Commonwealth of Virginia

Department of Environmental Quality

Solid Waste Managed in Virginia During Calendar Year 2002



June 2003

Table of Contents

Solid Waste Managed in Virginia During Calendar Year 2002

EXECUTIVE SUMMARY	i
INTRODUCTION	1
REPORTING PROCEDURES	
RECEIPT OF ASSESSMENT REPORTS.	
DISCUSSION OF REPORTED RESULTS	
DISCUSSION OF REFORTED RESULTS	∠
Tables	
Table 1 - Solid Waste Managed in Virginia - 2002 (in Tons)	5
Table 2 - Jurisdiction of Origin of Waste Received - 2002 (in Tons)	
Table 3 - Summary of Available Capacity in Permitted Disposal Facilities – 2002 (in Tons)	7
Figures	
Figure 1 - Methods of Solid Waste Management – 2002 (in Tons)	8
Figure 2 - Composition of the Solid Waste Stream – 2002 (in Tons)	
Figure 3 - Waste Received from Out-of-State Jurisdictions (in Tons) - 2002	10
Figure 4 - Quantity of Solid Waste Received in Virginia - 2002	11
Figure 5 - Comparison of Total Solid Waste Received From 1998 Through 2002	
Figure 6 - Comparison of Municipal Solid Waste Received From 1998 Through 2002	13
Attachments	
Attachment 1 - Virginia Code § 10.1-1413.1 - Waste information and assessment program	14
Attachment 2 - 9 Virginia Administrative Code 20-80-115 - Solid waste information and assessment program	15
Attachment 3 - 9 Virginia Administrative Code 20-130-165 - Waste information and assessment program	16
Attachment 4 - Reporting Table	17
Attachment 5 - Instructions for Completing Form DEQ 50-25 Solid Waste Information and Assessment Program Reporting Form.	
Attachment 6 - List of Facilities Reporting - 2002	21
Attachment 7 - Canacity/Disposal Rate Detail for Virginia Landfills in 2002	27

Solid Waste Managed in Virginia During Calendar Year 2002

EXECUTIVE SUMMARY

Section 10.1-1413.1 of the Code of Virginia requires the Department of Environmental Quality (Department) to prepare a report by June 30 of each year describing the amount of solid waste disposed of in the Commonwealth during the preceding calendar year. Facilities that have solid waste management permits are required to provide the Department with information to prepare this report. As of May 15, 2003, one hundred and ninety-four (194) permitted facilities provided information on their activities for calendar year 2002 for this report.

Based on the facilities' reports, a total of 22,922,713 tons of solid waste was received at Virginia's permitted solid waste management facilities during calendar year 2002. Of this total, 17,499,022 tons originated in the Commonwealth, and 5,423,691 tons originated from other jurisdictions.

Municipal solid waste (MSW) constituted 14,856,277 tons of the total amount of solid waste received during calendar year 2002. Of the total MSW received, 10,347,438 tons originated in the Commonwealth, and 4,508,839 tons originated from other jurisdictions.

Four jurisdictions accounted for 95.2% of all waste received from out-of-state sources: Maryland; New York; Washington, D.C.; and North Carolina.

During calendar year 2002, the total solid waste and MSW received from out-of-state sources increased by 12.5% and 10.0%, respectively, over 2001. For Virginia sources during the same period, the total solid waste received decreased by 7.5%, while the total MSW received decreased by 4.1%.

Of all solid waste managed in Virginia during the year (except for waste that was only sent off site), 84.6% - 15,693,142 tons - was landfilled, 11.6% was incinerated, and the rest was managed by other means. Of all solid waste received at Virginia facilities during the year, 64.8% was MSW, 16.6% was construction/demolition/debris (CDD) waste, and the remainder was other types of waste.

Permitted solid waste management facilities reported that they recycled 1.8% of the waste that they managed (except for waste that was only sent off site). Most recycling, however, occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. Based on the local government recycling reports, the statewide average recycling rate for calendar year 2001 was 37.78%. See http://www.deq.state.va.us/recycle/mandatory.html. A report on the statewide recycling rate for calendar year 2002 will be issued later this year.

For the second year, permitted facilities were required to report on their available capacity and the expected life of the facilities based on current disposal rates. This information shows that at current rates the remaining available landfill capacity is as follows: MSW - 19.7 years; CDD - 7.7 years; non-captive industrial -24.3 years; and total -17.7 years. These projections do not account for population increases, changes in waste generation or disposal rates, or the closing of older MSW disposal units pursuant to statute.

The statute provides that, at the option of the facility owner, the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located. No facilities provided such information for calendar year 2002.

Solid Waste Managed in Virginia During Calendar Year 2002

INTRODUCTION

This report has been prepared in accordance with Virginia Code § 10.1-1413.1, which requires the Department to prepare a report by June 30 of each year describing the amount of solid waste disposed of in the Commonwealth during the preceding calendar year (see Attachment 1). All permitted facilities (except for captive waste management facilities) that treat, store, or dispose of solid waste are required to provide the Department with information in their possession as is reasonably necessary for the Department to prepare this report. The statutory reporting requirements have been clarified and supplemented by regulation in 9 Virginia Administrative Code (VAC) 20-80-115 and 20-130-165 (Attachments 2 and 3).

REPORTING PROCEDURES

For each category of solid waste, permitted solid waste facilities in Virginia were asked to report the amount of waste that they received, the method by which the waste was managed, and the jurisdiction where the waste originated, if known. A copy of the reporting table and instructions for furnishing information to the Department are provided as Attachments 4 and 5, respectively.

The facilities identified amounts of solid waste by each of the following categories:

- municipal solid waste (MSW);
- construction and demolition debris (CDD);
- industrial waste;
- regulated medical waste (RMW);
- vegetative and yard waste (VW/YW);
- incineration ash:
- sludge other than is land applied in accordance with Virginia Code § 32.1-164.5;
- tires:
- white goods (e.g., refrigerators, washing machines);
- friable asbestos;
- petroleum-contaminated soil (PCS); and
- other waste.

The facilities also reported on each of the following methods of waste management:

- recycling;
- composting;
- landfilling;

- incineration:
- sending off site for further management;
- storing on site; and
- other.

This report does not wholly represent Virginia's waste management activities, because the statute exempts all captive waste management facilities from the reporting requirements. A captive facility is one that is located on property owned or controlled by the generator of the waste. Most captive waste management facilities in Virginia are industrial landfills. As a result, the reported amounts of industrial waste and sludge represent only the portion that is managed in off-site facilities. Also, this report does not reflect tires managed under the Waste Tire Trust Fund at facilities that do not require a permit.

Permitted solid waste management facilities reported that they recycled 1.8% of the waste that they managed (except for waste that was only sent off site). Most recycling, however, occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. Based on the local government recycling reports, the statewide average recycling rate for calendar year 2001 was 37.78%. See http://www.deq.state.va.us/recycle/mandatory.html. A report on the statewide recycling rate for calendar year 2002 will be issued later this year.

RECEIPT OF ASSESSMENT REPORTS

By regulation, facilities must submit their reporting tables by March 31 of each year. Facilities are required to submit a separate reporting table for each jurisdiction from which they received waste. Information from reporting tables received on or before May 15, 2003, has been included in this report. One hundred and ninety-four (194) facilities reported on their activities for this report for calendar year 2002 (compared to 203 facilities reporting for calendar year 2001). A list of these facilities is provided as Attachment 6. These facilities submitted a total of 328 separate reporting tables, representing waste received from 24 states (including Virginia); Washington, D.C.; Canada; and Puerto Rico.

DISCUSSION OF REPORTED RESULTS

Table 1 summarizes the quantities of waste that facilities received and managed during calendar year 2002, by waste type and waste management method. As shown in the table, 22,922,713 tons of solid waste was received at Virginia's permitted solid waste management

¹ Throughout this report, percentages have been rounded to the nearest 0.1%. In the text of the report and in the figures, tonnages have been rounded to the nearest ton, except that a partial ton may be rounded down to the next lowest ton to account for the addition of multiple, partial tons.

² Local governments (or their designated solid waste management planning regions) are required to file annual reports on recycling rates pursuant to the Regulations for Solid Waste Management Planning, 9 VAC 20-130.

facilities during calendar year 2002. Municipal solid waste (MSW) constituted 14,856,277 tons of the total amount of solid waste received.³

The column of Table 1 entitled "Landfilled" indicates the quantity of solid waste disposed of at permitted solid waste landfills in the Commonwealth during calendar year 2002. The amount of solid waste landfilled during the year was 15,693,142 tons. This was a decrease of 0.8% from the 15,823,785 tons that was landfilled in calendar year 2001. The other columns of Table 1 indicate the quantity of waste managed by other methods. The column entitled "Sent Off Site" indicates the quantity of waste that was sent off site in calendar year 2002 to be managed elsewhere (4,743,877 tons). If this waste was sent off site to another permitted Virginia facility, it would also be included in the receiving facility's reporting tables (i.e., if the waste is received at two, separate Virginia-permitted facilities, it may be counted twice as received waste).

Figure 1 shows the percentage of each method of solid waste management, excluding waste that was only sent off site.⁴ The majority of solid waste managed in the Commonwealth during the year, excluding the amount sent off site, was landfilled (84.6% of all waste managed) or incinerated (11.6%). Lesser amounts were recycled (1.8%), composted (1.2%), managed by other methods (0.5%), or stored on site (0.3%).

Figure 2 shows the composition of the solid waste stream. Of all solid waste received at Virginia facilities in calendar year 2002, 64.8% was MSW, 16.6% was CDD waste, and the remainder was other types of waste. These included "other waste" (4.4%), incineration ash (3.5%), VW/YW (2.8%), industrial waste (2.8%), sludge (2.2%), and PCS (2.0%).

Table 2 shows the quantities of solid wastes imported from outside Virginia. Four jurisdictions account for 95.2% of all waste sent from out-of-state sources to Virginia: Maryland (37.8%); New York (27.2%); Washington, D.C. (21.3%); and North Carolina (8.9%). Figure 3 illustrates the total quantity of waste received from individual jurisdictions.

Figure 4 compares the amount of waste received at facilities from out-of-state jurisdictions to the amount received from Virginia during calendar year 2002. Of the total amount of solid waste received (22,922,713 tons), 17,499,022 tons originated in the Commonwealth, and 5,423,691 tons originated from other jurisdictions. Of the total MSW received (14,856,277 tons), 10,347,438 tons originated in the Commonwealth, and 4,508,839 tons originated from other jurisdictions.

Figure 5 shows a comparison of total solid waste received in 1998 through 2002 for both Virginia and out-of-state sources. Figure 6 shows the same comparison for MSW. During calendar year 2002, the total solid waste received from out-of-state sources increased by

³ When referring to information from Table 1, "waste received" refers to information from the first column, and "waste managed" refers to information from the remaining columns. The amount of waste "received" for each type of waste may not match the sum of the reported amounts identified for each method of waste management. This reflects information as submitted by facilities in the reporting tables. In particular, incinerators may properly include the ash that they generate as waste that is "sent off site," and not include it as waste that is "received" at that facility.

⁴ The basis for determining these percentages is the sum for all methods of waste management (recycled, composted, landfilled, etc.) in Table 1, except for waste sent off site. Therefore, the basis for these percentages is 18,559,431.90 tons.

12.5% and MSW increased by 10.0% over 2001. For Virginia sources during the same period, the total solid waste received decreased by 7.5%, while the total MSW received decreased by 4.1%.

This report does not reflect the amount of solid waste exported from Virginia to other states. The Department regulates only the treatment, storage, and disposal of solid waste within the Commonwealth. Virginia facilities, waste generators, and localities are not required to submit information on the amount of solid waste exported to other states.

For the second year, landfills were required to report on their available capacity and the expected life of the facilities at the current disposal rates. This information is summarized in Table 3 and detailed in Attachment 7. MSW landfills reported a total available capacity of 251,810,045 tons and a current disposal rate of 12,793,548 tons per year. Thus, at the current disposal rate, there would be 19.7 years of available MSW landfill capacity in the Commonwealth. However, this calculation does not account for population changes, changes in waste generation or disposal rates, or the closing of older MSW disposal units under Va. Code § 10.1-1413.2. Last year, it was reported that there were 18.3 years of remaining MSW disposal capacity. The difference can be attributed primarily to revised estimates of remaining disposal capacities as reported by facilities.

CDD landfills reported a total available capacity of 20,423,122 tons and a current disposal rate of 2,662,418 tons per year. At the current disposal rate, there would be 7.7 years of available CDD landfill capacity in the Commonwealth. Last year, it was reported that there were 8.3 years of remaining CDD disposal capacity. For non-captive industrial landfills, there are 5,773,198 tons of available capacity and a current disposal rate of 237,177 tons per year (24.3 years). Last year, it was reported that there were 16.2 years remaining capacity for non-captive industrial facilities. The difference, in part, reflects changes in industrial waste disposal rates during 2002.

In total, there are 278,006,364 tons of available capacity and a current disposal rate of 15,693,142 tons per year (17.7 years). Last year, it was reported that there were 16.4 years remaining total capacity. The difference reflects, primarily, the factors noted above.

The statute provides that, at the option of the facility owner, the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located. This may include the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year. No facilities provided such information for calendar year 2002.

Table 1 - Solid Waste Managed in Virginia - 2002 (in Tons)

Waste Type/Method	Received	Recycled	Composted	Landfilled	Incinerated	Sent off Site	Stored on Site	Other ⁷
Municipal Solid Waste	14,856,276.64	7,519.15	0.00	9,225,863.06	2,102,921.80	3,512,208.26	8,300.00	0.00
Construction / Demolition/ Debris	3,813,476.25	32,397.07	0.00	3,456,859.40	1,200.00	321,539.50	1,511.00	0.00
Industrial Waste	637,173.58	25,426.53	0.00	570,973.19	0.00	40,774.21	0.00	0.00
Regulated Medical Waste	24,590.54	0.00	0.00	0.00	8,724.32	429.38	0.00	15,437.04
Vegetative/Yard Waste	641,273.43	15,065.66	220,656.03	56,032.89	20,036.85	269,973.26	32,434.79	21,327.51
Incineration Ash	813,504.05	7,103.16	0.00	800,150.04	0.00	386,669.02	0.00	0.00
Sludge	498,457.14	8,089.00	5,652.93	474,626.15	8,191.81	1,897.04	0.00	0.00
Tires	94,251.50	8,026.17	0.00	25,759.70	937.93	55,452.29	4,032.78	0.00
White Goods	69,295.37	3,137.71	0.00	8.00	0.00	65,608.58	614.45	0.00
Friable Asbestos	7,017.97	0.00	0.00	6,988.14	0.00	29.83	0.00	0.00
Petroleum Contaminated Soil	454,964.59	128,335.95	0.00	316,683.50	0.00	1,297.34	8,647.80	0.00
Other Waste	1,012,432.36	101,643.57	0.00	759,197.64	13,683.27	87,998.10	6,174.67	49,061.22
Total:	22,922,713.42	336,743.97	226,308.96	15,693,141.73	2,155,695.98	4,743,876.81	61,715.49	85,825.77

_

The amount of waste "Received" may not precisely match the sum of the reported amounts for each method of management. This difference reflects information submitted in the reporting tables.

⁶ The majority of recycling takes place at facilities that do not require a permit from the Department and were not required to submit data for this report. Therefore, the amounts shown in this column represent a substantial underestimate of the true recycling rate in the Commonwealth. Based on the local government recycling reports, the statewide average recycling rate for calendar year 2001 was 37.78%. See http://www.deq.state.va.us/recycle/mandatory.html. A report on the statewide recycling rate for calendar year 2002 will be issued later this year.

^{7 &}quot;Other" methods of management may include steam sterilization of medical waste, approved use of shredded tires at permitted facilities, and thermal treatment of PCS, among others.

Table 2 - Jurisdiction of Origin of Waste Received - 2002 (in Tons)

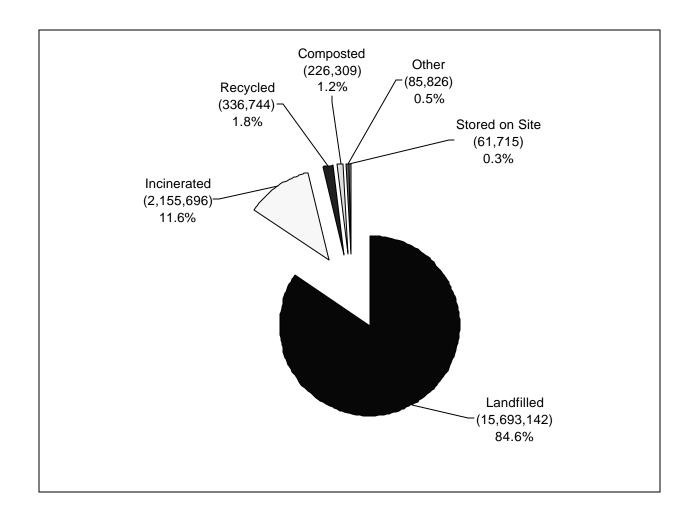
Originating State	Municipal Solid Waste	Construction / Demolition Debris	Industrial Waste	Regulated Medical Waste	Vegetative / Yard Waste	Incineration Ash	Sludge	Tires	White Goods	Friable Asbestos	Petroleum Contaminated Soil	Other Waste	Total
Alabama												67.94	67.94
Arkansas												30.54	30.54
Canada				693.83								66.80	760.63
Connecticut			997.03								300.25		1,297.28
Delaware	63,017.14	244.80	29.80									52.11	63,343.85
DC	1,009,850.66	99,517.87	108.55	1,353.80	56.50		10,269.36	35.58	48.44		29,188.63	5,141.00	1,155,570.39
Florida			1.97									35.56	37.53
Georgia			77.50									4.53	82.03
Illinois												7.72	7.72
Indiana												71.44	71.44
Kansas			3.00										3.00
Kentucky			3.12										3.12
Maryland	1,552,670.47	226,578.36	17,994.47	1,513.73		184,853.95	53,263.10	5,898.76	48.06	21.69	1,496.80	3,316.13	2,047,655.52
Massachusetts		548.16	0.46									122.62	671.24
Michigan			1.10									111.57	112.67
Missouri												128.27	128.27
New Jersey	910.44	101.12	603.90	1,155.53			82,724.54				14.75	5,655.58	91,165.85
New York	1,334,154.49	812.42	590.73	496.10			139,382.19				13.27	62.72	1,475,511.92
N. Carolina	469,213.74	373.11	3,943.05	169.36	124.82		8,182.00			1.50	930.15	1,284.73	484,222.46
Ohio			1.73									19.86	21.59
Pennsylvania	11,892.58		3,967.95	4,477.78							7.50	277.44	20,623.25
Puerto Rico												136.84	136.84
S. Carolina			10.93								8,972.00	389.05	9,371.98
Tennessee	25,817.76	2,352.03	391.75		651.68	732.92		409.26	3.53			143.01	30,501.94
Texas			5.00									1.25	6.25
W. Virginia	41,311.35		34.88	65.10				59.64				814.94	42,285.91
Totals for Other States	4,508,838.63	330,527.87	28,766.92	9,925.23	833.00	185,586.87	293,821.19	6,403.24	100.03	23.19	40,923.35	17,941.65	5,423,691.16
VA	10,347,438.01	3,482,948.38	608,406.67	14,665.31	640,440.43	627,917.18	204,635.95	87,848.26	69,195.34	6,994.78	414,041.24	994,490.72	17,499,022.28
Total for all States: ⁸	14,856,276.64	3,813,476.25	637,173.58	24,590.54	641,273.43	813,504.05	498,457.14	94,251.50	69,295.37	7,017.97	454,964.59	1,012,432.36	22,922,713.42

⁸ Numbers in the hundredths of a ton (.0X) may reflect cumulative rounding effects and may not add precisely in the Table.

Table 3 - Summary of Available Capacity in Permitted Disposal Facilities – 2002 (in Tons)

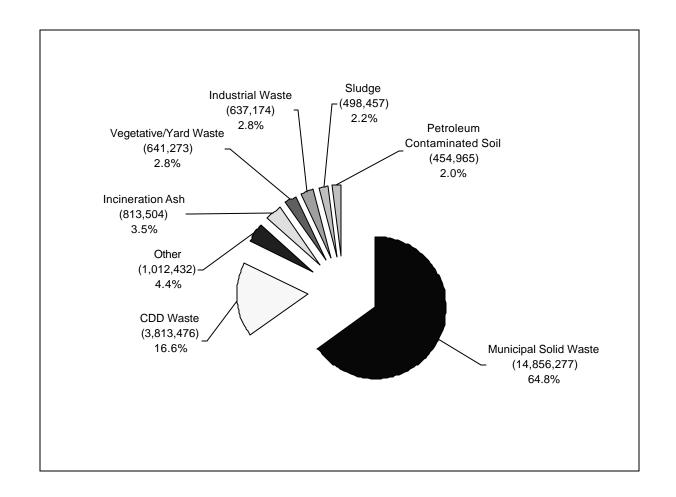
Facility Type	Reported Available	Reported Annual	Remaining Permitted
	Capacity on 12/31/02	Disposal Rate 2002	Capacity (Years)
Sanitary (MSW) Landfills	251,810,044.85	12,793,547.73	19.7
C/D/D Landfills	20,423,121.80	2,662,417.55	7.7
Non-Captive Industrial Landfills	5,773,197.50	237,176.94	24.3
Totals:	278,006,364.15	15,693,142.22	17.7

Figure 1 - Methods of Solid Waste Management – 2002 (in Tons)



The amount of solid waste "Sent Off Site" is not included in this table's percentages. The basis for determining these percentages is the sum for all other methods of waste management (recycled, composted, landfilled, etc.) in Table 1, i.e., 18,559,431.90 tons. Most recycling occurs at facilities other than permitted waste management facilities. As a result, more accurate recycling information is reported by localities. Based on the local government recycling reports, the statewide average recycling rate for calendar year 2001 was 37.78%. See http://www.deq.state.va.us/recycle/mandatory.htm. A report on the statewide recycling rate for calendar year 2002 will be issued later this year.

Figure 2 - Composition of the Solid Waste Stream – 2002 (in Tons)



Note: This chart does not include waste streams comprising less than 1% of the total waste stream. This includes Tires (0.4%), White Goods (0.3%), Regulated Medical Waste (0.1%), and Friable Asbestos (<0.1%).

Figure 3 - Waste Received from Out-of-State Jurisdictions (in Tons) - 2002

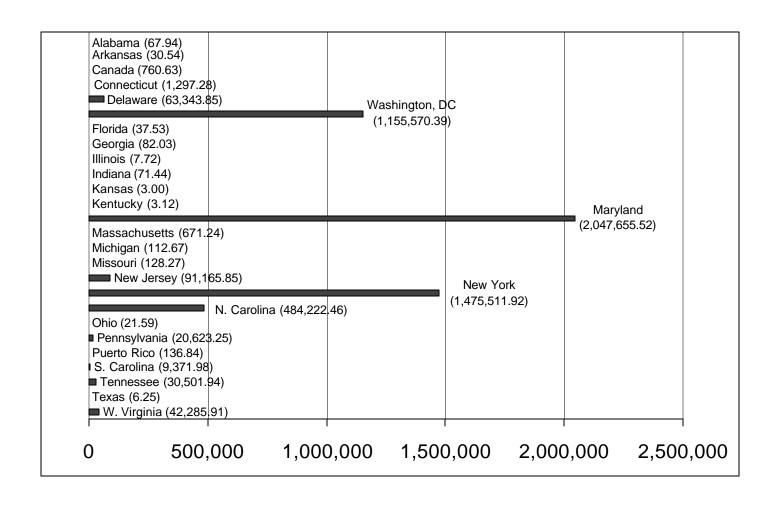


Figure 4 - Quantity of Solid Waste Received in Virginia - 2002

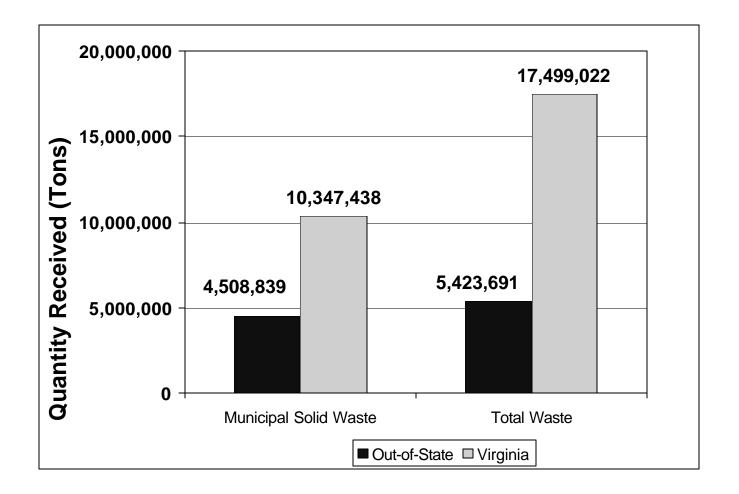


Figure 5 - Comparison of Total Solid Waste Received From 1998 Through 2002

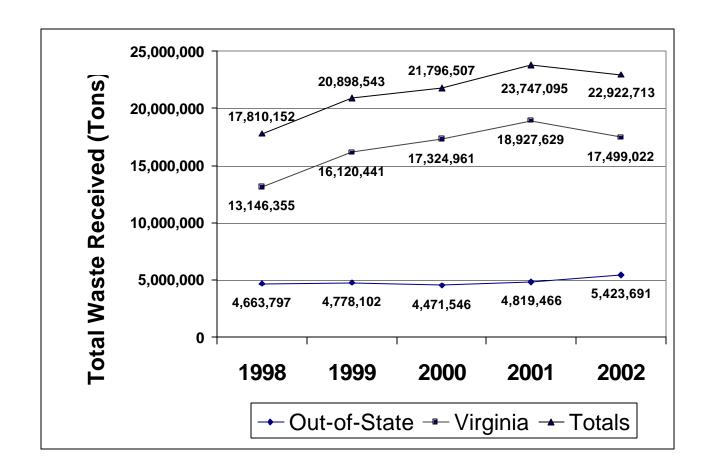
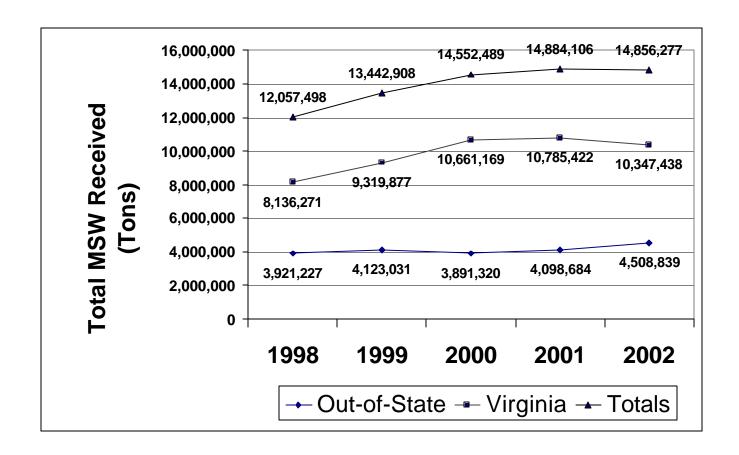


Figure 6 - Comparison of Municipal Solid Waste Received From 1998 Through 2002



Attachment 1 - Virginia Code § 10.1-1413.1 - Waste information and assessment program

A. The Department shall report by June 30 of each year the amount of solid waste, by weight or volume, disposed of in the Commonwealth during the preceding calendar year. The report shall identify solid waste by the following categories: (i) municipal solid waste; (ii) construction and demolition debris; (iii) incinerator ash; (iv) sludge other than sludge that is land applied in accordance with § 32.1-164.5; and (v) tires. For each such category the report shall include an estimate of the amount that was generated outside of the Commonwealth and the jurisdictions where such waste originated, if known. The report shall also estimate the amount of solid waste managed or disposed of by each of the following methods: (i) recycling; (ii) composting; (iii) landfilling; and (iv) incineration.

B. All permitted facilities that treat, store or dispose of solid waste shall provide the Department not more than annually, upon request, with such information in their possession as is reasonably necessary to prepare the report required by this section. At the option of the facility owner, the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located including the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year. No facility shall be required pursuant to this section to provide information that is a trade secret as defined in § 59.1-336.

C. This section shall not apply to captive waste management facilities.

Attachment 2 - 9 Virginia Administrative Code 20-80-115 - Solid waste information and assessment program

A. The owners or operators of all permitted facilities that treat, store, or dispose of solid waste shall report by March 31 of each year the amount of solid waste, by weight or volume, received and managed by the facility during the preceding calendar year. The report shall identify solid waste by the following categories: (i) municipal solid waste; (ii) construction and demolition debris; (iii) industrial waste; (iv) regulated medical waste; (v) vegetative and yard waste; (vi) incinerator ash; (vii) sludge other than sludge that is land applied in accordance with §32.1-164.5; (viii) tires; (ix) white goods; (x) friable asbestos; (xi) petroleum contaminated soil; and (xii) other special waste. For each such category the report shall include an estimate of the amount that was generated outside of the Commonwealth and the jurisdictions where such waste originated. The report shall also estimate the amount of solid waste managed or disposed of by each of the following methods: (a) recycling; (b) composting; (c) landfilling; (d) incineration (e) sending off site for further management; and (f) stored on site on December 31 of the reporting year.

B. At the option of the facility owner, the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located including the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year.

C. No facility shall be required pursuant to this section to provide information that is a trade secret as defined in § 59.1-336.

D. The reporting form to be used to fulfill the reporting requirement of this part is DEQ Form 50-25, which is available in the Regulations for the Development of Solid Waste Management Plans (9 VAC 20-130-10 et seq.).

E. This section shall not apply to captive waste management facilities including captive industrial landfills.

Attachment 3 - 9 Virginia Administrative Code 20-130-165 - Waste information and assessment program

A. The owners or operators of all permitted facilities that treat, store, or dispose of solid waste shall report by March 31 of each year the amount of solid waste, by weight or volume, received and managed in the Commonwealth during the preceding calendar year. The report shall identify solid waste by the following categories: (i) municipal solid waste; (ii) construction and demolition debris; (iii) industrial waste; (iv) regulated medical waste; (v) vegetative and yard waste; (vi) incinerator ash; (vii) sludge other than sludge that is land applied in accordance with § 32.1-164.5 of the Code of Virginia; (viii) tires; (ix) white goods; (x) friable asbestos; (xi) petroleum contaminated soil; and (xii) other special waste. For each such category the report shall include an estimate of the amount that was generated outside of the Commonwealth and the jurisdictions where such waste originated.

The report shall also estimate the amount of solid waste managed or disposed of by each of the following methods: (i) recycling; (ii) composting; (iii) landfilling; (iv) incineration (v) sending off site for further management; and (vi) stored on site on December 31 of the reporting year. This section shall not apply to captive waste management facilities. The report is to be sent to the department regional office for the facility's location.

Information on the available capacity and expected life of the facilities at the disposal rates submitted in this subsection shall be included in the annual report required by this section.

- B. At the option of the facility owner, the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located including the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year.
- C. No facility shall be required pursuant to this section to provide information that is a trade secret as defined in §59.1-336 of the Code of Virginia.
- D. Every city, county and town in the Commonwealth, or solid waste management planning region approved pursuant to 9 VAC 20-130-180, shall submit to the department by April 30 of each year, the data and calculations required in 9 VAC 20-130-120 B and C.

Attachment 4 - Reporting Table

I. <u>For</u>	m DEQ	50-25 Sc	olid Waste I	nformation	and Assessm	ent Prograi	m- Reporting	<u>Table</u>		
Facility Name						_ 1	Permit No.			
Date Submitted to DEQ				_Annual Re	eporting Perio	d:				
Available Permitted Capacity			Total A	Annual Dispo	osal Rate			Expected 1	Remaining Perm	itted Life
II. Originating Jurisdiction (ie. State):				Is	Jurisdiction (Outside Virg	ginia? YES	N	1O	
	Uı	nits			Wa	ste Managem	ent- Report An	nount by Weight	t or Volume	
Waste Type	(chec	k one)	One) (REPORTING UNITS MUST BE CONSISTENT FOR ALL FIELDS OF A PARTICULAR WYARDS. NOT BOTH)				CULAR WASTE	STE TYPE, USE TONS OR CUBIC		
	Tons	cu.yds	Received	Recycled	Composted	Landfilled	Incinerated	Sent off site	Stored on site	Other:
Municipal Solid Waste										
Construction/ Demolition/Debris										
Industrial Waste										
Regulated Medical Waste										
Vegetative/Yard Waste										
Incineration Ash										
Sludge*										
Tires										
White Goods										
Friable Asbestos										
Petroleum Contaminated Soil										
Other Waste (specify):										

NOTE: Report each different jurisdiction on a separate page

Revised 6/6/00

^{*}Sludge other than that applied to the land in accordance with 32.1-164.5

Attachment 5 - Instructions for Completing Form DEQ 50-25 Solid Waste Information and Assessment Program Reporting Form

Instructions for Completing Form DEQ 50-25 Solid Waste Information and Assessment Program Reporting Form

These instructions are designed to assist facilities with completing the required reporting form DEQ Form 50-25. A copy of each form submitted should be maintained in your facility files.

<u>Section I</u>- This section reports general facility information, reporting timeframes, and facility's disposal capacity/rate/life expectancies.

Facility Name - This is the name of the facility as it appears on the permit issued by the department.

Permit No.-This is the permit number assigned to the facility by the department. Only one permit number may be listed. For multiple permitted facilities, individual forms must be completed for each permitted facility. If a facility is being operated under permit-by-rule status, the letters PBR must precede the numbers (Ex: PBR999).

Date submitted to DEQ- This is the date the facility sends the reporting form(s) to the department. NOTE: All forms must be completed and sent by March 31 of each year for the waste managed during the preceding calendar year (Example: 3/1/00). **Annual Reporting Period-** This is the calendar year for which the data is being submitted (Example: 1/1/00-12/31/00). **Available Permitted Capacity-** Only required for landfills, all other facilities enter 'N/A'. Available Permitted Capacity means the space remaining in the landfill that is available for disposal as of December 31 or the reporting year. The capacity must be reported in cubic yards. The capacity is calculated by subtracting the landfill volume already used from the landfill volume specified in the approved Part B permit. Future proposed expansions not included in the approved Part B permit area may not be included in the capacity calculation. This information can also be obtained from the calculations performed to comply with air requirements found in 40 CFR Subpart WWW (40 CFR 60.750-60.759).

<u>Total Annual Disposal Rate</u>- Only required for landfills, all other facilities enter 'N/A'. The Total Annual Disposal Rate is the total amount of waste disposed of at the facility during the annual reporting period. This must be reported in cubic yards. To convert from tons to cubic yards, divide the amount in tons by 0.5 to derive the amount in cubic yards.

Expected Remaining Permitted Life - Only required for landfills, all other facilities enter 'N/A'. The Expected Remaining Life is calculated by dividing the Available Permitted Capacity by the Total Annual Disposal Rate. This information must be reported in years.

Section II- This section reports the origin of, types, and amounts of waste managed. Information must be provided concerning the originating jurisdiction of waste received. Amounts of waste can be entered in either tons or cubic yards as determined by the facility. For amounts reported in cubic yards, DEQ will use simple conversion factors to obtain estimated weights.

<u>Originating Jurisdiction (i.e. State)</u>- Identify the jurisdiction (state/district/territory) from which the waste originated. For waste received from within Virginia, only one form must be completed. For waste received from outside Virginia, a separate form must be completed for each individual jurisdiction from which waste was received. A jurisdiction is either a state, territory, or country. (Example: If you receive waste from the state of New York, and/or New York City, the jurisdiction is "New York." Wastes received from Washington, D.C. and Puerto Rico, are all individual jurisdictions.)

<u>Is Jurisdiction Outside Virginia- Mark either 'YES' or 'No' as it relates to the originating jurisdiction.</u>

**Waste Types- Definitions found below are provided to assist facilities with completing Form DEQ 50-25. Specific definitions can be found in the Virginia Solid Waste Management Regulations (9 VAC 20-80-10, et seq.) and the Regulated Medical Waste Regulations (9 VAC 20-120-10 et seq.).

<u>Municipal Solid Waste</u> - means that waste which is normally composted of residential, commercial, and institutional solid waste and residues derived from combustion of these wastes. *NOTE*: Paper and cardboard should be recorded in the row labeled "Municipal Solid Waste".

Construction/Demolition/Debris- This category includes construction waste, demolition waste, and debris waste. These wastes must be recorded cumulatively in this row. Construction waste- means solid waste which is produced or generated during construction, remodeling, or repair of pavements, houses, commercial buildings, and other structures. Construction wastes include, but are not limited to lumber, wire, sheetrock, broken brick, shingles, glass, pipes, concrete, paving materials, and metal and plastics if the metal or plastics are a part of the materials of construction or empty containers for such materials. Paints, coatings, solvents, asbestos, any liquid compressed gases or semi-liquids and garbage are not construction wastes. Demolition waste - means that solid waste which is produced by the destruction or structures and their foundations and includes the same materials as construction wastes. Debris waste- means wastes resulting from land clearing operations. Debris wastes

include, but are not limited to stumps, wood, brush, leaves, soil, and road spoils. NOTE: Concrete and asphalt should be recorded in the row labeled "Construction/Demolition/Debris".

Industrial Waste- means any solid waste generated by manufacturing or industrial process that is not a regulated hazardous waste. Such waste may include, but is not limited to, waste resulting from the following manufacturing processes: Electric power generation; fertilizer/agricultural chemicals; food and related products/by-products; inorganic chemicals; iron and steel manufacturing; leather and leather products; nonferrous metals manufacturing/foundries; organic chemicals; plastics and resins manufacturing; pulp and paper industry; rubber and miscellaneous plastic products; stone, glass, clay, and concrete products; textile manufacturing; transportation equipment; and water treatment. This term does not include mining waste or oil and gas

Regulated Medical Waste - means solid wastes so defined by the Regulated Medical Waste Management Regulations (9 VAC 20-120-10 et seq.) as promulgated by the Virginia Waste Management Board.

<u>Vegetative/Yard Waste</u>- This category includes vegetative waste and yard waste. These wastes must be recorded cumulatively in this row. *Vegetative waste*- means decomposable materials generated by yard and lawn care or land clearing activities and includes, but is not limited to, leaves, grass trimmings, woody wastes such as shrub and tree prunings, bark, limbs, roots, and stumps. For more detail see 9 VAC 20-101-10 et seq. *Yard waste*- means that fraction of municipal solid waste that consists of grass clippings, leaves, brush, and tree prunings arising from general landscape maintenance. *NOTE*: Brush should be recorded in the row labeled Vegetative/Yard Waste category.

<u>Incineration Ash</u>- means fly ash or bottom ash residual waste material produced from incineration or burning of solid waste. <u>Sludge</u>- means any solid, semi-solid or liquid waste generated from a municipal, commercial or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility exclusive of treated effluent from a wastewater treatment plant. For the purposes of this form, the waste type "Sludge" excludes sludge land applied in accordance with §32.1-164. <u>Tires</u>- means a tire that has been discarded because it is no longer suitable for its original intended purpose because of wear, damage, or defect. (See 9 VAC 20-150- et seq. For other definitions dealing with the waste tire program.) <u>White Goods</u>- means any stove, washers, hot water heaters, and other large appliances.

<u>Friable Asbestos</u>- means any waste material containing more than 1% asbestos as determined using the polarized light microscopy methods specified in 40 CFR Part 763, Subpart F, Appendix A, Section 1, that, when dry, is capable of being crumbled, pulverized or reduced to powder by hand pressure.

<u>Petroleum Contaminated Soil</u>- means a soil that, as a result of a release or human usage, has absorbed or adsorbed only petroleum or petroleum by-products at concentrations above those consistent with nearby undisturbed soil or natural earth materials. Petroleum and petroleum by-products include, but are limited to diesel fuels, kerosene, gasoline, hydraulic fluids, jet engine fuel, and motor oil.

<u>Other Waste (specify)</u>- means any wastes that do not meet the previously defined waste types. A brief description of the waste must be provided in the field 'Other Waste (specify)'. Examples: Dirt and Soil, Inert waste, Rubber, Wood chips, Supplemental waste, etc.

**Waste Management- Different types of facilities manage waste in different ways. The reporting table contains rows to identify the types of wastes managed. Columns are used to identify how the waste types were managed. In most cases, the amount of waste received should equal the sum of the amounts managed by the listed methods (recycled, composted, landfilled, incinerated, sent-off site). The following identifies the proper way to report how wastes were managed at your facility.

Received- All waste that was received by the facility during the Annual Reporting Permit must be reported in this column. **Recycled-** Waste material that was removed from the incoming waste stream and processed into a raw material for a product must be reported on this column. Only consider items that are truly recycled, not re-used. Recycled means "the process of separating a given waste material from the waste stream and processing it so that it may be used again as a raw material for a product, which may or may not be similar to the original product. Recycling shall not include processes that only involve size reduction." NOTE: Only report material that was both separated AND processed into a raw material at the facility. If the waste material was not separated AND processed, it may not be recorded as 'recycled'. (Example: Newspaper segregated from the waste stream and sent off site to a processing facility for recycling should not be counted as recycled, by the reporting facility.)

<u>Composted</u>- Waste that was stabilized on site through a controlled aerobic decomposition process must be reported in this column. Not all waste types can be composted. Regulated medical waste, incineration ash, tires, white goods, asbestos, and petroleum-contaminated soil can not be managed through composting. For compost facilities, only the volume that could not be composted and was sent off site for disposal should be recorded as 'sent off site'. Composted/mulched material is considered a product, not a waste, and does not have to be reported on this form.

<u>Landfilled</u>. Waste that was landfilled on-site must be reported in this column. Waste received at a facility that was later sent off site for management through landfilling must not be reported in this column. Instead it must be reported in the sent off site column. Ex: Waste received at a transfer station that was later sent off site to a landfill must be reported as 'sent off site'. <u>Incinerated</u>. Waste that was incinerated on-site must be reported in this column. Waste received at the facility that was later sent off site for incineration may not be reported in this column. Instead it must be reported in the sent off site column.

NOTE: 'Open Burning' is not the same as 'Incineration'. Ex: Waste received at a transfer station that was sent off site to an incinerator must be reported as 'sent off site', not incinerated.

<u>Sent off site</u>- Waste that was not treated, stored, or disposed of at the receiving facility but was instead sent off site to another facility for management must be reported in this column. Ex: Ash generated from an incinerator process, and temporarily stored on site prior to being sent off site for disposal must be listed in this column.

<u>Stored on site</u>- Waste that was remaining on site at the end of the calendar year must be recorded in this column. This does not include wastes that will remain on site permanently, but includes wastes that are stored temporarily at the facility. The total amount of waste landfilled at a facility must not be listed in this column, instead it must be listed in the 'landfilled' column. Ex's: White Goods awaiting pickup by off site metal recycler; Regulated Medical Waste in storage awaiting treatment. <u>Other management</u>- Wastes managed by methods other than those specified in the previous columns must be recorded in this column. This column must include a description of how the waste type was managed along with the amount of waste managed.

Attachment 6 - List of Facilities Reporting - 2002

Facility	Permit Number	DEQ Region*	
623 C/D/D Landfill	506	PRO	
623 Landfill	PBR009	PRO	
Accomack County Sanitary Landfill Bobtown South	091	TRO	
Accomack County Sanitary Landfill Northern Site #2	461	TRO	
Accomack Northern Landfill Bailer/Transfer Station	PBR112	TRO	
Accomack Southern Landfill Solid Waste RCV & Baling Facility	PBR090	TRO	
Alleghany County Transfer Station	PBR103	WCRO	
American Waste Industries Inc. (AWI)	871-I	TRO	
American Waste Industries Inc. (AWI)	PBR114	TRO	
American Waste Industries Incorporated	PBR187	TRO	
Amherst County Sanitary Landfill	563	SCRO	
Appomattox County Baling Facility	PBR163	SCRO	
Appomattox County Sanitary Landfill	086	SCRO	
Ashcake C/D/D Landfill	574	PRO	
Atlantic Waste Disposal Sanitary Landfill	562	PRO	
Augusta County / Staunton Sanitary Landfill No. 2	585	VRO	
Augusta County Service Authority Sanitary Landfill	021	VRO	
Bedford County Sanitary Landfill	560	WCRO	
Bedford County Transfer Station	PBR031	WCRO	
BFI Fluvanna County Transcyclery	PBR099	VRO	
BFI Fredericksburg Recyclery	PBR107	NVRO	
BFI Old Dominion Sanitary Landfill	553	PRO	
BFI Roanoke Valley Materials Recovery Facility	PBR105	WCRO	
BFI Transcyclery	PBR077	TRO	
Big Bethel Sanitary Landfill	580	TRO	
Blue Ridge Disposal Inc.	PBR104	WCRO	
Boissevain Transfer Station	PBR004	SWRO	
Botetourt County Sanitary Landfill	582	WCRO	
Bristol City Sanitary Landfill	498	SWRO	
Bristol Quarry Balefill	588	SWRO	
Bristol Vegetative Waste Management Facility	PBR156	SWRO	
Bristol Woody Waste Incinerator	PBR074	SWRO	
Brunswick Waste Management Facility	583	PRO	
Buchanan County Solid Waste Transfer Station	PBR106	SWRO	
*Regional Offices			
NVRO - Northern Virginia PRO - Piedmont	TRO - Tidewater		
VRO - Valley SCRO - South Central	SWRO - Southwest		
WCRO West Central			

<u>Facility</u>	Permit Number	DEQ Region*
Bull Hill Transfer Station	PBR029	SWRO
Camp Peary Armed Forces ETA Transfer Station	PBR097	TRO
Campbell County Sanitary Landfill	285	SCRO
Caroline County Sanitary Landfill	182	NVRO
Carroll-Grayson-Galax Regional Sanitary Landfill	508	SWRO
Cedar Bluff Transfer Station	PBR002	SWRO
City of Bedford (Hylton Site)	569	WCRO
City of Bristol Materials Recovery Facility	PBR116	SWRO
City of Bristol Solid Waste Transfer Station	PBR121	SWRO
City of Danville Transfer Station	PBR015	SCRO
City of Danville YWCF	PBR010	SCRO
City of Newport News YW Composting	PBR096	TRO
City of Richmond Hopkins Road Transfer Station	PBR160	PRO
City of Salem Transfer Station	PBR028	WCRO
Classified Waste Disposal System at CIA	PBR173	NVRO
Con-Serv Ind.	PBR102	NVRO
Corral Farm Sanitary Landfill	575	NVRO
Country South	581	WCRO
County of Frederick CDD Landfill	591	VRO
Covanta Alexandria/Arlington	435	NVRO
Covanta Fairfax	510	NVRO
Cox's Charles City Road Landfill Inc.	235	PRO
Cox's Darbytown Road Landfill Inc.	525	PRO
Craney Island Landfill	041	TRO
Craney Island Material Recovery Facility	PBR061	TRO
Culpeper Co. Transfer Station	PBR140	NVRO
Dickenson County Waste Transfer Station	PBR049	SWRO
Dinwiddie County Transfer Station	PBR137	PRO
Environmental Options Inc. Transfer Station	PBR153	WCRO
Fauquier County Sanitary Landfill	149	NVRO
First Piedmont Corp Martinsville Landfill	065	SCRO
Floyd County SW Transfer Station	PBR050	WCRO
Fluvanna County Sanitary Landfill	429	VRO
Franklin County Sanitary Landfill	072	WCRO
Frederick County Sanitary Landfill	529	VRO
Garner Tire Comp. MRF	PBR127	WCRO
*Regional Offices		
NVRO - Northern Virginia PRO - Piedmont	TRO - Tidewater	

VRO - Valley SCRO - South Central SWRO - Southwest

Facility	Permit Number	DEQ Region*
Goochland County Transfer Station	PBR023	PRO
Greenne County MRF & Co. – Compost	568	VRO
Greensville County Sanitary Landfill	405	PRO
Hanover County Transfer Station	PBR189	PRO
Hanover County Sanitary Landfill	314	PRO
Harrisonburg Resource Recovery Facility	390	VRO
Higgerson-Buchanan Inc.	493	TRO
Hilltop Sand & Gravel Co. Inc. Debris Landfill	326	NVRO
Holland Enterprises Landfill	280	TRO
I-66 Transfer Station	387	NVRO
I-95 Sanitary Landfill	103	NVRO
Independent Hill Sanitary Landfill	029	NVRO
Indian Trail Disposal Facility	451	TRO
Indian Trail Disposal Facility MRF	PBR166	TRO
Industrial Resource Technologies	PBR115	PRO
Ivy Landfill Transfer Station	PBR132	VRO
Ivy Sanitary Landfill	125	VRO
King and Queen Sanitary Landfill	554	PRO
King George County Sanitary Landfill and Recycling Facility	586	NVRO
LCM Transfer Station	PBR136	WCRO
Lee County Solid Waste Transfer Station	PBR070	SWRO
Livingston Sanitary Landfill No. 2	547	NVRO
Lorton CDD Landfill - Furnace Road	331	NVRO
Loudoun County Sanitary Landfill	001	NVRO
Loudoun Yard Waste Composting Facility	PBR141	NVRO
Louisa County Sanitary Landfill	194	NVRO
Lunenburg County Sanitary Landfill	227	SCRO
Lynchburg Sanitary Landfill	558	SCRO
Madison County Transfer Station	PBR154	NVRO
Manassas Transfer Station	PBR091	NVRO
Maplewood Recycling & Waste Disposal Facility	540	PRO
Martinsville Sanitary Landfill	049	WCRO
Mecklenburg County Sanitary Landfill	014	SCRO
Medical College of Virginia Hospitals Chem Clave	PBR174	PRO
Merillat Ind. Inc. Energy Recovery Facility	PBR161	SWRO
Metalpro Inc. Material Recovery Facility	PBR152	NVRO
Middle Peninsula Sanitary Landfill and Recycling Center	572	PRO
*Regional Offices		
NVRO - Northern Virginia PRO - Piedmont	TRO - Tidewater	
VRO - Valley SCRO - South Central	SWRO - Southwest	

Middle Peninsula Yard Waste Composting Montgomery Regional Solid Waste Authority Transfer ST Montgomery RSWA Tire Storage Facility	PBR125	
		PRO
Montgomery RSWA Tire Storage Facility	PBR149	WCRO
	PBR169	WCRO
MXI Environmental Services LLC	PBR180	SWRO
NASA - Langley Resource Recovery Facility Hampton	297	TRO
Nelson County Transfer Station	PBR051	VRO
Newport News, Yard Waste Composting Facility No. 2	PBR110	TRO
Norfolk Navy Shipyard Building 1460	PBR135	TRO
Northampton County Sanitary Landfill - Oyster Site	507	TRO
Nottoway County Sanitary Landfill	304	SCRO
NRRA Solid Waste Facility	548	WCRO
Orange County Sanitary Landfill	090	NVRO
Page County Sanitary Landfill	579	VRO
Patrick County Solid Waste Transfer Station	PBR032	WCRO
Peters Mountain Sanitary Landfill #2	594	WCRO
Petersburg City Sanitary Landfill	228	PRO
Pittsylvania County Sanitary Landfill	571	SCRO
Potomac CDD MRF	PBR101	NVRO
Potomac Landfill	441	NVRO
Prince Edward County Sanitary Landfill	584	SCRO
Prince William County YWCF Balls Ford Rd.	PBR030	NVRO
Purgo Inc (Form. Weyerhauser)	PBR046	PRO
Qualla Road Demo Landfill	516	PRO
Rainwater Concrete Co. Landfill	327	NVRO
Rappahannock County Sanitary Landfill	520	NVRO
Rappahannock Reg. Solid Waste Mgt. Bd. Sanitary Landfill	589	NVRO
Reclamation Inc.	PBR062	TRO
RECO Industries Inc.	PBR052	PRO
RECO Industries Inc.	592	PRO
Roanoke Transfer Station	546	WCRO
Rockbridge County Sanitary Landfill - Buena Vista	075	VRO
Rockingham County Sanitary Landfill	062	VRO
Russell County Solid Waste Transfer Station	PBR001	SWRO
Safety Kleen Systems Inc Chester Transfer Station	PBR079	PRO
Scott County Sanitary Landfill	023	SWRO
Shenandoah County Sanitary Landfill	469	VRO
*Decimal Office		
*Regional Offices NVRO - Northern Virginia PRO - Piedmont	TRO - Tidewater	

NVRO - Northern Virginia PRO - Piedmont TRO - Tidewater VRO - Valley SCRO - South Central SWRO - Southwest

Facility		Permit Number	DEQ Region*
Shoosmith Sanitary Landfill		587	PRO
Simons Hauling Co. – Darbytowr	1	PBR027	PRO
Simons Hauling Debris Landfill		524	PRO
Smith Gap Regional Sanitary Lar	ndfill	555	WCRO
Smyth County Transfer Station		PBR041	SWRO
Soilex Corp Suffolk		PBR155	TRO
Soilex PCS Remediation Facility		PBR075	TRO
South Boston Sanitary Landfill		031	SCRO
Springfield Road Sanitary Landfi	11	545	PRO
SPSA - Boykins Transfer Station		484	TRO
SPSA - ERF Power Plant		482	TRO
SPSA - Franklin Transfer Station	l	PBR192	TRO
SPSA - Ivor Transfer Station		539	TRO
SPSA - Oceana Transfer Station		PBR190	TRO
SPSA - Refuse Derived Fuel Plan	nt	455	TRO
SPSA - Regional Sanitary Landfi	11	417	TRO
SPSA - Tire Processing Facility		PBR072	TRO
SPSA Chesapeake Transfer Station	on	PBR194	TRO
SPSA Isle of Wight Transfer Stat	ion	PBR193	TRO
SPSA Landstown Transfer Statio	n	PBR191	TRO
SPSA Norfolk Transfer Station		PBR195	TRO
SPSA YWCF at SPSA'S Regiona	al Landfill in Suffolk	PBR133	TRO
Taylor Road Landfill		270	PRO
Tazewell County Sanitary Landfi	11	564	SWRO
Thomas Brothers Debris Landfill		445	WCRO
Thrasher CDD Landfill		305	TRO
Tire Recyclers Inc.		PBR142	PRO
USA Waste of Virginia - Fairfax	MRF	PBR111	NVRO
USA Waste of Virginia - Leesbur	rg MRF	PBR006	NVRO
USA Waste of Virginia - Sterling	MRF	PBR093	NVRO
VA Beach Sanitary Landfill #2 -	Mount Trashmore II	398	TRO
VA Beach Yard Waste Composti	ng Facility	PBR024	TRO
VA Recycling Corp.		PBR039	PRO
Virginia Health Care Waste Tran	sportation Inc.	PBR143	WCRO
Virginia Materials and Supplies I	nc.	PBR117	TRO
VPPSA - Essex County Transfer	Station	PBR016	PRO
*Regional Offices			
NVRO - Northern Virginia	PRO - Piedmont	TRO - Tidewater	
VRO - Valley	SCRO - South Central	SWRO - Southwest	

Facility	Permit Number	DEQ Region*
VPPSA - James City County Transfer Station	PBR021	TRO
VPPSA - King William County Transfer Station	PBR017	PRO
VPPSA - Mathews County Transfer Station	PBR018	PRO
VPPSA - Middlesex County Transfer Station	PBR019	PRO
VPPSA - York County Transfer Station	PBR022	TRO
VPPSA - York County YWCF	PBR013	TRO
Waltrip Landfill	322	TRO
Warren County Transfer Station	PBR033	VRO
Washington County Transfer Station	PBR003	SWRO
Waste Management Charles City Landfill	531	PRO
Waynesboro City Sanitary Landfill MSW Balefill	204	VRO
Westmoreland County Transfer Station	PBR069	PRO
Wise County Sanitary Landfill	513	SWRO
Wolftrap Operations Inc. Debris Landfill	436	TRO
Wythe/Bland Solid Waste Transfer Station	PBR044	SWRO

Total Number of Facilities Reporting: 194

*Regional Offices

NVRO -	Northern Virginia	PRO -	Piedmont	TRO -	Tidewater
VRO -	Valley	SCRO -	South Central	SWRO -	Southwest

Attachment 7 - Capacity/Disposal Rate Detail for Virginia Landfills in 2002

Facility Name	Permit Number	County / City	Remaining Permitted Capacity on 12/31/02 (Tons) ⁹	Disposal Amount 2002 (Tons)	Submitted Capacity Information
Sanitary Landfill					
Accomack County Sanitary Landfill Bobtown South	091	Accomack	225,000.00	17,759.00	Yes
Accomack County Sanitary Landfill Northern Site #2	461	Accomack	285,138.00	20,329.00	Yes
Amherst County Sanitary Landfill	563	Amherst	649,250.00	26,132.15	Yes
Appomattox County Sanitary Landfill	086	Appomattox	34,300.00	10,205.00	Yes
Atlantic Waste Disposal Sanitary Landfill	562	Sussex	7,140,200.00	1,580,034.09	Yes
Augusta County / Staunton Sanitary Landfill No. 2	585	Augusta	617,370.00	118,494.46	Yes
Augusta County Service Authority Sanitary Landfill	021	Augusta	0.00	0.00	Yes
Bedford County Sanitary Landfill	560	Bedford	228,614.50	41,482.00	Yes
BFI Old Dominion Sanitary Landfill	553	Henrico	2,866,000.00	814,749.00	Yes
Big Bethel Sanitary Landfill	580	Hampton	55,960,000.00	482,861.45	Yes
Botetourt County Sanitary Landfill	582	Botetourt	211,000.00	24,941.67	Yes
Bristol City Sanitary Landfill	498	Bristol	44,702.00	2,483.46	Yes
Bristol Quarry Balefill	588	Bristol	3,320,317.00	176,232.68	Yes
Brunswick Waste Management Facility	583	Brunswick	16,500,000.00	1,032,056.03	Yes
Campbell County Sanitary Landfill	285	Campbell	1,572,647.55	39,657.55	Yes
Caroline County Sanitary Landfill	182	Caroline	0.00	691.04	Yes
Carroll-Grayson-Galax Regional Sanitary Landfill	508	Carroll	152,000.00	48,661.94	Yes
City of Bedford (Hylton Site)	569	Bedford City	43,000.00	7,776.00	Yes
Corral Farm Sanitary Landfill	575	Fauquier	2,044,183.00	76,030.00	Yes
Craney Island Landfill	041	Portsmouth	1,100,000.00	11,884.00	Yes
Fauquier County Sanitary Landfill	149	Fauquier	650,000.00	123,338.00	Yes
Fluvanna County Sanitary Landfill	429	Fluvanna	131,124.00	10,126.00	Yes
Franklin County Sanitary Landfill	072	Franklin	413,517.00	51,300.00	Yes
Frederick County Sanitary Landfill	529	Frederick	1,867,530.00	134,338.00	Yes
Greensville County Sanitary Landfill	405	Greensville	135,000.00	22,739.00	Yes
Hanover County Sanitary Landfill	314	Hanover	0.00	36,339.00	Yes
I-95 Sanitary Landfill	103	Fairfax	2,550,000.00	381,339.58	Yes
Independent Hill Sanitary Landfill	029	Prince William	5,800,000.00	506,178.00	Yes
Ivy Sanitary Landfill	125	Albemarle	0.00	9,682.00	Yes
King and Queen Sanitary Landfill	554	King and Queen	25,350,000.00	823,126.00	Yes
King George County Sanitary Landfill and Recycling Facility	586	King George	18,500,000.00	1,643,731.80	Yes
Livingston Sanitary Landfill No. 2	547	Spotsylvania	1,156,500.00	51,954.70	Yes

_

 $^{^9}$ Facilities reported available capacity in tons, cubic yards, and acres. The available capacity has been estimated using the following conversion factors: 1000 lbs. pounds of MSW = 1 cu. yd.; 1200 lbs. of CDD waste = 1 cu. yd.; 1 acre reported capacity = 126,600 cu. yd.

Facility Name	Permit Number	County / City	Remaining Permitted Capacity on 12/31/02 (Tons)	Disposal Amount 2002 (Tons)	Submitted Capacity Information
Loudoun County Sanitary Landfill	001	Loudoun	12,000,000.00	16,995.00	Yes
Louisa County Sanitary Landfill	194	Louisa	650,000.00	23,930.68	Yes
Lunenburg County Sanitary Landfill	227	Lunenburg	225,000.00	21,279.00	Yes
Lynchburg Sanitary Landfill	558	Lynchburg	1,305,000.00	154,903.00	Yes
Maplewood Recycling & Waste Disposal Facility	540	Amelia	19,763,689.50	327,693.85	Yes
Martinsville Sanitary Landfill	049	Martinsville	208,868.50	85,638.00	Yes
Mecklenburg County Sanitary Landfill	014	Mecklenburg	250,000.00	42,710.00	Yes
Middle Peninsula Sanitary Landfill and Recycling Center	572	Gloucester	20,628,881.50	544,086.12	Yes
Northampton County Sanitary Landfill - Oyster Site	507	Northampton	12,000.00	16,358.00	Yes
Nottoway County Sanitary Landfill	304	Nottoway	520,965.85	21,919.91	Yes
NRRA Solid Waste Facility	548	Pulaski	396,850.00	186,969.00	Yes
Orange County Sanitary Landfill	090	Orange	417,418.00	43,997.25	Yes
Page County Sanitary Landfill	579	Page	1,885,000.00	242,919.16	Yes
Peters Mountain Sanitary Landfill #2	594	Alleghany	511,486.50	11,330.47	Yes
Petersburg City Sanitary Landfill	228	Petersburg	159,500.00	31,075.00	Yes
Pittsylvania County Sanitary Landfill	571	Pittsylvania	120,000.00	42,164.00	Yes
Prince Edward County Sanitary Landfill	584	Prince Edward	338,500.00	28,499.67	Yes
Rappahannock County Sanitary Landfill	520	Rappahannock	31,000.00	5,560.00	Yes
Rappahannock Reg. Solid Waste Mgt. Bd. Sanitary Landfill	589	Stafford	489,929.50	116,675.00	Yes
Rockbridge County Sanitary Landfill - Buena Vista	075	Rockbridge	460,329.00	46,032.90	Yes
Rockingham County Sanitary Landfill	062	Rockingham	647,500.00.00	105,640.50	Yes
Scott County Sanitary Landfill	023	Scott	57,000.00	16,486.00	Yes
Shenandoah County Sanitary Landfill	469	Shenandoah	1,900,000.00	42,122.00	Yes
, ,					
Shoosmith Sanitary Landfill	587	Chesterfield	7,671,065.00	676,622.00	Yes
Smith Gap Regional Sanitary Landfill	555	Roanoke	4,220,258.00	126,195.00	Yes
South Boston Sanitary Landfill	031	South Boston	301,500.00	55,811.01	Yes
Springfield Road Sanitary Landfill	545	Henrico	920,000.00	79,650.00	Yes
SPSA - Regional Sanitary Landfill	417	Suffolk	3,050,000.00	651,375.00	Yes
Tazewell County Sanitary Landfill	564	Tazewell	3,362,737.95	60,235.45	Yes
VA Beach Sanitary Landfill #2 - Mount Trashmore II	398	Virginia Beach	2,499,912.50	52,026.00	Yes
Waste Management Charles City Landfill	531	Charles City	16,629,323.00	535,339.95	Yes
Waynesboro City Sanitary Landfill MSW Balefill	204	Waynesboro	1,287.00	2,573.20	Yes
Wise County Sanitary Landfill	513	Wise	627,650.00	52,083.00	Yes
Number of Sanitary Landfills:		65 Totals:	251,810,044.85	12,793,547.73	

Remaining Permitted Sanitary Landfill Capacity: 19.7 Years

Facility Name	Permit Number	County / City	Remaining Permitted Capacity on 12/31/02 (Tons)	Disposal Amount 2002 (Tons)	Submitted Capacity Information
C/D/D Landfill					
623 C/D/D Landfill	506	Goochland	6,300,000.00	204,706.09	Yes
Ashcake C/D/D Landfill	574	Hanover	1,125,826.80	37,794.60	Yes
Country South	581	Roanoke	57,600.00	38,493.60	Yes
·	591	Frederick	2,658,000.00	37,814.00	Yes
County of Frederick CDD Landfill	235	Henrico	2,038,000.00	756.00	Yes
Cox's Charles City Road Landfill Inc. Cox's Darbytown Road Landfill Inc.	525	Henrico	206,119.80	96,345.60	Yes
Higgerson-Buchanan Inc.	493		783,596.40	102,544.20	Yes
Hilltop Sand & Gravel Co. Inc.	493 326	Chesapeake Fairfax	1,242,200.00	138,000.00	Yes
Debris Landfill	320	Tailiax	1,242,200.00	138,000.00	168
Indian Trail Disposal Facility	451	Suffolk	71,160.00	61,292.37	Yes
Lorton CDD Landfill - Furnace Road	331	Fairfax	5,100,000.00	927,209.20	Yes
Potomac Landfill	441	Prince William	662,016.00	472,256.69	Yes
Qualla Road Demo Landfill	516	Chesterfield	96,670.20	48,890.90	Yes
Rainwater Concrete Co. Landfill	327	Fairfax	1,121,739.60	66,260.40	Yes
Simons Hauling Debris Landfill	524	Henrico	240,000.00	61,398.00	Yes
Taylor Road Landfill	270	Chesterfield	532,518.00	158,809.80	Yes
Thomas Brothers Debris Landfill	445	Roanoke	2,691.00	373.50	Yes
Thrasher CDD Landfill	305	Chesapeake	105,000.00	148,731.00	Yes
Waltrip Landfill	322	James City	6,984.00	4,956.00	Yes
Wolftrap Operations Inc. Debris Landfill	436	York	111,000.00	55,785.60	Yes
Number of C/D/D Landfills:		19 Totals:	20,423,121.80	2,662,417.55	
Remaining Permitted C/D/D Landfil	l Capacity:	: 7.7 Years			
on-Captive Industrial L	andfill				
First Piedmont Corp Martinsville Landfill	065	Pittsylvania	691,197.50	85,818.35	Yes
Holland Enterprises Landfill	280	Suffolk	5,082,000.00	151,358.59	Yes
Number of Non-Captive Industrial I	andfills:	2 Totals:	5,773,197.50	237,176.94	
Remaining Permitted Non-Captive I	ndustrial I	andfill Canacity	24 3 Voors		

Grand Totals: **Total Number of Landfills:** 86 278,006,364.15 15,693,142.22

Remaining Permitted Capacity: 17.7 Years