.42	0.28
Medical	290.94	0.46
Total	538.72	5.13

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

DISTRICT OF COLUMBIA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	530.62	5.13
Richland	8.10	< .01
Total	538.72	5.13

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

MAINE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Government	993.30	7.46
Industrial	105.98	0.66
Utility	6,757.50	185.13
Total	7,856.78	193.25

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MAINE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	6,768.50	192.50
Beatty	1,024.48	0.61
Richland	63.80	0.14
Total	7,856.78	193.25

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	3,160.30
B	354.50
C	28.00
Total	3,542.80
Non-Direct Shipments	4,313.98
Grand Total	7,856.78
Total Direct Shipment Activity (curies)	180.21
Total Non-Direct Shipment Activity (curies)	13.04
Grand Total	193.25

MASSACHUSETTS **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	539.78	7.06
Government	296.40	26.53
Industrial	19,623.94	85,771.11
Medical	558.92	3.58
Utility	19,593.69	833.15
Total	40,612.73	86,641.44

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

MASSACHUSETTS **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Disposal Site</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Barnwell	25,339.15	928.24
Beatty	6,694.76	109.11
Richland	8,578.82	85,604.08
Total	40,612.73	86,641.44

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

<u>Direct Shipment Waste Class</u>	<u>Volume (ft³)</u>
A	21,939.70
B	491.10
C	240.60
Total	22,671.40
Non-Direct Shipments	17,941.33
Grand Total	40,612.73
Total Direct Shipment Activity (curies)	86,509.65
Total Non-Direct Shipment Activity (curies)	131.78
Grand Total	86,641.44

NEW HAMPSHIRE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Industrial	<u>206.44</u>	<u>0.08</u>
Total	206.44	0.08

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NEW HAMPSHIRE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	206.44	0.08
Total	206.44	0.08

VOLUME PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
 (Percentages <.1% are not displayed)

NEW YORK **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

<u>Generator Category</u>	<u>Volume (ft³)</u>	<u>Activity (curies)</u>
Academic	2,259.82	16.48
Government	12.68	160.44
Industrial	9,761.87	7,355.93
Medical	7,954.32	9.07
Utility	51,295.65	5,159.92
Total	71,284.34	12,701.84

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

NEW YORK

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	52,615.11	12,653.87
Beatty	1,116.12	9.87
Richland	17,553.11	38.10
Total	71,284.34	12,701.84

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

**Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage**
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	35,974.10
B	3,699.58
C	163.50
Total	39,837.18
Non-Direct Shipments	31,447.16
Grand Total	71,284.34
Total Direct Shipment Activity (curies)	12,417.24
Total Non-Direct Shipment Activity (curies)	284.60
Grand Total	12,701.84

RHODE ISLAND **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	17.43	0.04
Medical	142.40	0.21
Total	159.83	0.25

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

RHODE ISLAND **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Disposal Site	Volume (ft ³)	Activity (curies)
Beatty	153.00	0.22
Richland	6.83	0.03
Total	159.83	0.25

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Volume Percentage by Waste Class
for Direct Shipments and Total
Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

TEXAS **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites**

Generator Category	Volume (ft ³)	Activity (curies)
Academic	2,976.22	5.44
Government	1,372.95	500.28
Industrial	2,503.63	1,129.69
Medical	267.07	1.05
Utility	2,081.80	13.86
Total	9,201.67	1,650.32

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

TEXAS

Low-Level Radioactive Wastes Received at Commercial Disposal Sites

Disposal Site	Volume (ft ³)	Activity (curies)
Barnwell	5,627.39	518.56
Beatty	2,031.04	1,128.17
Richland	1,543.24	3.59
Total	9,201.67	1,650.32

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

Direct Shipment Waste Class	Volume (ft ³)
A	2,278.20
B	75.00
C	333.88
Total	2,687.08
Non-Direct Shipments	6,514.59
Grand Total	9,201.67
Total Direct Shipment Activity (curies)	1,139.48
Total Non-Direct Shipment Activity (curies)	510.83
Grand Total	1,650.32

Volume Percentage by Waste Class for Direct Shipments and Total Non-Direct Volume Percentage
(Percentages <.1% are not displayed)

APPENDIX B

**WASTE VOLUME COMPARISON BY STATE
AND
COMMERCIAL NUCLEAR POWER REACTORS
IN THE UNITED STATES**

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Table B-1. Waste Volume Comparison by State, 1986-1990, as Reported by Disposal Site Operators

State	Volume (ft ³)				
	1986	1987	1988	1989	1990
Alabama	58,221	70,212	50,949	49,249	14,238
Alaska	0	0	4	11	34
Arizona	4,789	16,601	28,345	31,756	27,751
Arkansas	4,474	19,628	7,033	7,970	6,239
California	114,011	99,304	83,157	117,966	55,957
Colorado	1,073	3,586	2,104	8,754	2,309
Connecticut	55,700	40,445	41,890	49,078	34,138
Delaware	1,473	1,404	1,420	1,377	844
District of Columbia	230	135	980	925	539
Florida	60,109	46,079	31,027	35,283	24,587
Georgia	48,275	29,615	38,940	44,697	55,287
Hawaii	2,029	2,598	3,943	6,204	4,739
Idaho	0	2	51	138	40
Illinois	227,171	190,224	112,529	134,787	98,360
Indiana	0	1,808	1,892	2,150	1,956
Iowa	9,973	18,646	7,207	6,055	5,558
Kansas	6,575	4,506	5,015	6,365	3,233
Kentucky	3,790	176	2,122	10,047	4,616
Louisiana	22,534	27,826	18,401	21,723	11,329
Maine	8,324	5,013	6,338	15,633	7,857
Maryland	18,856	19,637	30,604	39,996	17,038
Massachusetts	66,695	55,023	51,273	56,527	40,613
Michigan	36,234	35,284	27,136	43,111	36,039
Minnesota	28,061	19,637	15,477	21,954	26,865
Mississippi	18,625	14,119	18,173	10,996	5,981
Missouri	24,497	22,858	11,912	18,803	19,610
Montana	591	38	14	107	195
Nebraska	20,342	17,409	12,822	16,699	15,559
Nevada	0	15	668	308	313
New Hampshire	2,109	394	169	27	206
New Jersey	55,521	50,292	46,371	53,540	52,879
New Mexico	0	990	304	1,369	1,844
New York	106,547	70,409	73,069	96,893	71,284
North Carolina	81,847	78,791	62,446	58,422	48,098
North Dakota	0	3	0	105	33
Ohio	16,052	18,662	22,585	58,866	24,147
Oklahoma	49,815	82,855	28,446	32,127	21,968
Oregon	108,983	82,150	83,796	75,908	59,456
Pennsylvania	188,038	144,798	150,298	129,485	101,604
Puerto Rico	0	0	0	0	0
Rhode Island	1,210	1,045	1,108	1,419	159
South Carolina	121,134	118,060	95,168	96,695	46,927

Table B-1. (continued)

State	Volume (ft ³)				
	1986	1987	1988	1989	1990
South Dakota	8	0	0	1	1,170
Tennessee	81,431	238,779	119,051	118,957	83,402
Texas	4,376	69,201	12,064	22,158	9,202
Utah	3,405	2,715	4,672	6,299	5,338
Vermont	11,753	8,263	7,248	173	0
Virginia	71,196	67,985	64,129	82,834	57,766
Washington	52,987	38,244	35,896	26,409	26,141
West Virginia	2	5	148	411	95
Wisconsin	5,938	9,035	10,599	6,881	9,217
Wyoming	0	0	0	1	15
Army out U.S.	N/R	N/R	3	164	36
Total	1,804,999	1,844,504	1,429,016	1,627,813	1,142,810

Table B-2. Commercial Nuclear Power Reactors in the United States, as of December 31, 1990^a

State Name	Facility Name	Units	Type
Alabama	Browns Ferry Nuclear Power Station	1,2&3	BWR ^b
	Joseph M. Farley Nuclear Plant	1&2	PWR ^c
Arizona	Palo Verde Nuclear Generating Station	1,2&3	PWR
Arkansas	Arkansas Nuclear One	1&2	PWR
California	Diablo Canyon Nuclear Power Plant	1&2	PWR
	Humboldt Bay Power Plant (closed 1976)	3	BWR
	Rancho Seco Nuclear Generating Station (closed June 1989)	1	PWR
	San Onofre Nuclear Generating Station	1,2&3	PWR
Colorado	Ft. St. Vrain Nuclear Generating Station (closed August 1989)	1	HTGR ^d
Connecticut	Haddam Neck Plant	1	PWR
	Millstone Nuclear Power Station	1	BWR
	Millstone Nuclear Power Station	2&3	PWR
Florida	Crystal River Nuclear Plant	3	PWR
	St. Lucie Plant	1&2	PWR
	Turkey Point Plant	3&4	PWR
Georgia	Edwin I. Hatch Nuclear Plant	1&2	BWR
	Alvin W. Vogtle Nuclear Plant	1&2	PWR
Illinois	Byron Nuclear Power Station	1&2	PWR
	Clinton Power Station	1	BWR
	Dresden Nuclear Power Station (Unit 1 closed 1978)	1,2&3	BWR
	LaSalle County Station	1&2	BWR
	Quad Cities Station	1&2	BWR
	Zion Nuclear Plant	1&2	PWR
	Braidwood Station	1&2	PWR
Iowa	Duane Arnold Energy Center	1	BWR
Kansas	Wolf Creek Generating Station	1	PWR
Louisiana	River Bend Station	1	BWR
	Waterford Generating Station	3	PWR

Table B-2. (continued)

State Name	Facility Name	Units	Type
Maine	Maine Yankee Atomic Power Plant	1	PWR
Maryland	Calvert Cliffs Nuclear Power Plant	1&2	PWR
Massachusetts	Pilgrim Nuclear Power Station	1	BWR
	Yankee Nuclear Power Station	1	PWR
Michigan	Big Rock Point Nuclear Plant	1	BWR
	Donald C. Cook Nuclear Power Plant	1&2	PWR
	Fermi Atomic Power Plant	2	BWR
	Palisades Nuclear Plant	1	PWR
Minnesota	Monticello Nuclear Generating Plant	1	BWR
	Prairie Island Nuclear Generating Plant	1&2	PWR
Mississippi	Grand Gulf Nuclear Station	1	BWR
Missouri	Callaway Plant	1	PWR
Nebraska	Cooper Nuclear Station	1	BWR
	Fort Calhoun Station	1	PWR
New Hampshire	Seabrook Nuclear Station	1	PWR
New Jersey	Hope Creek Nuclear Generating Station	1	BWR
	Oyster Creek Nuclear Power Plant	1	BWR
	Salem Nuclear Generating Station	1&2	PWR
New York	James A. FitzPatrick Nuclear Power Plant	1	BWR
	Robert Emmett Ginna Nuclear Power Plant	1	PWR
	Indian Point Station	3	PWR
	Indian Point Station (Unit 1 closed 1974)	1&2	PWR
	Nine Mile Point Nuclear Station	1&2	BWR
	Shoreham Nuclear Power Station	1	BWR
	(closed May 1989)		
North Carolina	Brunswick Steam Electric Plant	1&2	BWR
	McGuire Nuclear Station	1&2	PWR
	Shearon Harris Nuclear Power Plant	1	PWR
Ohio	Davis-Besse Nuclear Power Station	1	PWR
	Perry Nuclear Power Plant	1	BWR
Oregon	Trojan Nuclear Plant	1	PWR

Table B-2. (continued)

State Name	Facility Name	Units	Type
Pennsylvania	Beaver Valley Power Station	1&2	PWR
	Limerick Generating Station	1&2	BWR
	Peach Bottom Atomic Power Station	2&3	BWR
	Susquehanna Steam Electric Station	1&2	BWR
	Three Mile Island Nuclear Station	1	PWR
South Carolina	Catawba Nuclear Station	1&2	PWR
	Oconee Nuclear Plant	1,2,&3	PWR
	Robinson Plant	2	PWR
	Virgil C. Summer Nuclear Station	1	PWR
Tennessee	Sequoyah Nuclear Plant	1&2	PWR
Texas	South Texas Project	1&2	PWR
	Comanche Peak	1	PWR
Vermont	Vermont Yankee Nuclear Power Station	1	BWR
Virginia	North Anna Power Station	1&2	PWR
	Surry Power Station	1&2	PWR
Washington	Washington Nuclear Project	2	BWR
Wisconsin	Kewaunee Nuclear Power Plant	1	PWR
	La Crosse Nuclear Generating Station (closed 1987)	1	BWR
	Point Beach Nuclear Plant	1&2	PWR

a. "World List of Nuclear Power Plants," Nuclear News, 34, 2, February 1991.

b. BWR = boiling-water reactor.

c. PWR = pressurized-water reactor.

d. HTGR = high temperature gas reactor.

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APPENDIX C

**STATE RADIATION PROGRAM
REPRESENTATIVES**

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Table C-1. State Radiation Program Representatives

<u>State</u>	<u>Draft Report Sent to</u>
Alabama	A. V. Godwin
Alaska	S. D. Heidersdorf
Arizona	C. F. Tedford
Arkansas	G. J. Discus
California	J. S. McGurk
Colorado	R. M. Quillin
Connecticut	K. T. A. McCarthy
Delaware	A. C. Tapert
Dist. of Columbia	F. A. Bowie
Florida	M. E. Clark
Georgia	T. E. Hill
Hawaii	T. Anamizu
Idaho	E. Ranieri
Illinois	P. Eastvold
Indiana	E. Wroblewski
Iowa	D. A. Flater
Kansas	G. W. Allen
Kentucky	D. R. Hughes
Louisiana	W. H. Spell
Maine	C. Toppan
Maryland	R. G. Fletcher
Massachusetts	R. M. Hallisey
Michigan	G. W. Bruchmann

Table C-1. (continued)

<u>State</u>	<u>Draft Report Sent to</u>
Minnesota	A. T. Dolezal
Mississippi	E. S. Fuente
Missouri	K. V. Miller
Montana	A. C. Howe
Nebraska	H. R. Borchert
Nevada	S. R. Marshall
New Hampshire	D. E. Tefft
New Jersey	J. Lipoti
New Mexico	J. Ellvinger
New York	P. J. Merges
North Carolina	D. H. Brown
North Dakota	D. K. Mount
Ohio	R. E. Owen
Oklahoma	W. M. Kemp
Oregon	R. D. Paris
Pennsylvania	T. M. Gerusky
Puerto Rico	D. Saldana
Rhode Island	C. McMahon
South Carolina	H. G. Shealy
South Dakota	J. Robertson
Tennessee	M. H. Mobley
Texas	D. K. Lacker

Table C-1. (continued)

<u>State</u>	<u>Draft Report Sent to</u>
Utah	L. F. Anderson
Vermont	R. N. McCandless
Virginia	L. P. Foldesi
Washington	T. R. Strong
West Virginia	B. L. DeBord
Wisconsin	M. C. Bunge
Wyoming	J. E. Haes

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