

Commonwealth of Virginia

Department of Environmental Quality



Solid Waste Managed in Virginia
During Calendar Year 2010



June 2011

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Solid Waste Managed in Virginia During Calendar Year 2010

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Solid Waste Managed in Virginia During Calendar Year 2010

EXECUTIVE SUMMARY

Section 10.1-1413.1 of the Code of Virginia requires the Department of Environmental Quality (Department or DEQ) 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 20, 2011, 203 permitted facilities, one facility with an emergency permit (EMG) and one facility with an experimental permit (EXP) provided information on their activities for calendar year 2010 for this report. One permitted facility did not provide any information.

Based on the facilities' reports (excluding the EMG and EXP), a total of 19,705,417.22 tons of solid waste was received at Virginia's permitted solid waste management facilities during calendar year 2010. Of this total, 14,155,957.11 tons originated in the Commonwealth and 5,549,460.11 tons originated from other jurisdictions.

Municipal solid waste (MSW) constituted 12,931,911.38 tons of the total amount of solid waste received during calendar year 2010. Of the total MSW received, 8,904,306.22 tons originated in the Commonwealth and 4,027,605.16 tons originated from other jurisdictions.

Five jurisdictions accounted for 97.53% of all waste received from out-of-state sources: Maryland (39.38%); New York (26.96%); Washington, D.C. (19.76%); North Carolina (7.43%); and New Jersey (4.00%).

During calendar year 2010, the total solid waste and Construction/Demolition/Debris (CDD) waste received from out-of-state increased by 3.72%, and 7.98% respectively, compared to 2009 amounts; the total MSW from out-of-state decreased by 5.95%. Waste originating in Virginia during the same period, the total solid waste and MSW received decreased by 0.38% and 0.39% respectively and CDD increased by 0.75% compared to 2009 amounts.

Of the solid waste managed in Virginia during the year (excluding the one EMG report and the one EXP report), 76.81% or 12,416,468.52 tons was landfilled on-site, 12.65% or 2,044,779.60 tons was incinerated on-site, and the rest was managed by other means (see Table 3). Of all solid waste received at Virginia facilities during the year, 65.63% was MSW, 16.49% was CDD waste, and the remainder was other types of waste.

Permitted solid waste management facilities reported that 6.27% of the waste they managed was diverted from disposal by recycling or mulching. Most recycling occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. For more detailed information about recycling rates in

Virginia see the Calendar Year 2009 Virginia Annual Recycling Rate Report at <http://www.deq.virginia.gov/recycle/recycle.html>. A report on the statewide recycling rate for calendar year 2010 will be issued later this 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 – 20.3 years; CDD – 20.5 years; and non-captive industrial – 7.1 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.

At the option of the facility owner, Va. Code§10.1-1413.1 provides that the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located. Ten facilities provided such information for calendar year 2010.

The Department received one report from the City of Charlottesville pursuant to its EMG permit to handle woody debris. The Department also received one report from EnerSol Technologies, Inc. pursuant to its EXP permit to construct and test a gasification system.

Solid Waste Managed in Virginia During Calendar Year 2010

I. 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. 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 are set forth in the Virginia Administrative Code, 9VAC20-81-80.

II. 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, the jurisdiction where the waste originated, if known, and the facility's remaining capacity. A copy of the reporting table for furnishing information to the Department is provided as Attachment 1.

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

- municipal solid waste (MSW);
- construction/demolition/debris (CDD);
- industrial waste;
- regulated medical waste (RMW);
- vegetative and yard waste (VW/YW);
- incineration ash;
- sludge other than land applied in accordance with Va. Code §62.1-44.19:3;
- 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:

- recycled on-site;
- composted on-site;
- landfilled on-site;
- incinerated on-site;
- sent off-site to be recycled;

- sent off-site to be treated, stored or disposed (TSD);
- stored on-site at the beginning of the reporting period;
- stored on-site at the end of the reporting period;
- mulched; and
- other.

Facilities submit this data on-line or by hard copy to the appropriate DEQ Regional Office. Facilities may log on-line at the Virginia Solid Waste Information and Assessment (SWIA) webpage to submit data at <https://www.deq.virginia.gov/SWIAWebApp/login.jsp>. For the facilities that provided information, 18.05% (37 facilities and one Emergency Permit and one Experimental Permit) submitted hard copies and 81.95% (168 facilities) submitted the information on-line.

This report does not capture all of Virginia's waste management activities because all captive waste management facilities are statutorily exempt 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 or regulated medical waste facilities. As a result, the reported amounts of industrial waste, regulated medical waste and sludge represent only the portion that is managed in off-site facilities. In addition, this report does not reflect tires managed under the Waste Tire Trust Fund at facilities that do not require a permit. An emergency permit was issued in 2010 to the City of Charlottesville to manage debris waste. Information regarding the debris is treated separately in this report and addressed in Part VII, unless otherwise indicated. Likewise, an experimental permit (EXP) was issued in December 2009 to EnerSol Technologies, Inc. to construct and test a gasification system.

Permitted solid waste management facilities reported that 6.27% of the waste they managed was diverted from disposal by recycling or mulching. Most recycling occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. For more detailed information about recycling rates in Virginia see *the Calendar Year 2009 Virginia Annual Recycling Rate Report* at <http://www.deq.virginia.gov/recycle/recycle.html>. A report on the statewide recycling rate for calendar year 2010 will be issued later this year.

III. Receipt of Assessment Reports

By regulation, facilities must submit their reportable data by March 31 of each year. Facilities are required to submit a separate reporting table for each jurisdiction from which they received waste during the prior year. Information from reporting tables received on or before May 20, 2011 has been included in this report. Two hundred three permitted facilities reported on their activities for calendar year 2010. Last year, 200 facilities reported on their activities for calendar year 2009. For a list of the facilities reporting this year, see Attachment 2. These facilities submitted 342 separate reporting tables, representing waste received from 25 states (including Virginia and Washington, D.C.).

IV. Discussion of Reported Waste Management Activities

Table 1 summarizes the quantities of waste that facilities received and managed during calendar year 2010 by waste type and waste management method. As shown in the table, 19,705,417.22 tons of solid waste were received at Virginia's permitted solid waste management facilities during calendar year 2010. Municipal solid waste (MSW) constituted 12,931,911.38 tons of the total amount of solid waste received.¹

The column of Table 1 entitled "Landfilled On-Site" indicates the quantity of solid waste disposed of at permitted solid waste landfills in the Commonwealth during calendar year 2010. The amount of solid waste landfilled during the year was 12,416,468.52 tons. This is a decrease of 0.44% from the 12,471,463.99 tons landfilled in calendar year 2009. The other columns of Table 1 indicate the quantity of waste managed by other methods.

Table 2 shows the quantities of solid wastes imported from outside Virginia. Five jurisdictions accounted for 97.53% of all waste received from out-of-state sources: Maryland (39.38%); New York (26.96%); Washington, D.C. (19.76%); North Carolina (7.43%); and New Jersey (4.00%). See also Table 5.

Table 3 shows the percentage of each method of solid waste management used. Based on the management methods included in Table 3, the majority of solid waste managed in the Commonwealth during the year was landfilled on-site (76.81%) or incinerated (12.65%). Lesser amounts were reported as managed by recycling on-site and off-site (4.79%), mulched (1.48%), composted on-site (1.06%), stored on-site at the end of the year (0.91%), or other methods (2.29%). Waste that was stored at the facilities at the beginning of the year (144,640.04 tons) and waste that was sent off-site for treatment, storage, or disposal (4,256,615.19 tons) is not included in Table 3 or in the basis for calculating percentages for Figure 1. Accounting for those two exceptions, the basis for these percentages of waste managed is 16,164,527.77 tons. Waste stored on-site at the beginning of the year is similar to waste received and is not considered a management method. Waste that was simply sent off-site to another permitted Virginia facility for treatment storage or disposal would also be included in the receiving facility's reporting tables.

Table 4 shows the composition of the solid waste stream. Of all the solid waste received at Virginia facilities in calendar year 2010, 65.63% was MSW, 16.49% was CDD waste, and the remainder was other types of waste. These include industrial waste (5.36%), incineration ash (4.10%), sludge (2.60%), other waste (2.44%), and vegetative/yard waste (2.29%).

Table 5 shows the total quantity of waste received from the top five individual out-of-state jurisdictions. See Table 2 for details on waste received from out-of-state jurisdictions.

¹ 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 (except as noted). 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.

Figure 1 compares the amount of waste received at facilities from out-of-state jurisdictions to the amount received from Virginia during calendar year 2010. Of the total amount of solid waste received (19,705,417.22 tons), approximately 14,155,957.11 tons originated in the Commonwealth, and 5,549,460.11 tons originated from other jurisdictions. Thus, of all the waste received at Virginia facilities in 2010, 28.16% originated from other jurisdictions. Of the total MSW received (12,931,911.38 tons), approximately 8,904,306.22 tons originated in the Commonwealth, and 4,027,605.16 tons originated from other jurisdictions. Of the total CDD received (3,249,040.73 tons), approximately 2,585,060.79 tons originated in the Commonwealth, and about 663,979.4 tons originated from other jurisdictions.

Figure 2 shows a comparison of total solid waste received from 2004 through 2010 from both Virginia and out-of-state sources. Figure 3 shows the same comparison for MSW. The total amount of solid waste received at facilities during 2010 increased by 0.74% (145,659.53 tons) over 2009 amounts. For out-of-state sources during calendar year 2010, the total waste increased 3.72% (198,947.82 tons), MSW decreased by 5.95% (254,799.00 tons), and CDD increased by 7.98% (49,058.10 tons) from 2009. For Virginia sources during the same period, the total solid waste and MSW decreased by 0.38% (53,288.29 tons) and 0.39% (34,581.34 tons) respectively, and CDD increased by 0.75% (19,364.62 tons.)

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 and waste generators are not required to submit information on the amount of solid waste exported to other states.

V. Capacity Information

Permitted facilities that treat, store, or dispose of solid waste are required to report the available capacity, expected life, and current disposal rates. This information is summarized in Attachment 3.² MSW landfills reported a total available capacity of 214,919,530.66 tons and a current disposal rate of 10,565,651.74 tons per year. Thus, at the current disposal rate, there would be approximately 20.3 years of available MSW landfill capacity in the Commonwealth. This calculation does not account for population changes, changes in waste generation or disposal rates, or the future closings of older MSW disposal units under Va. Code § 10.1-1413.2. Nor does it include facilities that have not been built and are not accepting waste for which permits may have been issued. Last year, it was reported that there were approximately 21.3 years of remaining MSW disposal capacity.

CDD landfills reported a total available capacity of 33,397,734.60 tons and a current disposal rate of 1,631,283.25 tons per year. At the current disposal rate, there would be approximately 20.5 years of available CDD landfill capacity in the Commonwealth. Last

² Facilities report available capacity in cubic yards. The available capacity is estimated using the following conversion factors: 1000 lbs. of MSW = 1 cu. yd.; 1200 lbs. of CDD waste = 1 cu. yd., and 1000 lbs. of industrial waste = 1 cu. yd. The available capacity for individual facilities may vary, depending on factors such as a facility's compaction rate and use of daily cover materials. The last column in Attachment 3 sets forth the reported remaining life as estimated by individual facilities.

year, it was reported that there were approximately 19.4 years of remaining CDD disposal capacity.

Non-captive industrial landfills reported 1,551,353.23 tons of available capacity and a current disposal rate of 219,533.53 tons per year (approximately 7.1 years of remaining capacity). Last year, it was reported that there were approximately 56.1 years remaining capacity for non-captive industrial facilities.³

VI. Reports of Economic Benefits

At the option of the facility owner, Va. Code § 10.1-1413.1 provides that 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. Ten facilities provided such information for calendar year 2010. See Attachment 4 for details.

VII. Emergency Permit No. 097 and Experimental Permit 562

In 2010, the Department issued an emergency permit, EMG097, to the City of Charlottesville to handle wood debris from a summer microburst. Charlottesville reported that 3,500 tons were mulched and 1,000 tons were other than mulched; the waste was size reduced and used as trail material and mulch.

In December 2009, the Department issued an experimental permit, EXP562, to EnerSol Technologies, Inc. to construct and test a Multi-Stage Gasification system in 2010. EnerSol Technologies, Inc. received 11 tons of municipal solid waste; 2 tons were sent off-site to be treated, stored or disposed and 9 tons were gasified. The 9 tons gasified produced 3 tons of residue that were sent off-site to be treated, stored or disposed.

³ Two non-captive industrial facilities reported for CY2009 and CY2010. One facility hired a consultant to reevaluate the remaining capacity and expected remaining life resulting in a significant shift in the estimates.

Table 1 – Solid Waste Managed in Virginia – 2010 (in Tons)

Waste Type	Total Waste Received ⁴	Recycled Onsite ⁵	Composted Onsite	Landfilled Onsite	Incinerated Onsite	Recycled Offsite	TSD Offsite	Stored On-site Beginning of Year	Stored On-site End of Year	Mulched	Other ⁶
Municipal Solid Waste	12,931,911.38	591.00	3,025.47	7,761,093.28	2,035,826.01	72,226.82	3,058,779.80	25,830.86	25,889.85	280.00	0.00
Construction/Demolition/Debris	3,249,040.73	193,790.53	0.00	2,305,895.94	0.00	174,734.16	537,833.30	27,688.99	21,796.61	20,465.35	22,213.78
Industrial Waste	1,055,379.94	0.00	4,508.76	975,211.05	8,587.00	2,643.69	61,364.74	267.00	0.00	0.00	3,331.70
Regulated Medical Waste	7,330.26	0.00	0.00	0.00	0.00	0.00	1,875.21	0.00	0.00	0.00	5,455.05
Vegetative/Yard Waste	451,947.88	10,158.28	116,549.88	17,407.94	0.00	28,578.24	37,545.92	58,885.41	65,714.67	216,147.37	18,825.11
Incineration Ash	807,085.06	0.00	0.00	755,010.29	0.00	25,333.50	535,676.95	0.00	0.00	0.00	51,697.92
Sludge	512,000.38	4,853.08	46,802.25	452,788.52	0.00	4,122.00	3,224.53	0.00	0.00	0.00	210.00
Tires	60,544.19	17,516.53	0.00	2,329.55	50.00	32,636.01	5,240.99	15,672.67	16,121.90	0.00	2,351.79
White Goods	25,934.57	0.00	0.00	42.17	0.00	25,979.59	138.38	419.33	177.92	0.00	15.84
Friable Asbestos	7,278.71	0.00	0.00	7,265.71	0.00	0.00	16.38	3.38	0.00	0.00	0.00
Petroleum Contaminated Soil	115,192.23	0.00	0.00	53,500.97	0.00	33,618.00	144.89	9,934.30	11,074.99	0.00	26,787.68
Other Waste	481,771.89	9,207.08	1,147.62	85,923.10	316.59	139,134.09	14,774.11	5,938.10	5,756.40	2,831.14	238,978.00
Total	19,705,417.22	236,116.50	172,033.98	12,416,468.52	2,044,779.60	539,006.10	4,256,615.19	144,640.04	146,532.34	239,723.86	369,866.87

⁴ The amount of “Waste Received” and “Stored On-Site at the Beginning of the Year” may not precisely match the sum of the reported amounts for the remaining columns (i.e., each method of managing the waste). This difference reflects information submitted in the reporting tables. In particular, incineration ash generated by an energy recovery facility or incinerator may be listed as “sent off site to be treated, stored, or disposed” even though it was not “received” as ash at that facility. The total waste managed may be greater than the waste received due to ash generated at a facility. VW/YW may be composted to produce a product that is not managed as waste.

⁵ 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. A report on the statewide recycling rate for calendar year 2010 will be issued later this year. See the Calendar Year 2009 Virginia Annual Recycling Rate Report at <http://www.deq.virginia.gov/recycle/recycle.html>.

⁶ “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 – 2010 (in Tons)

State/ Possession	MSW	CDD	Industrial	RMW	VW/YW	Incin. Ash	Sludge	Tires	White Goods	Friable Asbestos	PCS	Other Waste	Total Received
Alabama	0.00	0.00	17.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.24
California	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Colorado	0.00	0.00	62.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.79
Connecticut	7,339.55	0.00	28.78	0.00	0.00	0.00	6,175.64	0.00	0.00	0.00	0.00	0.00	13,543.97
District of Columbia	865,590.36	155,155.28	761.81	0.00	501.00	38,366.00	34,163.32	86.05	4.00	1,042.55	308.07	866.18	1,096,844.62
Delaware	72.20	167.00	6,608.42	0.00	0.00	0.00	3,646.12	0.00	0.00	0.00	0.00	58.83	10,552.57
Florida	0.00	0.00	58.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	64.08
Georgia	0.00	0.00	5.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.06
Indiana	0.00	0.00	10.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.86
Kentucky	0.00	0.00	11.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.99
Massachusetts	3,951.84	0.00	14.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.73	4,024.44
Maryland	1,409,439.22	453,677.06	88,258.85	462.70	319.00	167,851.17	43,481.63	1,546.21	6.00	959.22	283.16	19,038.32	2,185,322.54
Mississippi	0.00	0.00	185.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.75
North Carolina	145,396.85	4,252.72	260,468.77	62.90	0.00	0.00	0.00	0.00	0.00	20.08	1,976.51	126.43	412,304.26
New Hampshire	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00
New Jersey	121,312.82	5,392.91	21,105.85	0.00	0.00	0.00	73,950.61	0.00	0.00	0.00	0.20	0.00	221,762.39
New York	1,403,941.52	35,877.00	1,245.43	0.00	0.00	0.00	55,246.72	0.00	0.00	0.00	15.82	7.97	1,496,334.46
Ohio	21.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.23	30.10
Pennsylvania	1,411.89	7,877.91	1,805.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.72	1,171.44	12,284.90
Rhode Island	0.00	0.00	21.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.45
South Carolina	0.00	0.00	73.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.16
Tennessee	39,957.57	1,434.34	511.82	0.80	473.37	0.00	125.87	155.66	1.33	0.00	6.50	88.69	42,755.95
Vermont	0.00	0.00	163.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	163.81
West Virginia	28,999.56	145.72	0.00	93.30	0.00	0.00	0.00	0.00	0.00	0.00	34.50	0.00	29,273.08
Miscellaneous*	169.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23,627.73	23,797.64
*Waste received from Canada, Mexico, throughout the United States, Central America, and South America													
Total from Other States	4,027,605.16	663,979.94	381,433.73	619.70	1,293.37	206,217.17	216,789.91	1,787.92	11.33	2,021.85	2,648.48	45,051.55	5,549,460.11
Total from Virginia	8,904,306.22	2,585,060.79	673,946.21	6,710.56	450,654.51	600,867.89	295,210.47	58,756.27	25,923.24	5,256.86	112,543.75	436,720.34	14,155,957.11
Total from All States	12,931,911.38	3,249,040.73	1,055,379.94	7,330.26	451,947.88	807,085.06	512,000.38	60,544.19	25,934.57	7,278.71	115,192.23	481,771.89	19,705,417.22

Table 3 – Methods of Solid Waste Management – 2010 (in Tons)

Methods of Solid Waste Management		
	Amount Managed (in Tons)	Percentage
Landfilled On-Site	12,416,468.52	76.81%
Incinerated On-Site	2,044,779.60	12.65%
Sent Off-Site to be Recycled	539,006.10	3.33%
Other	369,866.87	2.29%
Mulched	239,723.86	1.48%
Recycled On-Site	236,116.50	1.46%
Composted On-Site	172,033.98	1.06%
Stored On-Site End of Year	146,532.34	0.91%
Sum for all Waste Management	16,164,527.77	

Note: The basis for determining these percentages is the sum for all methods of waste management (recycled, composted, landfilled, etc.) in Table 1, with the exception of: (1) waste stored on-site at the beginning of the year (which is similar to waste received) and (2) waste that was sent off-site for treatment, storage or disposal (i.e., waste that was simply transferred to another facility for ultimate management). Accounting for those two exceptions, the basis for these percentages is 16,164,527.77 tons. Most recycling occurs at facilities other than permitted waste management facilities. See the Calendar Year 2009 Virginia Annual Recycling Rate Report at <http://www.deq.virginia.gov/recycle/recycle.html>. A report on the statewide recycling rate for calendar year 2010 will be issued later this year.

Table 4 – Composition of the Solid Waste Stream – 2010 (in Tons)

Composition of the Solid Waste Stream		
	Amount (in Tons)	Percentage
Municipal Solid Waste	12,931,911.38	65.63%
Construction/Demolition/Debris	3,249,040.73	16.49%
Industrial Waste	1,055,379.94	5.36%
Incineration Ash	807,085.06	4.10%
Sludge	512,000.38	2.60%
Other Waste	481,771.89	2.44%
Vegetative/Yard Waste	451,947.88	2.29%
Petroleum Contaminated Soil	115,192.23	0.58%
Tires	60,544.19	0.31%
White Goods	25,934.57	0.13%
Regulated Medical Waste	7,330.26	0.04%
Friable Asbestos	7,278.71	0.04%
Total	19,705,417.22	

Table 5 – Waste Received from Out-of-State Jurisdictions – 2010 (in Tons)

Top 5 States		
State	Tons	Percentage
MD - Maryland	2,185,322.54	39.38%
NY - New York	1,496,334.46	26.96%
DC - District of Columbia	1,096,844.62	19.76%
NC - North Carolina	412,304.26	7.43%
NJ – New Jersey	221,762.39	4.00%
Total	5,412,568.27	97.53%

Note: See Table 2 for more details.

Figure 1 – Solid Waste Received from Virginia and Other Jurisdictions – 2010 (in Tons)

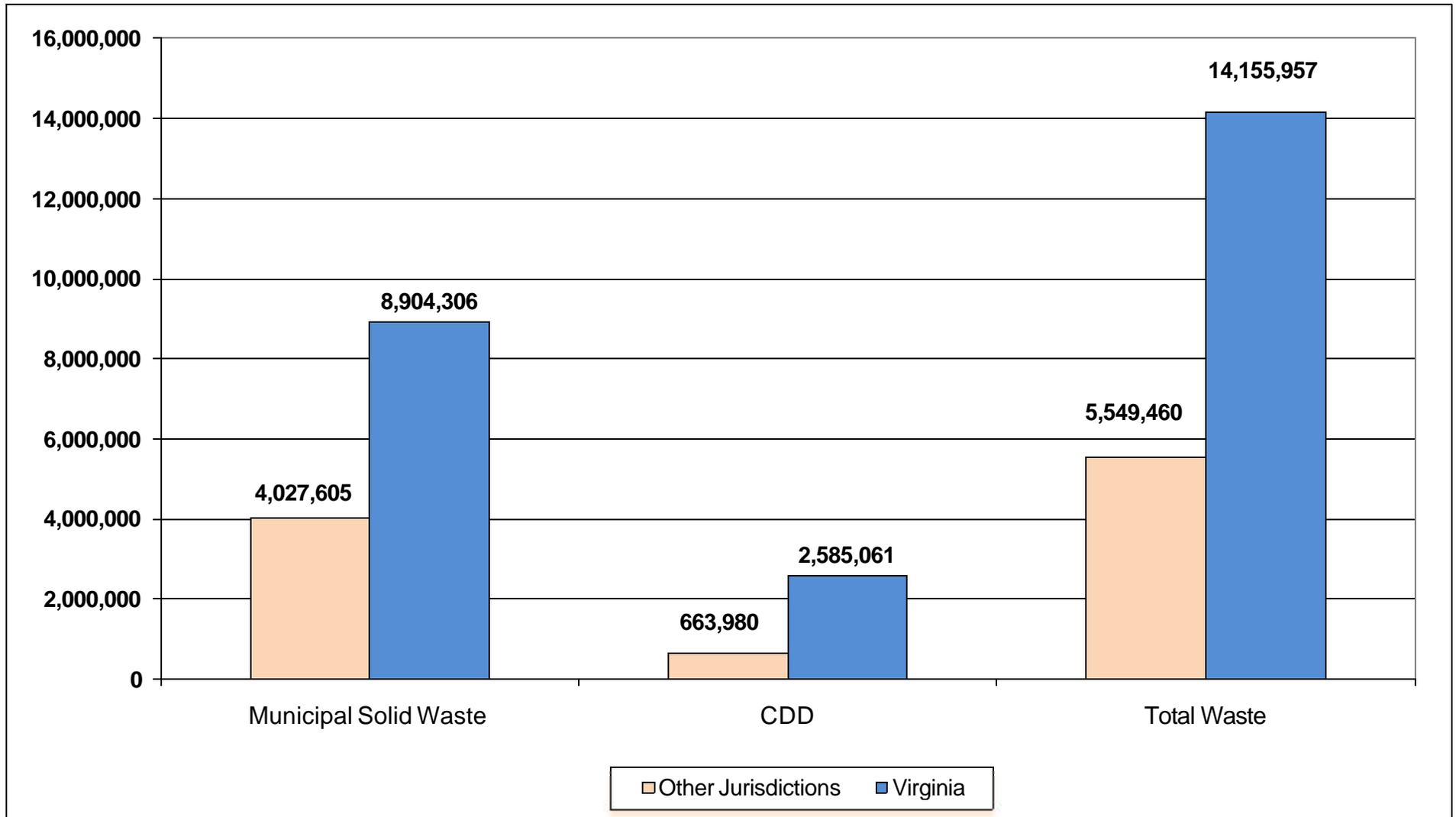


Figure 2 – Total Solid Waste Received from 2004 through 2010

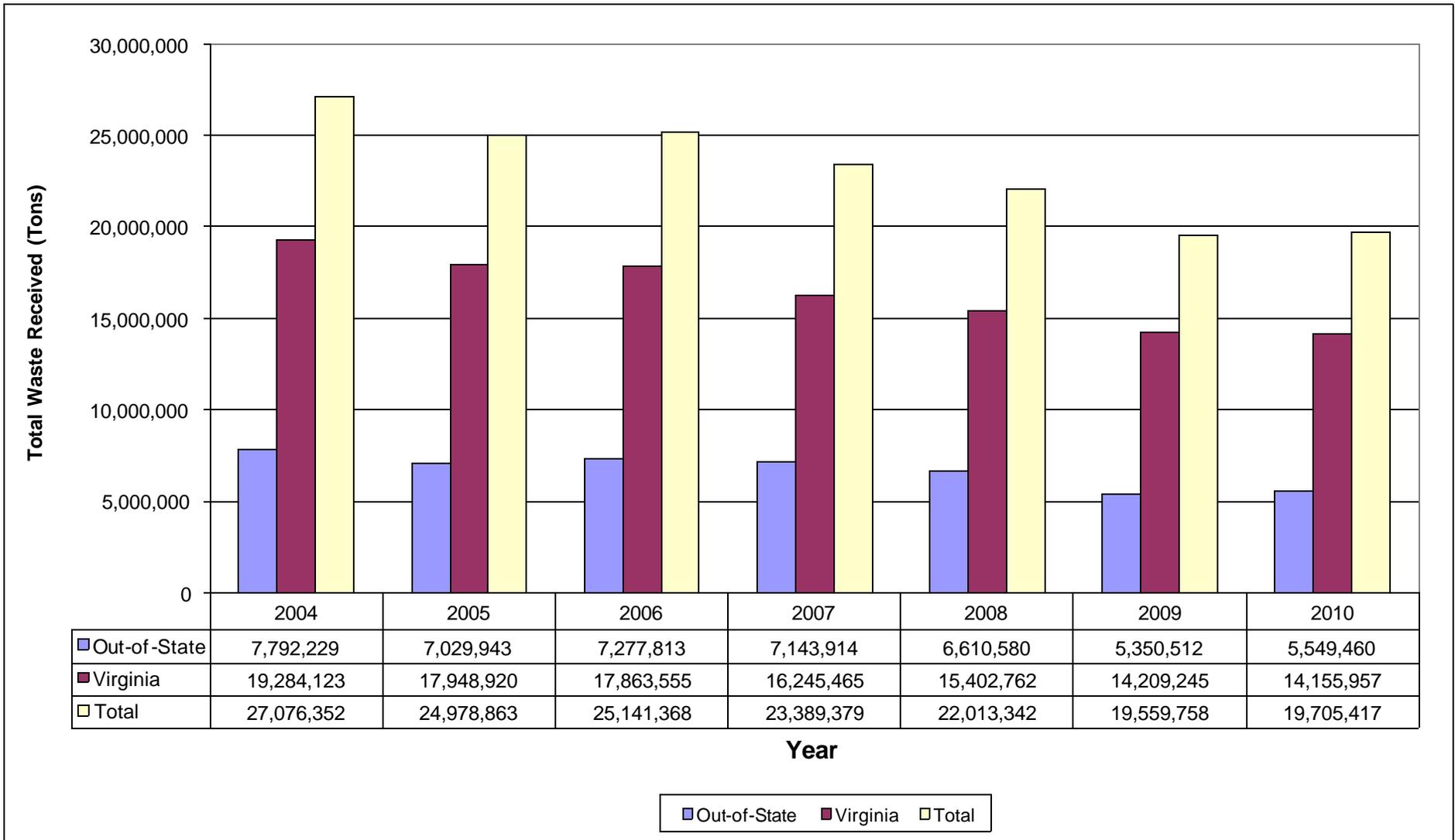
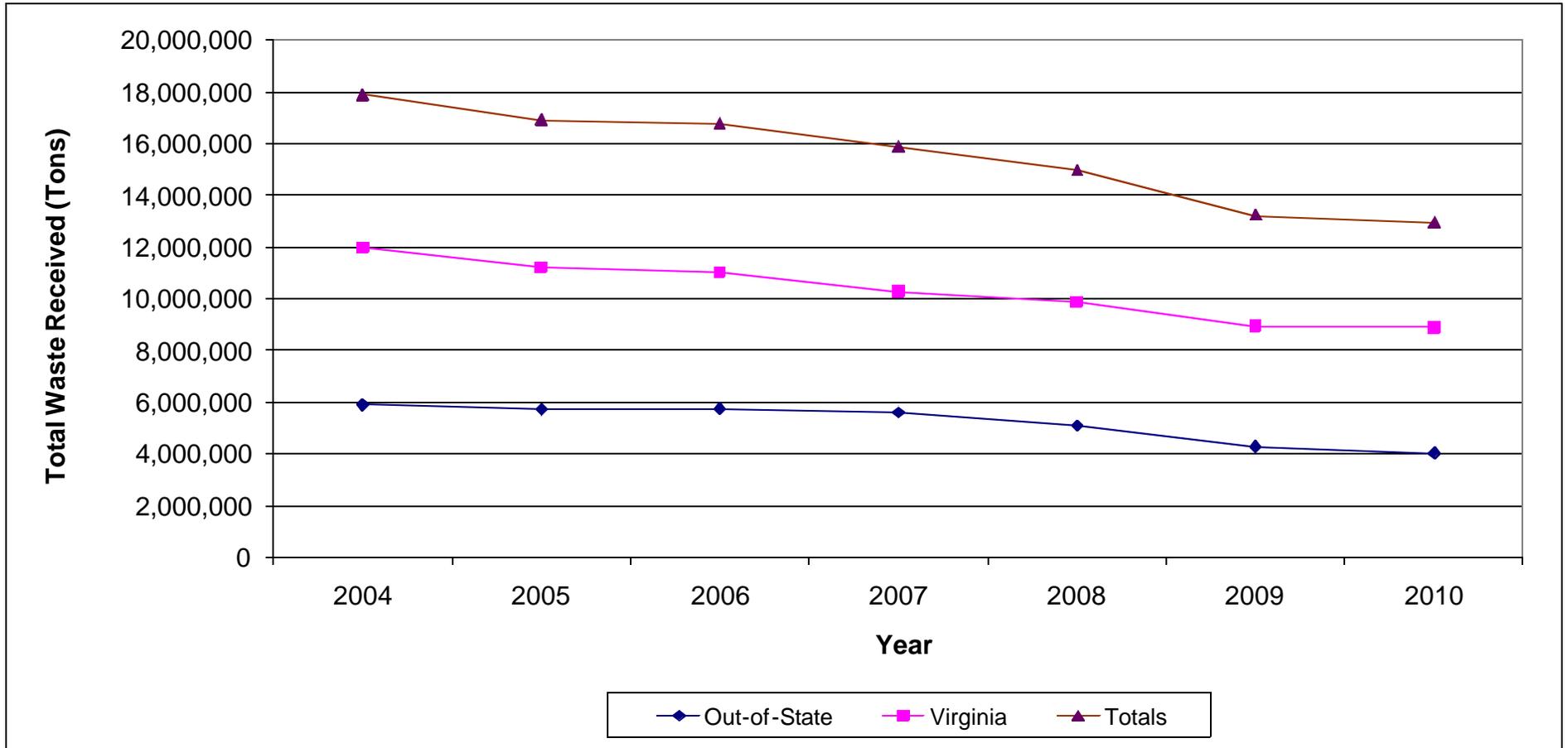


Figure 3 – Municipal Solid Waste Received from 2004 through 2010



Attachment 1 – Reporting Table

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

1	Facility Name		
2	Permit Number	3 Date Submitted to DEQ	4 Annual Reporting Period
5	Preparer's First Name	Middle Initial	Last Name
6	Telephone		
7	Preparer's E-mail Address <small>An email address will be used to contact you in case of questions about this form submission.</small>		
8	Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input type="checkbox"/> Y <input type="checkbox"/> N		
	Contact First Name	Last Name	Contact Phone
	Address		
	City	State	Zip Code
9	Remaining Permitted Capacity	Cubic Yards	<small>If a facility's permitted capacity is reported in tons, please note this below in General Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the number of years of permitted capacity available in the state.</small>
10	Expected Remaining Permitted Life	Years	

Waste amounts measured in : Tons or Cubic Yards

11 Originating Jurisdiction					11A Statement of Economic Benefits submitted? <input type="checkbox"/> Y <input type="checkbox"/> N						
Waste Type	Total Amount of Waste Received (a)	Recycled On-Site (b)	Composted On-site (c)	Landfilled On-site (d)	Incinerated On-Site (e)	Sent Off-Site to be: (f)		Stored On-Site:(g)		Other (h)	
						Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
12	Municipal Solid Waste										
13	Construction/ Demolition/Debris										
14	Industrial Waste										
15	Regulated Medical Waste										
16	Vegetative/Yard Waste										
17	Incineration Ash										
18	Sludge										
19	Tires										
20	White Goods										
21	Friable Asbestos										
22	Petroleum Contaminated Soil										
23	Other Wastes (specify)										
24	Total										

General Comments

Complete a separate form for each jurisdiction. See the instructions for completing Form DEQ 50-25. A separate form is provided for the optional Statement of Economic Benefits.

Revised 10/15/2007

Note: Facilities submit data on-line or send a hard copy to the appropriate DEQ Regional Office. Facilities may log on-line at the Virginia Solid Waste Information and Assessment (SWIA) page to submit data at <https://www.deq.virginia.gov/SWIAWebApp/login.jsp>. Instructions may be viewed at [SWIA Form On-line Instructions](#) or [SWIA Hard Copy Instructions and Form](#).

Attachment 2 – List of Facilities Reporting – 2010

Facility Name	Permit Number	Region
623 Landfill	SWP506	PRO
Accomack County - Northern Landfill 2	PBR112	TRO
Accomack County - Northern Landfill 2	SWP461	TRO
Accomack County - Southern Landfill	PBR090	TRO
Accomack County - Southern Landfill	SWP091	TRO
Alleghany County - Transfer Station	PBR103	BRRO
Amherst County Landfill Permit Number 563	SWP563	BRRO
AMRF Incorporated	PBR544	NRO
Appomattox County Landfill 86	PBR163	BRRO
Appomattox County Landfill 86	SWP086	BRRO
Aqua Clean Environmental of Virginia	PBR052	PRO
Arlington County - Department of Human Services	PBR206	NRO
Ashcake Road Landfill, Inc.	SWP574	PRO
Atlantic Waste Disposal Inc - Sussex County Landfill	SWP562	PRO
Augusta Regional Landfill	SWP585	VRO
Bath County of - Transfer Station	PBR045	VRO
Battle Creek Landfill	SWP579	VRO
Bay Disposal Incorporated MRF	PBR504	TRO
Bedford City - Hylton Site	PBR529	BRRO
Bedford City - Hylton Site	SWP569	BRRO
Bedford County - Sanitary Landfill	SWP560	BRRO
Bedford County - Transfer Station	PBR031	BRRO
BFI Fredericksburg Recyclery	PBR107	NRO
BFI King and Queen Landfill	SWP554	PRO
BFI Old Dominion Landfill	SWP553	PRO
BFI Transfer - Fluvanna Transcyclery	PBR099	VRO
BFI Waste Systems LLC - Roanoke	PBR105	BRRO
Blue Ridge Disposal Incorporated	PBR104	BRRO
Boissevain Transfer Station	PBR004	SWRO
Botetourt County Landfill	SWP582	BRRO
Bristol City Yard Waste Composting Facility	PBR525	SWRO
Bristol Solid Waste Management Facility	PBR074	SWRO
Bristol Solid Waste Management Facility	PBR116	SWRO
Bristol Solid Waste Management Facility	PBR121	SWRO
Bristol Solid Waste Management Facility	SWP498	SWRO
Bristol Solid Waste Management Facility	SWP588	SWRO
Broad Run Recycling	PBR536	NRO
Brunswick Waste Management Facility LLC	SWP583	PRO

List of Facilities Reporting – 2010

Facility Name	Permit Number	Region
Buchanan County - Transfer Station	PBR106	SWRO
Bull Hill Transfer Station	PBR029	SWRO
C3RS Incorporated	PBR560	NRO
Campbell County Landfill	SWP285	BRRO
Carroll Grayson Galax Regional Landfill	SWP508	SWRO
Carroll Grayson Galax Regional Landfill 2	SWP605	SWRO
Cedar Bluff Transfer Station	PBR002	SWRO
Centerville Turnpike CDD Landfill	SWP603	TRO
CFP Limited Liability Corporation	PBR521	NRO
City of Harrisonburg - Resource Recovery Facility	PBR513	VRO
Con Serv Industries	PBR102	NRO
Country South LLC - CDD Landfill	SWP581	BRRO
Covanta Alexandria Arlington Incorporated	SWP435	NRO
Covanta Alexandria Arlington Incorporated	PBR551	NRO
Covanta Fairfax Incorporated	PBR545	NRO
Covanta Fairfax Incorporated	SWP510	NRO
Covington City - Peters Mountain Landfill	SWP594	BRRO
Craig County - Transfer Station	PBR508	BRRO
Danville City of - Yard Waste Composting Facility	PBR010	BRRO
Darbytown Road Landfill	SWP525	PRO
Dickenson County of - Waste Transfer Station	PBR049	SWRO
DOC Powhatan Correctional Center	PBR175	PRO
East End Landfill	SWP524	PRO
Emanuel Tire of Virginia	PBR547	BRRO
Environmental Options Inc	PBR153	BRRO
Fairfax County - Health Department	PBR246	NRO
Fauquier County CDD MRF	PBR528	NRO
Fauquier County Solid Waste Management Facility	SWP149	NRO
Fauquier County Solid Waste Management Facility	SWP575	NRO
First Piedmont Corp	PBR196	BRRO
First Piedmont Corp	SWP065	BRRO
First Piedmont Corp - Martinsville TS	PBR520	BRRO
Floyd County - Transfer Station	PBR050	BRRO
Franklin County - Sanitary Landfill	SWP072	BRRO
Frederick County Landfill	SWP529	VRO
Frederick County Landfill	SWP591	VRO
Green Earth Materials Recovery Facility	PBR549	VRO
Green Zone Investments, LLC	PBR556	PRO

List of Facilities Reporting – 2010

Facility Name	Permit Number	Region
Greene County Transfer Station	PBR509	VRO
Greensville County Landfill	SWP405	PRO
Halifax County Transfer Station Facility	PBR539	BRRO
Hampton City - NASA Steam Plant	SWP297	TRO
Hanover County - 301 Solid Waste Facility	PBR189	PRO
Hanover County - 301 Solid Waste Facility	PBR512	PRO
Harborton Solid Waste Receiving Facility	PBR527	TRO
Harold Beasley Inc	PBR198	BRRO
Henrico County DPU Springfield Rd Waste Management	SWP545	PRO
Higgerson Buchanan Incorporated	SWP493	TRO
Hilltop Sand and Gravel Company Incorporated	SWP326	NRO
Industrial Resource Technology	PBR115	PRO
Interstate 66 - Solid Waste Management Facility	PBR555	NRO
Interstate 95 Landfill	SWP103	NRO
Ivy Materials Utilization Center	PBR132	VRO
J and E Recycling Materials Recovery Facility	PBR537	NRO
James City County Transfer Station	PBR021	TRO
John C Holland Enterprises, Inc.	SWP280	TRO
Kerkim Inc. dba SDI Materials Recovery Facility	PBR516	PRO
King George Landfill & Recycling Center	SWP586	NRO
Laurel Valley Center- Culpeper County	PBR140	NRO
LCM Corp - Transfer Station	PBR136	BRRO
Lee County of - Solid Waste Transfer Station	PBR070	SWRO
Lorton CDD Landfill	SWP331	NRO
Loudoun Composting	PBR141	NRO
Loudoun County Sanitary Landfill	SWP001	NRO
Louisa County Sanitary Landfill	SWP194	NRO
Lunenburg County Sanitary Landfill	SWP544	BRRO
Madison County Landfill and Transfer Station	PBR154	NRO
Map Tech Compost Facility	PBR526	SWRO
Maplewood Recycling and Waste Disposal	SWP540	PRO
Microbac Laboratories Incorporated	PBR505	NRO
Middle Peninsula Landfill	PBR125	PRO
Middle Peninsula Landfill	SWP572	PRO
Montgomery Regional Solid Waste Authority	PBR149	BRRO
Montgomery Regional Solid Waste Authority	PBR559	BRRO
MXI Environmental Services LLC	PBR180	SWRO
Nelson County Landfill	PBR051	VRO
New River Resource Authority Solid Waste Facility	SWP548	BRRO

List of Facilities Reporting – 2010

Facility Name	Permit Number	Region
New River Tire Recycling	PBR557	SWRO
Newport News City - Yard Waste Compost Fac No 1	PBR096	TRO
Northampton County - Transfer Station	PBR540	TRO
Nottoway County Sanitary Landfill-Blackstone	SWP304	BRRO
Orange County Sanitary Landfill	SWP090	NRO
Patrick Co - Solid Waste Transfer Station	PBR032	BRRO
Pittsylvania Co - Sanitary Landfill	SWP571	BRRO
Poplar Manor Enterprises LLC	PBR553	BRRO
Port Tobacco at Weanack	PBR507	PRO
Portsmouth City - Craney Island Landfill	SWP041	TRO
Potomac CDD Landfill	SWP441	NRO
Potomac Landfill Incorporated CDD MRF	PBR101	NRO
Prince Edward County Sanitary Landfill	SWP584	BRRO
Prince William County - Balls Ford Yard Waste	PBR030	NRO
Prince William County Sanitary Landfill	SWP029	NRO
Purgo Incorporated	PBR046	PRO
Rainwater Landfill	SWP327	NRO
Rappahannock Regional Solid Waste Management Board	SWP589	NRO
Reclamation Incorporated	PBR062	TRO
Region 2000 Services Authority - Concord Turnpike	SWP558	BRRO
Resource Management Group LLC	PBR565	BRRO
Richmond City of Hopkins Road Transfer Station	PBR160	PRO
Roanoke Valley Resource Authority Transfer Station	SWP546	BRRO
Rockbridge County Landfill	PBR071	VRO
Rockbridge County Landfill	SWP075	VRO
Rockingham County of - Sanitary Landfill	SWP062	VRO
Royal Oak Farm Solid Waste Composting Facility	SWP601	BRRO
Russell County of - Solid Waste Transfer Station	PBR001	SWRO
S. B. Cox Recycling Center MRF	PBR546	PRO
Salem City - New Transfer Station	PBR501	BRRO
Scott County Sanitary Landfill	SWP023	SWRO
Scott County Transfer Station	PBR548	SWRO
Shenandoah County Landfill - Edinburg	SWP469	VRO
Shoosmith Sanitary Landfill	SWP587	PRO
Smith Gap Regional Landfill	SWP555	BRRO
Smyth County of - Transfer Station	PBR041	SWRO
Soilex Corporation - Chesapeake	PBR510	TRO
Soilex Corporation - Suffolk	PBR155	TRO

List of Facilities Reporting – 2010

Facility Name	Permit Number	Region
Spivey Disposal LLC	PBR533	TRO
Spotsylvania County Livingston Sanitary Landfill	SWP547	NRO
SPSA - Boykins Transfer	SWP484	TRO
SPSA - Chesapeake Transfer	PBR194	TRO
SPSA - Franklin Transfer Station	PBR192	TRO
SPSA - Isle Of Wight Transfer Station	PBR193	TRO
SPSA - Ivor Transfer Station	SWP539	TRO
SPSA - Landstown Transfer	PBR191	TRO
SPSA - Norfolk Transfer Station	PBR195	TRO
SPSA - Oceana Transfer Station	PBR190	TRO
SPSA - Regional Landfill	SWP417	TRO
SPSA - Regional Landfill	PBR518	TRO
SPSA - Regional Landfill	PBR072	TRO
SRPSA - Butcher Creek Sanitary Landfill	SWP598	BRRO
Stericycle Chesterfield RMW Transfer Station	PBR517	PRO
Taylor Road Landfill	SWP270	PRO
Tazewell County Landfill	SWP564	SWRO
The Sustainability Park LLC	PBR532	PRO
The Sustainability Park LLC	PBR543	PRO
Thomas Brothers Debris Landfill	SWP445	BRRO
Tidewater Green Corporation	PBR554	TRO
Tri City Regional Disposal and Recycling Services	SWP228	PRO
United Disposal Incorporated	PBR522	TRO
US Army - Fort Belvoir	PBR164	NRO
US Central Intelligence Agency - George Bush Center	PBR173	NRO
US Department of Defense - Pentagon	PBR197	NRO
US Navy - Norfolk Naval Shipyard	PBR135	TRO
USA Waste of Virginia Landfills - Bethel	SWP580	TRO
Virginia Beach City - Landfill No 2	SWP398	TRO
Virginia Health Care Waste Transportation Inc	PBR143	BRRO
Virginia Materials Incorporated - Norfolk	PBR117	TRO
Virginia Recycling Corporation	PBR039	PRO
VPPSA - YWCF - York County	PBR013	TRO
Warren County - Transfer Station	PBR033	VRO
Washington County Solid Waste Landfill	PBR003	SWRO
Waste Industries LLC	PBR077	TRO
Waste Management Charles City Landfill	SWP531	PRO
Waste Management of Virginia - Leesburg	PBR006	NRO

List of Facilities Reporting – 2010

Facility Name	Permit Number	Region
Waste Management of Virginia - Manassas	PBR091	NRO
Waste Management of Virginia - Merrifield	PBR111	NRO
Waste Management of Virginia - Sterling	PBR093	NRO
Waterway Marine Terminal	PBR506	TRO
Watkins Nurseries Incorporated	PBR181	PRO
Westmoreland County of - Montross Transfer Station	PBR069	PRO
Wheelabrator Portsmouth Inc - Waste to Energy Facility	PBR500	TRO
Wise County Blackwood Transfer Station	PBR524	SWRO
Wise County Landfill	SWP513	SWRO
Wolftrap Operations Incorporated - Yorktown	SWP436	TRO
Wythe/Bland Solid Waste Transfer Station	PBR044	SWRO
York County Transfer Station	PBR022	TRO
Zion Crossroads Recycling Center dba van der Linde Recycling	PBR531	VRO
Zion Crossroads Recycling Center dba van der Linde Recycling	PBR561	VRO

Total Count: 203 ⁷

Regional Offices

BRRO - Blue Ridge

NRO - Northern Virginia

PRO - Piedmont

SWRO - Southwest

TRO- Tidewater

VRO - Valley

⁷ Covanta Alexandria Arlington Incorporated reported under SWP435 and PBR551 and was counted as one facility. Covanta Fairfax Incorporated reported under SWP510 and PBR545 and was counted as one facility. SWP435 and SWP510 were revoked in 2010.

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2010

MSW

	Facility Name	Permit Number	Landfill Type	12/10 Capacity in Tons	Landfilled in 2010 (Tons)	Expected Remaining Life (Yrs)
	MSW Landfill					
1	Accomack County - Northern Landfill 2	SWP461	MSW	173,098.50	18,560.49	9.4
2	Accomack County - Southern Landfill	SWP091	MSW	88,704.00	20,355.99	6.5
3	Amherst County Landfill Permit Number 563	SWP563	MSW	492,518.16	20,079.63	29.43
4	Appomattox County Landfill 86	SWP086	MSW	0.00	0.00	0
5	Atlantic Waste Disposal Inc - Sussex County Land	SWP562	MSW	42,828,969.50	1,721,159.01	43
6	Augusta Regional Landfill	SWP585	MSW	4,794,300.00	111,876.32	38
7	Battle Creek Landfill	SWP579	MSW	912,360.50	47,798.90	36
8	Bedford City - Hylton Site	SWP569	MSW	10,500.00	1,869.00	14
9	Bedford County - Sanitary Landfill	SWP560	MSW	351,000.00	39,363.00	11.1
10	BFI King and Queen Landfill	SWP554	MSW	12,100,000.00	798,919.04	22.6
11	BFI Old Dominion Landfill	SWP553	MSW	2,791,700.00	415,850.21	9
12	Botetourt County Landfill	SWP582	MSW	2,673.50	385.00	4
13	Bristol Solid Waste Management Facility ⁸	SWP498	MSW	0.00	0.00	10
14	Bristol Solid Waste Management Facility	SWP588	MSW	2,608,587.00	161,610.18	28
15	Brunswick Waste Management Facility LLC	SWP583	MSW	10,574,850.00	422,707.21	123
16	Campbell County Landfill	SWP285	MSW	1,365,115.00	0.00	10
17	Carroll Grayson Galax Regional Landfill	SWP508	MSW	30,816.00	24,486.25	0.5
18	Carroll Grayson Galax Regional Landfill 2	SWP605	MSW	1,447,680.00	9,726.68	22.4
19	Covington City - Peters Mountain Landfill	SWP594	MSW	420,435.14	7,532.41	55.81
20	Fauquier County Solid Waste Management Facility	SWP149	MSW	0.00	0.00	0
21	Fauquier County Solid Waste Management Facility	SWP575	MSW	569,918.00	57,909.10	9
22	Franklin County - Sanitary Landfill	SWP072	MSW	113,541.50	48,931.00	2.5
23	Frederick County Landfill	SWP529	MSW	4,951,221.50	124,756.07	39
24	Greensville County Landfill	SWP405	MSW	285,018.51	20,877.06	13.7
25	Henrico County DPU Springfield Rd Waste Management	SWP545	MSW	311,243.50	86,848.00	3.5
26	Interstate 95 Landfill	SWP103	MSW	3,966,482.50	323,184.18	32
27	King George Landfill & Recycling Center	SWP586	MSW	11,482,769.00	1,222,675.64	16.1
28	Loudoun County Sanitary Landfill	SWP001	MSW	11,615,900.00	85,745.63	60
29	Louisa County Sanitary Landfill	SWP194	MSW	49,824.00	16,597.00	2
30	Lunenburg County Sanitary Landfill	SWP544	MSW	207,649.50	12,341.99	2

⁸ Landfill has active status for landfill mining reclamation.

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2010

MSW Landfill						
31	Maplewood Recycling and Waste Disposal	SWP540	MSW	17,826,972.00	572,729.81	75.9
32	Middle Peninsula Landfill	SWP572	MSW	18,229,666.50	320,674.56	81.29
33	New River Resource Authority Solid Waste Facility	SWP548	MSW	421,338.50	85,282.99	3.1
34	Nottoway County of-Sanitary Landfill-Blackstone	SWP304	MSW	357,954.00	17,818.00	15
35	Orange County Sanitary Landfill	SWP090	MSW	168,601.31	28,916.36	2
36	Pittsylvania Co - Sanitary Landfill	SWP571	MSW	1,256,935.49	41,875.40	25
37	Prince Edward County Sanitary Landfill	SWP584	MSW	67,958.00	25,810.24	4.65
38	Prince William County Sanitary Landfill	SWP029	MSW	3,651,247.00	308,589.00	15
39	Rappahannock Regional Solid Waste Management Board	SWP589	MSW	73,678.46	115,795.35	0.75
40	Region 2000 Services Authority - Concord Turnpike	SWP558	MSW	257,973.00	227,549.62	1.58
41	Rockbridge County Landfill	SWP075	MSW	102,500.00	38,491.75	1.5
42	Rockingham County Sanitary Landfill	SWP062	MSW	468,322.50	71,949.34	9.85
43	Scott County Sanitary Landfill	SWP023	MSW	0.00	0.00	0
44	Shenandoah County Landfill - Edinburg	SWP469	MSW	2,304,500.00	40,694.00	36
45	Shoosmith Sanitary Landfill	SWP587	MSW	9,500,000.00	1,134,665.00	16
46	Smith Gap Regional Landfill	SWP555	MSW	0.00	146,459.75	0
47	Spotsylvania County Livingston Sanitary Landfill	SWP547	MSW	807,225.50	44,433.54	16.1
48	SPSA - Regional Landfill	SWP417	MSW	2,697,545.50	206,184.68	17
49	SRPSA - Butcher Creek Sanitary Landfill	SWP598	MSW	2,846,502.12	63,842.48	36
50	Tazewell County Landfill	SWP564	MSW	1,042,500.47	53,568.44	17
51	Tri City Regional Disposal and Recycling Services	SWP228	MSW	19,394.50	46,943.37	0.75
52	USA Waste of Virginia Landfills - Bethel	SWP580	MSW	21,989,806.00	580,585.32	83
53	Virginia Beach City - Landfill No 2	SWP398	MSW	1,629,293.00	201,006.00	8
54	Waste Management Charles City Landfill	SWP531	MSW	14,570,241.50	353,226.42	57.9
55	Wise County Landfill	SWP513	MSW	82,500.00	16,415.33	3
TOTAL				214,919,530.66	10,565,651.74	

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2010

CDD

	Facility Name	Permit Number	Landfill Type	12/10 Capacity in Tons	Landfilled in 2010 (Tons)	Expected Remaining Life (Yrs)
CDD Landfills						
1	623 Landfill	SWP506	CDD	9,960,000.00	173,946.03	35
2	Ashcake Road Landfill, Inc.	SWP574	CDD	694,620.60	31,479.00	19
3	Centerville Turnpike CDD Landfill	SWP603	CDD	2,677,794.00	105,834.93	17.03
4	Country South LLC - CDD Landfill	SWP581	CDD	1,525,944.00	2,062.50	255
5	Darbytown Road Landfill	SWP525	CDD	0.00	0.00	0
6	East End Landfill	SWP524	CDD	558,000.00	255,615.99	1.5
7	Frederick County Landfill	SWP591	CDD	2,389,234.20	15,880.40	51
8	Higgerson Buchanan Incorporated	SWP493	CDD	37,140.00	0.00	1
9	Hilltop Sand and Gravel Company Incorporated	SWP326	CDD	180,000.00	173,820.00	2
10	Lorton CDD Landfill	SWP331	CDD	3,097,730.40	672,697.00	8
11	Portsmouth City - Craney Island Landfill	SWP041	CDD	908,003.40	45,031.50	16
12	Potomac CDD Landfill	SWP441	CDD	807,646.80	50,322.30	20
13	Rainwater Landfill	SWP327	CDD	484,130.40	21,095.40	10
14	Taylor Road Landfill	SWP270	CDD	10,077,370.80	81,583.00	67
15	Thomas Brothers Debris Landfill	SWP445	CDD	120.00	12.00	0.5
16	Wolftrap Operations Incorporated - Yorktown	SWP436	CDD	0.00	1,903.20	0
	TOTAL			33,397,734.60	1,631,283.25	

Non-Captive Industrial Landfills

1	First Piedmont Corp	SWP065	Industrial	229,970.73	108,212.53	2.33
2	John C Holland Enterprises, Inc.	SWP280	Industrial	1,321,382.50	111,321.00	31
	TOTAL			1,551,353.23	219,533.53	

Summary of Remaining Capacity and Remaining Life

Facility Type	Number of Facility Type	Reported Available Capacity on 12/31/2010	Reported Annual Disposal Rate 2010	Remaining Capacity (Years)
MSW (Sanitary) Landfills	55	214,919,530.66	10,565,651.74	20.3
CDD Landfills	16	33,397,734.60	1,631,283.25	20.5
Non-Captive Industrial Landfills	2	1,551,353.23	219,533.53	7.1

Attachment 4 – Data Provided by Facilities Regarding Economic Benefits

Virginia Code § 10.1-1413.1.B provides that facility owners may provide “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.” The information presented below is for the 2010 calendar year.

Waste Management of Virginia operates the following six solid waste management facilities for which they reported economic benefit information: Amelia (Amelia Landfill), Charles City (Charles City Landfill), King George (King George Landfill), Sussex (Atlantic Waste Disposal), Hampton (Bethel Landfill) and Gloucester (Middle Peninsula). Waste Management of Virginia reported the following economic benefits for the facilities listed above:

Amelia (Amelia Landfill):

- Host fees of \$1,675,849;
- Free disposal and recycling costs to localities of \$259,160; and
- Local/State taxes of \$133,608.

Charles City (Charles City Landfill):

- Host fees of \$2,074,729;
- Free disposal and recycling costs to localities of \$167,097; and
- Local/State taxes of \$137,973.

King George (King George Landfill):

- Host fees of \$7,198,909;
- Free disposal and recycling costs to localities of \$389,989; and
- Local/State taxes of \$181,506.

Sussex (Atlantic Waste Disposal):

- Host fees of \$6,380,912;
- Free disposal and recycling costs to localities of \$265,256; and
- Local/State taxes of \$312,273.

Hampton (Bethel Landfill):

- Host fees of \$923,505; and
- Local/State taxes of \$137,729.

Gloucester (Middle Peninsula):

- Host fees of \$535,927;
- Free disposal and recycling costs to localities of \$543,674; and
- Local/State taxes of \$109,441.

Four other solid waste management facilities reported economic benefit information.

BFI Waste Systems of Virginia, LLC (BFI Old Dominion Landfill) reported the following benefits to Henrico County:

- Host fees of \$1,014,131;
- Free or reduced cost disposal and recycling totaling \$790,000;
- Direct employment associated with the facility of \$1,136,488; and
- Inspection Fee Payment to Henrico County of \$76,921.

BFI Waste Systems of Virginia, LLC (King and Queen Landfill) reported the following benefits to King and Queen County:

- Host fees of \$3,084,297;
- Free or reduced cost disposal and recycling totaling \$77,486;
- Direct employment associated with the facility of \$1,070,000;
- Environmental Contingency Fund Payment to King and Queen County of \$76,927; and
- Donations of \$6,000.

Carroll-Grayson-Galax Solid Waste Authority reported the following benefits to Carroll County, Grayson County and the City of Galax:

- Economic Development, widened road, and scholarships totaling \$310,200.

Tri City Regional Disposal & Recycling Facility reported the following benefits to the City of Petersburg:

- Host fees of \$138,750;
- Free or reduced cost disposal and recycling totaling \$390,544;
- Direct employment associated with the facility of \$150,000; and
- Recycling Credits of \$24,533.