

Commonwealth of Virginia

Department of Environmental Quality



Solid Waste Managed in Virginia
During Calendar Year 2014



June 2015

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Solid Waste Managed in Virginia During Calendar Year 2014

EXECUTIVE SUMMARY

Section 10.1-1413.1 of the Code of Virginia requires the Department of Environmental Quality (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 DEQ with information to prepare this report. As of May 4, 2015, 211 permitted facilities provided information on their activities for calendar year 2014 for this report.

Based on the facilities' reports, a total of 20,160,344.28 tons of solid waste was received at Virginia's permitted solid waste management facilities during calendar year 2014. Of this total, 14,975,574.02 tons originated in the Commonwealth and 5,184,770.26 tons originated from other jurisdictions.

Municipal solid waste (MSW) constituted 12,410,608.34 tons of the total amount of solid waste received during calendar year 2014. Of the total MSW received, 8,796,552.04 tons originated in the Commonwealth and 3,614,056.30 tons originated from other jurisdictions.

Five jurisdictions accounted for 98.39% of all waste received from out-of-state sources: Maryland (44.93%); New York (27.22%); Washington, D.C. (20.68%); North Carolina (4.39%) and New Jersey (1.18%).

During calendar year 2014, the total solid waste received from out-of-state decreased by 0.61%. MSW and construction/demolition/debris (CDD) received from out-of-state increased by 0.42% and 12.63% respectively, compared to 2013 amounts. Total out-of-state solid waste decreased as a result of a 42.76% decline in out-of-state industrial waste from 416,528.24 to 238,405.06 tons. For waste originating in Virginia during the same period, the total solid waste and MSW received increased by 0.11% and 1.57% respectively. CDD waste decreased by 1.87% compared to 2013 amounts.

Of the solid waste managed in Virginia during the year, 71.29% or 12,188,388.61 tons were landfilled on-site, 12.69% or 2,169,120.93 tons were incinerated on-site, and the rest was managed by other means (see Table 17). Of all solid waste received at Virginia facilities during the year, 61.56% was MSW, 19.28% was CDD waste, and the remainder was other types of waste (see Table 18).

Permitted solid waste management facilities reported that 11.07% of the waste they managed was diverted from disposal by recycling or mulching; 0.87% of the total waste managed was composted.

Permitted facilities are 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 – 27.2 years; CDD – 17.4 years; and non-captive industrial – 8.6 years. These projections do not account for population increases, changes in waste generation, or the closing of older MSW disposal units pursuant to statute.

At the option of the facility owner, Virginia 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. One facility provided such information for calendar year 2014.

I. Introduction

This report has been prepared in accordance with Virginia Code § 10.1-1413.1, which requires 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. All permitted facilities (except for captive waste management facilities) that treat, store or dispose of solid waste are required to provide DEQ with information in their possession as is reasonably necessary for DEQ to prepare this report. The requirements for reporting 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, amount of waste mined¹, 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, DEQ Form 50-25, for furnishing information to DEQ 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 Virginia Code 62.1-44.19:3
- tires
- white goods (e.g., refrigerators, washing machines)
- friable asbestos
- petroleum-contaminated soil (PCS)
- 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
- stored on-site at the beginning of the reporting period
- stored on-site at the end of the reporting period
- mulched
- other

¹ Landfill mining is the excavation of previously landfilled materials.

Facilities submit this data online or by paper copy to the appropriate DEQ Regional Office. Facilities may log online at the Virginia Solid Waste Information and Assessment (SWIA) webpage to submit data at

<http://www.deq.state.va.us/Programs/LandProtectionRevitalization/SolidHazardousWasteRegulatoryPrograms/SolidWaste/SolidWasteInformationandAssessmentProgram.aspx>.

For the facilities that provided information, 3.79% (8 facilities) submitted paper copies and 96.21% (203 facilities) submitted the information on-line.

This report does not include the waste management activities from captive waste management facilities because they 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.

III. Receipt of Assessment Reports

By regulation, facilities must submit their reportable data by March 31 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 4, 2015, has been included in this report. For 2014, 211 permitted facilities reported their activities. These facilities submitted 347 separate reporting tables, representing waste received from 26 states and jurisdictions (including Virginia and Washington, D.C.). Last year, 208 facilities reported their activities for 2013.

IV. Discussion of Reported Waste Management Activities and Capacity Information

Table 1 shows how the total solid waste received was managed by all facility types.² Table 2 lists the jurisdiction of origin of waste. Tables 3, 5, and 7 show how Municipal Solid Waste Sanitary Landfills, Construction/Demolition/Debris Landfills, and Industrial Landfills managed solid waste.³

² 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 on Form DEQ 50-25 except “mined materials” or 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.

³ Some columns and rows found in Table 1 do not appear in some of these tables. Rows and columns that do not have reported data were not used by any of the reporting entities; *i.e.* MSW Landfills do not incinerate waste so the column is not included; MSW landfills do not accept regulated medical waste so the row is not included.

Tables 9 – 16 show how other facility types (Incinerators, Transfer Stations, Material Recovery Facilities (MRF), Composters, and Regulated Medical Waste) managed the waste they received and a list of submitting facilities. Table 17 shows how the total waste stream was managed and Table 18 shows the composition of the total waste stream.

Permitted facilities that treat, store or dispose of solid waste are required to report the available capacity, expected life and current disposal rates. The remaining capacity and life, and a list of submitting facilities are in tables 4, 6, and 8.⁴ Calculations for remaining years of landfill capacity do not account for population changes, changes in waste generation, or the future closings of older MSW disposal units under Virginia Code § 10.1-1413.2. Also, calculations do not include facilities that have not been built and are not accepting waste for which permits may have been issued.

Figure 1 compares the amount of waste received at facilities from out-of-state jurisdictions to the amount received from Virginia during 2014. Figure 2 shows a comparison of total solid waste received from 2008 through 2014 from Virginia and out-of-state sources.

V. Reports of Economic Benefits

At the option of the facility owner, Virginia 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. One facility provided such information for 2014. See Attachment 2 for details.

VI. Waste Diversion and Recycling

SWIA data is collected from solid waste permitted facilities. Facilities submit the total tonnage received and how the amounts were managed (landfilled, mined, recycled on-site, recycled off-site, mulched, incinerated, other, composted, incinerated or stored). Permitted solid waste management facilities reported that 11.07% of the total waste they managed was diverted from disposal by recycling or mulching. Facilities composted 0.87% (149,497.95 tons) of the total waste managed. Table 19 shows for each SWIA category of waste the total amount of Virginia and out-of-state waste managed, total amount diverted and how the material was managed. In addition, Tables 3, 5, 7, 9, 11, 13, and 15 show how the various facility types managed the waste types.

Data in the Recycling Rate Report is compiled from solid waste planning units (SWPUs). Only those SWPUs with populations above 100,000 are required to report on an annual basis. SWPUs with populations of 100,000 or less submit a recycling survey report once

⁴ Facilities report available capacity in cubic yards. The available capacity is estimated using the following conversion factors: 1,000 lbs. of MSW = 1 cu. yd.; 1,200 lbs. of CDD waste = 1 cu. yd.; and 1,000 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.

every four years (reported in 2013 and will next report in 2017). The recycling rate is determined by this formula:

$$RR = [\text{PRMs recycled}] \div [\text{MSW generated}] + [\text{credits}]$$

- **PRMs** –Principal Recycled Materials
- **MSW generated** – equals sum of PRMs recycled and MSW disposed. (MSW disposed equals the amount of MSW delivered to landfills, transfer stations, incineration and waste-to-energy facilities).
- Credits may be added. See 9VAC20-130-125 for details.
- Yard wastes, vegetative wastes, tires, used oil filters and antifreeze may be deemed to be recycled under qualifying criteria.

The Recycling Rate Report Summary for 2014 for the required 17 SWPUs representing 113 Virginia localities is summarized in Table 20. This table shows only PRMs in tons and Total MSW disposed in tons. No credits are shown. For more detailed information about recycling rates in Virginia see the Calendar Year 2013 Virginia Annual Recycling Rate Report at:

<http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/RecyclingandLitterPreventionPrograms.aspx> The annual recycling report for calendar year 2014 will be issued later this year.

Table 1 – Solid Waste Managed in Virginia – 2014 (in Tons) for All Reporting Facilities

Waste Type	Total Waste Received ⁵	Mined Materials	Onsite Management of Waste						Sent Offsite to be:		Stored Onsite	
			Landfilled	Recycled Onsite ⁶	Composted	Incinerated	Mulched	Other ⁷	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
Municipal Solid Waste	12,410,608.34	58,602.24	7,317,067.97	17,261.65	2,454.03	2,153,963.38	0	25,547.00	133,222.52	2,826,561.71	22,774.37	15,906.66
Construction/Demolition/Debris	3,886,385.61	118,771.56	2,423,078.37	642,303.38	0	0	34,456.66	35,035.61	207,656.49	668,876.80	65,215.37	58,964.50
Industrial Waste	981,904.62	0	862,239.78	0	9,421.81	15,157.55	0	11,449.59	32,903.61	50,744.84	12.56	0
Regulated Medical Waste	6,398.95	0	0	0	0	0	0	4,087.39	0	2,311.56	0	0
Vegetative/Yard Waste	427,594.28	0	15,492.08	1,988.24	113,221.38	0	225,147.60	18,312.85	39,670.39	10,605.80	127,518.86	129,447.17
Incineration Ash	822,821.23	100,223.00	664,434.25	87,744.57	0	0	0	161,511.07	36,599.91	536,671.33	0	0
Sludge	419,350.44	0	395,177.27	0	22,498.08	0	0	0	0	1,675.09	0	0
Tires	90,094.44	0	730.14	17,985.34	0	0	0	2,536.85	67,194.55	5,409.25	5,111.32	1,341.56
White Goods	16,132.18	0	0	0	0	0	0	49.28	15,917.28	0	173.33	316.95
Friable Asbestos	4,636.08	0	4,608.16	0	0	0	0	0	0	29.72	6.80	5.00
Petroleum Contaminated Soil	479,993.83	0	372,704.38	0	0	0	0	32,927.34	73,385.00	1,146.61	5,269.50	5,100.00
Other Waste	614,424.29	3,456.48	132,856.21	28,700.55	1,902.66	0	79.30	184,062.75	230,844.45	45,262.73	8,272.05	10,933.86
Total for 2014	20,160,344.28	281,053.28	12,188,388.61	795,983.73	149,497.95	2,169,120.93	259,683.56	475,519.73	837,394.20	4,149,295.44	234,354.16	222,015.70
Total for 2013	20,175,496.10	81,569.91	12,324,873.60	575,003.49	142,191.07	2,167,565.59	246,539.68	477,252.83	767,800.47	4,101,390.96	204,331.83	227,528.60

⁵ The amount of “Total Waste Received” and “Stored Onsite 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. Vegetative/Yard Waste may be composted to produce a product that is not managed as waste.

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. Tables 19 and 20 provide more information. The annual recycling rate report for calendar year 2014 will be issued later this year.

⁷ “Other” methods of management may include steam sterilization of medical waste, approved use of shredded tires, and thermal treatment of petroleum contaminated soil, among others.

Table 2 – Jurisdiction of Origin of Waste Received – 2014 (in Tons)

State	MSW	CDD	Industrial	RMW	VY/WY	Incineration Ash	Sludge	Tires	White Goods	Friable Asbestos	PCS	Other Waste	Total Received
Alabama	0	0	161.74	0	0	0	0	0	0	0	0	0.49	162.23
California	0	0	2.93	0	0	0	0	0	0	0	0	1.84	4.77
Colorado	0	0	28.68	0	0	0	0	0	0	0	0	0	28.68
Connecticut	977	0	1,010.14	0	0	0	1,249.29	0	0	0	0	11.18	3,247.18
Delaware	26,176.10	392.00	3,271.61	0	0	0	0	0	0	0	7,463.62	1.12	37,304.45
District of Columbia	811,454.47	149,775.43	37,673.90	0	545.00	0	23,647.46	39.66	0	995.19	45,137.40	2,854.99	1,072,123.50
Florida	0	0	0	0	0	0	0	0	0	0	0	7.53	7.53
Georgia	21.11	0	205.50	0	0	0	0	0	0	0	0	726.03	952.64
Illinois	0	0	0.47	0	0	0	0	0	0	0	3.00	489.00	492.47
Maryland	1,207,215.24	575,307.60	89,503.30	3.57	401.00	181,070.50	82,193.19	249.22	0	660.95	65,793.21	127,157.96	2,329,555.74
Massachusetts	3,046.68	0	11.53	0	0	0	0	0	0	0	8.10	0	3,066.31
Mississippi	0	0	328.93	0	0	0	0	0	0	0	0	0	328.93
Missouri	0	0	304.06	0	0	0	0	0	0	0	0	28.11	332.17
New Hampshire	0	0	44.54	0	0	0	0	0	0	0	0	0	44.54
New Jersey	27,365.64	0	3,063.01	0	0	0	30,168.51	0	0	0	82.93	283.71	60,963.80
New York	1,398,595.12	22.00	987.31	0	0	0	11,766.50	0	0	0	7.25	78.67	1,411,456.85
North Carolina	117,666.38	624.12	96,478.63	6.16	0	0	0	0	0	13.57	14.25	12,583.87	227,386.98
Ohio	25.13	0	6.30	0	0	0	0	0	0	0	0	99.52	130.95
Pennsylvania	3,064.83	1,124	3,905.52	7.06	0	0	0	0	0	0	2.85	1,850.80	9,955.27
Rhode Island	123.00	0	0	0	0	0	0	0	0	0	0	0	123.00
South Carolina	1,559.82	0	781.47	0	0	0	0	0	0	0	0	2,444.14	4,785.43
Texas	0	0	20.13	0	0	0	0	0	0	0	0	20.19	40.32
Tennessee	14,942.56	2,998.74	263.42	173.21	850.71	0	37.52	143.02	0	0	0	442.55	19,851.73
Vermont	0	0	183.90	0	0	0	0	0	0	0	0	0	183.90
West Virginia	1,823.65	0	168.04	96.41	0	0	0	0	0	0	70.10	82.69	2,240.89
2014 Total Other States	3,614,056.30	730,244.10	238,405.06	286.41	1,796.71	181,070.50	149,062.47	431.90	0	1,669.71	118,582.71	149,164.39	5,184,770.26
2014 Total Virginia	8,796,552.04	3,156,141.51	743,499.56	6,112.54	425,797.57	641,750.73	270,287.97	89,662.54	16,132.18	2,966.37	361,411.12	465,259.90	14,975,574.02
2014 Total All States	12,410,608.34	3,886,385.61	981,904.62	6,398.95	427,594.28	822,821.23	419,350.44	90,094.44	16,132.18	4,636.08	479,993.83	614,424.29	20,160,344.28
2013 Total Other States	3,598,847.32	648,348.01	416,528.24	238.00	5,788.39	170,612.79	221,900.61	8,452.30	0	1,611.24	29,576.72	114,456.02	5,216,359.64
2013 Total Virginia	8,660,238.17	3,216,230.75	717,451.31	6,575.13	419,182.12	603,885.53	280,710.66	91,506.56	18,671.32	3,297.10	392,694.41	548,693.41	14,959,136.46
2013 Total All States	12,259,085.49	3,864,578.76	1,133,979.55	6,813.13	424,970.51	774,498.32	502,611.27	99,958.86	18,671.32	4,908.34	422,271.13	663,149.43	20,175,496.10

Table 3 – SW Managed by MSW (Sanitary) Landfills – 2014 (in Tons)

Waste Type	Total Waste Received	Mined Materials	Onsite Management of Waste					Sent Offsite to be:		Stored Onsite	
			Landfilled	Recycled Onsite	Composted	Mulched	Other	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
Municipal Solid Waste	7,373,274.43	58,602.24	7,317,067.97	17,261.65	54.57	0	25,547.00	23,628.95	48,316.50	0	0
Construction/Demolition/Debris	593,769.61	20,448.56	515,479.95	54,285.41	0	0	29,796.61	1,367.10	16,389.60	4,712.00	1,611.50
Industrial Waste	645,577.32	0	631,584.73	0	0	0	11,449.59	0.00	2,543.00	0.00	0.00
Vegetative/Yard Waste	155,052.72	0	4,989.06	1,988.24	10,240.80	105,974.10	8,742.07	20,391.43	0	16,125.59	17,578.35
Incineration Ash	822,821.23	100,223.00	664,434.25	87,744.57	0	0	161,511.07	9,354.34	0	0	0
Sludge	417,675.35	0	395,177.27	0	22,498.08	0	0	0	0	0	0
Tires	12,623.99	0	438.90	458.11	0	0	2,134.09	4,602.79	4,928.12	559.65	613.63
White Goods	9,444.23	0	0	0	0	0	0	9,353.71	0	88.08	156.60
Friable Asbestos	4,072.22	0	4,072.22	0	0	0	0	0	0	0	0
Petroleum Contaminated Soil	83,884.75	0	82,676.38	0	0	0	1,208.37	0	0	0	0
Other Waste	329,141.54	3,456.48	132,856.21	11,152.05	0	0	178,082.40	10,189.61	318.49	51.75	51.00
2014 MSW Total	10,447,337.39	182,730.28	9,748,776.94	172,890.03	32,793.45	105,974.10	418,471.20	78,887.93	72,495.71	21,537.07	20,011.08
2013 MSW Total	10,751,165.98	31,769.91	10,008,979.09	57,679.29	33,024.48	126,580.20	410,356.28	81,853.43	56,779.09	16,098.40	23,781.43

Table 4 – Capacity and Remaining Life for MSW (Sanitary) Landfills – 2014

	Facility Name	Permit Number	Capacity in Tons as of 12/2014	Landfilled in 2014 (Tons)	Expected Remaining Permitted Life (Years)	Region
1	Accomack County Northern Landfill	SWP461	99,240.50	23,096.65	3.85	TRO
2	Accomack County - Southern Landfill	SWP091	0	0	0	TRO
3	Amherst County Landfill	SWP563	420,567.27	22,176.06	22.76	BRRO
4	Atlantic Waste Disposal Inc	SWP562	55,049,214.00	1,186,349.12	98	PRO
5	Augusta Regional Landfill	SWP585	4,543,539.50	113,728.84	36.3	VRO
6	Battle Creek Landfill	SWP579	2,895,750.00	45,601.57	73	VRO
7	Bedford County - Sanitary Landfill	SWP560	220,517.50	44,133.00	5.9	BRRO
8	Bedford Town - Hylton Site	SWP569	7,500.00	5,042.02	3	BRRO
9	BFI Old Dominion Landfill	SWP553	2,107,740.23	753,421.98	5.2	PRO
10	Botetourt County Landfill	SWP582	16,298.50	242.00	54	BRRO
11	Bristol Integrated Solid Waste Management Facility	SWP498	0	0	6	SWRO
12	Bristol Integrated Solid Waste Management Facility	SWP588	2,302,928.50	150,586.50	31	SWRO
13	Brunswick Waste Management Facility LLC	SWP583	10,360,866.00	240,162.23	172	PRO
14	Carroll Grayson Galax Regional Landfill	SWP508	0	0	0	SWRO
15	Carroll Grayson Galax Regional Landfill 2	SWP605	1,343,363.00	34,995.07	39.0	SWRO
16	Charles City County Landfill	SWP531	13,781,662.00	304,770.19	98	PRO
17	Covington City - Peters Mountain Landfill	SWP594	390,966.05	8,437.08	46.33	BRRO
18	Disposal and Recycling Services of Lunenburg	SWP544	259,557.50	74,950.36	1.88	BRRO
19	Fauquier County Solid Waste Management Facility	SWP149	0	0	0	NRO
20	Fauquier County Solid Waste Management Facility	SWP575	325,194.50	50,590.14	30	NRO
21	Franklin County - Sanitary Landfill	SWP072	82,896.00	4,979.00	3.75	BRRO
22	Franklin County - Sanitary Landfill	SWP577	1,777,945.50	41,261.00	34	BRRO
23	Frederick County Landfill	SWP529	6,547,713.50	112,052.54	31	VRO
24	Greensville County Landfill	SWP405	365,794.81	20,097.86	36.40	PRO
25	Henrico County DPU Springfield Rd Waste Management	SWP545	0	41,937.49	0	PRO
26	Interstate 95 Landfill	SWP103	4,006,027.50	317,162.17	31.1	NRO
27	King and Queen Sanitary Landfill	SWP554	9,323,451.50	296,195.61	28.8	PRO
28	King George Landfill & Recycling Center	SWP586	19,945,227.50	1,202,740.02	31	NRO

Table 4 continued – Capacity and Remaining Life for MSW Landfills – 2014

	Facility Name	Permit Number	Capacity in Tons as of 12/2014	Landfilled in 2014 (Tons)	Expected Remaining Permitted Life (Years)	Region
29	Loudoun County Sanitary Landfill	SWP001	11,219,861.50	136,977.00	100	NRO
30	Louisa County Sanitary Landfill	SWP194	0	0	0	NRO
31	Louisa County Sanitary Landfill	SWP567	486,698.75	17,481.51	29	NRO
32	Maplewood Recycling and Waste Disposal	SWP540	17,231,350.50	263,974.15	120	PRO
33	Middle Peninsula Landfill and Recycling Facility	SWP572	17,584,354.50	401,681.55	78	PRO
34	New River Resource Authority Solid Waste Facility	SWP548	863,099.00	98,620.06	6.0	BRRO
35	Nottoway County of-Sanitary Landfill-Blackstone	SWP304	321,318.34	16,939.81	17.5	BRRO
36	Orange County Sanitary Landfill	SWP566	1,744,711.00	27,122.00	37.2	NRO
37	Pittsylvania Co - Sanitary Landfill	SWP571	444,877.37	35,475.16	21	BRRO
38	Prince Edward County Sanitary Landfill	SWP584	40,010.50	19,358.82	2.0	BRRO
39	Prince William County Sanitary Landfill	SWP029	6,753,500.00	370,011.00	18.5	NRO
40	Rappahannock Regional Solid Waste Management Board	SWP589	6,475,031.00	120,593.53	48	NRO
41	Region 2000 Regional Landfill - Livestock Rd Facility	SWP610	1,165,843.50	196,597.16	7	BRRO
42	Region 2000 Services Authority - Concord Turnpike	SWP558	0	4,680.43	0	BRRO
43	Rockbridge County Landfill	SWP075	175,446.58	41,379.42	2	VRO
44	Rockingham County of - Sanitary Landfill	SWP062	522,500.00	116,232.00	5	VRO
45	Shenandoah County Landfill - Edinburg	SWP469	2,174,262.00	40,410.00	34.3	VRO
46	Shoosmith Sanitary Landfill	SWP587	22,500,000.00	1,292,829.00	35	PRO
47	Smith Gap Regional Landfill	SWP555	5,303,652.00	146,125.07	40.71	BRRO
48	Spotsylvania County Livingston Sanitary Landfill	SWP547	879,391.00	123,423.44	9.3	NRO
49	SPSA - Regional Landfill	SWP417	2,534,304.50	263,082.17	17	TRO
50	SRPSA - Butcher Creek Sanitary Landfill	SWP598	2,723,626.96	64,166.54	32	BRRO
51	Tazewell County Landfill	SWP564	817,173.50	49,610.00	13	SWRO
52	Tri City Regional Disposal and Recycling Services	SWP228	1,597,000.00	259,228.25	11.9	PRO
53	USA Waste of Virginia Landfills - Bethel	SWP580	23,301,051.50	491,543.29	91	TRO
54	Virginia Beach City - Landfill No 2	SWP398	1,832,540.00	16,035.00	178	TRO
55	Wise County Sanitary Landfill	SWP513	562,500.00	40,492.08	13	SWRO
	MSW Landfill Total for 2014		265,428,065.35	9,748,776.94	27.2	
	MSW Landfill Total for 2013		218,732,292.64	10,008,979.09	21.9	

Table 5 – SW Managed by CDD Landfills – 2014

Waste Type	Total Waste Received	Mined Materials	Onsite Management of Waste					Sent Offsite to be:		Stored Onsite	
			Landfilled	Recycled Onsite	Composted	Mulched	Other	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
Construction/Demolition/Debris	2,068,276.21	98,323.00	1,753,596.36	383,132.80	0.00	2,745.60	5,239.00	23,594.09	13.00	6,722.00	5,000.00
Industrial Waste	82.74	0.00	82.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vegetative/Yard Waste	40,321.69	0.00	10,503.02	0.00	1,222.50	28,476.25	0.00	0.00	0.00	309.50	429.42
Tires	298.24	0.00	291.24	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00
Petroleum Contaminated Soil	290,028.00	0.00	290,028.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Waste	16,748.50	0.00	0.00	17,548.50	0.00	0.00	0.00	0.00	0.00	6,278.50	5,478.50
2014 CDD Total	2,415,755.38	98,323.00	2,054,501.36	400,681.30	1,222.50	31,221.85	5,239.00	23,601.09	13.00	13,310.00	10,907.92
2013 CDD Total	2,251,641.65	49,800.00	1,947,871.71	295,195.00	1,248.50	30,205.35	0.00	22,109.84	43.00	8,539.75	13,310.00

Table 6 – Capacity and Remaining Life for CDD Landfills – 2014

	Facility Name	Permit Number	Capacity in Tons as of 12/2014	Landfilled Onsite Tons	Expected Remaining Permitted Life (Years)	Region
1	623 Landfill	SWP506	12,387,529.80	269,194.61	51	PRO
2	Ashcake Road Landfill, Inc.	SWP574	502,482.60	60,663.60	8	PRO
3	Centerville Turnpike CDD Landfill	SWP603	2,306,112.00	226,872.11	18	TRO
4	Country South LLC - CDD Landfill	SWP581	1,450,896.30	3,759.13	250.5	BRRO
5	Frederick County Landfill	SWP591	2,328,186.00	30,654.24	34	VRO
6	Higgerson Buchanan Incorporated	SWP493	31,200.00	1,302.00	2	TRO
7	Hilltop Sand and Gravel Company Incorporated	SWP326	0	0	0	NRO
8	Lorton Construction Landfill	SWP331	3,699,118.20	1,087,313.00	4	NRO
9	Portsmouth City - Craney Island Landfill	SWP041	2,045,963.40	14,270.90	125.7	TRO
10	Potomac CDD Landfill	SWP441	594,000.00	140,064.00	14	NRO
11	Rainwater Landfill	SWP327	371,216.40	31,191.60	13	NRO
12	Taylor Road Landfill	SWP270	9,562,714.20	75,983.00	63	PRO
13	The East End Landfill	SWP524	338,500.20	112,483.17	3.27	PRO
14	Thomas Brothers Debris Landfill	SWP445	72,000.00	750.00	8	BRRO
	CDD Landfill Total for 2014		35,689,919.10	2,054,501.36	17.4	
	CDD Landfill Total for 2013		32,845,024.20	2,061,463.68	15.9	

Table 7 – SW Managed by Non-captive Industrial Landfills – 2014 (in Tons)

Waste Type	Total Waste Received	Onsite Management of Waste				Sent Offsite to be:	Stored Onsite	
		Landfilled	Recycled Onsite	Mulched	Other	Recycled Offsite	Beginning of Year	End of Year
Construction/Demolition/Debris	168,338.19	154,002.06	7,831.12	0	0	6,505.01	1,500.00	1,500.00
Industrial Waste	230,572.31	230,572.31	0	0	0	0	0	0
Vegetative/Yard Waste	8,724.00	0	0	8,131.00	0	623.00	30.00	0
Tires	5.00	0	5.00	0	0	0	30.00	30.00
Friable Asbestos	535.94	535.94	0	0	0	0	0	0
2014 Industrial Landfill Total	408,175.44	385,110.31	7,836.12	8,131.00	0	7,128.01	1,560.00	1,530.00
2013 Industrial Landfill Total	382,652.11	364,221.09	14,662.64	0	2,574.07	2,352.06	2,718.00	1,560.00

Table 8 – Capacity and Remaining Life for Non-captive Industrial Landfills – 2014

Facility Name	Permit Number	Capacity in Tons as of 12/2014	Landfilled Onsite Tons	Expected Remaining Permitted Life (Years)	Region
1 First Piedmont Corp - Ringgold	SWP065	212,447.56	147,986.81	1.7	BRRO
2 International Paper LF No 2 - Isle of Wight ⁸	SWP504	2,123,864.00	78,822.50	70	TRO
3 John C Holland Enterprises Inc	SWP280	964,444.00	158,301.00	13	TRO
Industrial Landfill Total for 2014		3,300,755.56	385,110.31	8.6	
Industrial Landfill Total for 2013		1,340,914.35	364,221.09	3.7	

⁸ This is the first year for SWP504 to report as a non-captive landfill. SWP065 and SWP280 were the only two non-captive industrial landfills reporting in 2013.

Table 9 – SW Managed by Incinerators – 2014

Waste Type	Total Waste Received	Onsite Management		Sent Offsite to be:		Stored Onsite	
		Recycled Onsite	Incinerated	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
Municipal Solid Waste	2,244,356.78	0	2,153,963.38	19,505.86	77,646.84	22,642.70	15,883.40
Industrial Waste	15,157.55	0	15,157.55	0	0	0	0
Incineration Ash	0.00	0	0	27,245.57	536,671.33	0	0
Tires	682.39	0	0	678.70	3.69	0	0
White Goods	122.40	0	0	122.40	0.00	0	0
Other Waste	1,030.00	0	0	9,512.76	46.08	0	0
2014 Incinerator Total	2,261,349.12	0	2,169,120.93	57,065.29	614,367.94	22,642.70	15,883.40
2013 Incinerator Total	2,259,484.54	4.62	2,167,565.59	52,990.99	598,898.37	13,569.00	22,642.70

Table 10 – List of Reporting Incinerators – 2014

Permit Number	Facility	Region
PBR173	Central Intelligence Agency Headquarters Compound	NRO
PBR197	US Department of Defense - Pentagon	NRO
PBR500	Wheelabrator Portsmouth Inc - Waste to Energy Facility	TRO
PBR513	City of Harrisonburg - Resource Recovery Facility	VRO
PBR545	Covanta Fairfax, Inc.	NRO
PBR551	Covanta Alexandria/Arlington Incorporated	NRO
SWP297	Hampton City - NASA Steam Plant	TRO

Table 11 – SW Managed by Transfer Stations – 2014

Waste Type	Total Waste Received	Onsite Management of Waste					Sent Offsite to be:		Stored Onsite	
		Landfilled	Recycled Onsite	Composted	Mulched	Other	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
Municipal Solid Waste	2,271,786.12	0	0	10.00	0	0	2,042.70	2,269,739.18	19.02	13.26
Construction/Demolition/Debris	162,560.51	0	25.60	0	100.00	0	28,149.33	134,285.58	0	0
Industrial Waste	33,144.48	0	0	0	0	0	0	33,144.48	0	0
Regulated Medical Waste	12.59	0	0	0	0	0	0	12.59	0	0
Vegetative/Yard Waste	67,544.23	0	0	0	55,033.87	3,350.03	8,844.84	266.80	2,332.43	2,381.12
Sludge	1,675.09	0	0	0	0	0	0	1,675.09	0	0
Tires	2,908.83	0	0	0	0	11.32	2,759.04	132.01	0.50	6.96
White Goods	6,350.55	0	0	0	0	49.28	6,226.17	0	85.25	160.35
Friable Asbestos	27.92	0	0	0	0	0	0	27.92	6.80	5.00
Petroleum Contaminated Soil	72.98	0	0	0	0	0	0	72.98	0	0
Other Waste	15,665.68	0	0	0	79.30	5,980.35	5,143.52	3,961.95	0.28	500.84
2014 TS Total	2,561,748.98	0	25.60	10.00	55,213.17	9,390.98	53,165.60	2,443,320.38	2,444.28	3,067.53
2013 TS Total	2,591,744.49	1.71	329.62	10.00	41,893.65	18,695.44	65,633.79	2,466,507.37	1,719.42	444.28

Table 12 – List of Reporting Transfer Stations – 2014

Permit Number	Facility	Region
PBR001	Russell County of - Solid Waste Transfer Station	SWRO
PBR002	Cedar Bluff Transfer Station	SWRO
PBR003	Washington County Solid Waste Landfill	SWRO
PBR004	Boissevain Transfer Station	SWRO
PBR013	VPPSA - YWCF - York County	TRO
PBR021	Virginia Peninsula Public Services Authority - JCC	TRO
PBR022	Virginia Peninsula Public Services Authority York County	TRO
PBR031	Bedford County - Transfer Station	BRRO
PBR032	Patrick Co - Solid Waste Transfer Station	BRRO
PBR033	Warren County - Transfer Station	VRO
PBR041	Smyth County of - Transfer Station	SWRO
PBR044	Wythe/Bland Solid Waste Transfer Station	SWRO
PBR045	Bath County of – Transfer Station	VRO
PBR049	Dickenson County of – Waste Transfer Station	SWRO
PBR050	Floyd County – Transfer Station	BRRO
PBR051	Nelson County – Transfer Station	VRO
PBR069	Westmoreland County of – Montross Transfer Station	PRO
PBR070	Lee County of - Solid Waste Transfer Station	SWRO
PBR090	Accomack County – Bobtown Southern Landfill	TRO
PBR091	Waste Management of Virginia – Manassas	NRO
PBR103	Alleghany County – Transfer Station	BRRO
PBR106	Buchanan County – Transfer Station	SWRO
PBR112	Accomack County – Northern Landfill #2	TRO
PBR121	Bristol Solid Waste Management Facility	SWRO
PBR132	Ivy Transfer Station	VRO
PBR136	LCM Corp - Transfer Station	BRRO
PBR140	Laurel Valley Center- Culpeper County	NRO
PBR149	Montgomery Regional Solid Waste Authority Transfer Station	BRRO
PBR153	Environmental Options Inc	BRRO
PBR154	Madison County Landfill and Transfer Station	NRO
PBR160	Richmond City of Hopkins Road Transfer Station	PRO

Table 12 continued – List of Reporting Transfer Stations – 2014

Permit Number	Facility	Region
PBR189	Hanover County - 301 Solid Waste Facility	PRO
PBR190	SPSA - Oceana Transfer Station	TRO
PBR191	SPSA - Landstown Transfer	TRO
PBR192	SPSA - Franklin Transfer Station	TRO
PBR193	SPSA - Isle Of Wight Transfer Station	TRO
PBR194	SPSA - Chesapeake Transfer	TRO
PBR195	SPSA - Norfolk Transfer Station	TRO
PBR196	First Piedmont Corp	BRRO
PBR501	Salem City - Transfer Station	BRRO
PBR507	Port Weanack Solid Waste Receiving Facility	PRO
PBR508	Craig Co. Transfer Station	BRRO
PBR509	Greene County Transfer Station	VRO
PBR518	SPSA - Regional Landfill	TRO
PBR520	First Piedmont Corp - Martinsville TS	BRRO
PBR524	Wise County Blackwood Transfer Station	SWRO
PBR527	Harborton Solid Waste Receiving Facility	TRO
PBR529	Bedford Town - Hylton Site	BRRO
PBR539	Halifax County Solid Waste Transfer Station	BRRO
PBR540	Northampton County - Transfer Station	TRO
PBR548	Scott County Transfer Station	SWRO
PBR555	I-66 Solid Waste Management Facility	NRO
PBR591	Henrico Co Springfield Rd TS	PRO
SWP484	SPSA - Boykins Transfer	TRO
SWP539	SPSA - Ivor Transfer Station	TRO
SWP546	Roanoke Valley Resource Authority Transfer Station	BRRO

Table 13 – SW Managed by Material, Recovery Facilities (MRF) – 2014

Waste Type	Total Waste Received	Onsite Management of Waste				Sent Offsite to be:		Stored Onsite	
		Landfilled	Recycled Onsite	Mulched	Other	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
Municipal Solid Waste	501,492.22	0	0	0	0	87,913.01	413,681.86	112.65	10.00
Construction/Demolition/Debris	951,414.49	0	197,028.45	31,611.06	0	148,582.30	575,620.68	52,281.37	50,853.00
Industrial Waste	39,272.41	0	0	0	0	32,903.61	6,381.36	12.56	0
Vegetative/Yard Waste	9,749.00	0	0	0	0	9,811.12	0	121.12	59.00
Tires	73,509.99	0	17,522.23	0	391.44	55,025.02	345.43	465.17	690.97
Petroleum Contaminated Soil	106,008.10	0	0	0	31,718.97	73,385.00	1,073.63	5,269.50	5,100.00
Other Waste	249,766.84	0	0	0	0	205,998.56	40,806.28	1,941.52	4,903.52
2014 MRF Total	1,931,213.05	0	214,550.68	31,611.06	32,110.41	613,618.62	1,037,909.24	60,203.89	61,616.49
2013 MRF Total	1,759,277.40	3,800.00	204,842.32	21,140.10	38,378.70	542,494.04	961,904.73	78,827.78	65,211.97

Table 14 – List of Reporting MRFs – 2014

Permit Number	Facility	Region
PBR006	USA Waste of Virginia - Leesburg Material Recovery	NRO
PBR039	Virginia Recycling Corporation	PRO
PBR046	Purgo Incorporated	PRO
PBR052	Aqua Clean Environmental of Virginia	PRO
PBR072	SPSA - Regional Landfill	TRO
PBR077	Waste Industries LLC	TRO
PBR093	USA Waste of Virginia - Sterling	NRO
PBR099	BFI Fluvanna Transcyclery - MRF	VRO
PBR101	Potomac Landfill Incorporated CDD MRF	NRO
PBR102	LFF Recycling Incorporated	NRO
PBR104	Blue Ridge Disposal Incorporated	BRRO
PBR105	BFI Waste Systems LLC - Roanoke	BRRO
PBR107	BFI Fredericksburg Recyclery	NRO
PBR111	Waste Management of Virginia - Merrifield	NRO
PBR116	Bristol Solid Waste Management Facility	SWRO
PBR117	Opta Minerals Inc. Virginia Materials Inc - Norfolk	TRO
PBR135	US Navy - Norfolk Naval Shipyard	TRO
PBR155	Clearfield MMG, Inc.	TRO
PBR180	MXI Environmental Services LLC	SWRO
PBR198	Harold Beasley Inc	BRRO
PBR504	Bay Disposal Incorporated MRF	TRO
PBR506	Waterway Marine Terminal	TRO
PBR510	Clearfield MMG, Inc.	TRO
PBR516	County Waste, LLC	PRO
PBR521	CFP, LLC	NRO
PBR522	United Disposal Inc	TRO
PBR528	Fauquier County CDD MRF	NRO
PBR531	Zion Crossroads Recycling Center dba van der Linde Recycling CDD MRF	VRO
PBR533	Spivey Disposal LLC	TRO

Table 14 continued – List of Reporting MRFs – 2014

Permit Number	Facility	Region
PBR536	Broad Run Recycling MRF	NRO
PBR537	J & E Recycling LLC	NRO
PBR543	Ace Recycling	PRO
PBR544	AMRF Incorporated	NRO
PBR546	S. B. Cox Recycling MRF	PRO
PBR547	Emanuel Tire of Virginia	BRRO
PBR549	Green Earth Materials Recovery Facility	VRO
PBR554	Tidewater Green Corporation	TRO
PBR556	Green Zone Investments, LLC (PROCO)	PRO
PBR558	Recycling and Disposal Solutions of Virginia (RDS)	TRO
PBR559	Montgomery Regional Solid Waste Authority	BRRO
PBR560	C3RS Tire Recycling	NRO
PBR561	Zion Crossroads Recycling Center dba van der Linde Recycling MSW MRF	VRO
PBR563	W and N Material Recovery Facility	NRO
PBR565	Resource Management Group, LLC	BRRO
PBR567	B&H Sales Corp	TRO
PBR568	TFC Recycling	TRO
PBR571	County Waste	PRO
PBR572	S.B.Cox Yorktown Recycling Center	TRO
PBR573	New River Tire Recycling - Hillsville	SWRO
PBR588	Bay Disposal & Recycling	TRO
PBR590	Tri City Regional Disposal and Recycling Services Landfill	PRO
PBR592	Fiberight/Atlantic Recycling Technologies LLC	PRO
PBR594	Recycling and Disposal Solutions of Virginia	BRRO
PBR595	Emanuel Tire of Virginia - Waverly	PRO
PBR596	Military Highway Recycling Center MRF	TRO
PBR599	West End Resource Recovery Facility	PRO
PBR601	Joseph Harris Tire Disposal	PRO
PBR603	Emanuel Tire of Virginia	PRO

Table 15 – Summary Table of SW Managed by Facility Type – 2014

Facility Type	Total Waste Received	Mined Materials	Onsite Management of Waste						Sent Offsite to be:		Stored Onsite	
			Landfilled	Recycled Onsite	Composted	Incinerated	Mulched	Other	Recycled Offsite	Treated, Stored, Disposed	Beginning of Year	End of Year
MSW Landfill Total	10,447,337.39	182,730.28	9,748,776.94	172,890.03	32,793.45	0	105,974.10	418,471.20	78,887.93	72,495.71	21,537.07	20,011.08
CDD Landfill Total	2,415,755.38	98,323.00	2,054,501.36	400,681.30	1,222.50	0	31,221.85	5,239.00	23,601.09	13.00	13,310.00	10,907.92
Non-captive Industrial Landfill Total	408,175.44	0	385,110.31	7,836.12	0	0	8,131.00	0	7,128.01	0	1,560.00	1,530.00
Incinerator Total	2,261,349.12	0	0	0	0	2,169,120.93	0	0	57,065.29	614,367.94	22,642.70	15,883.40
Transfer Station Total	2,561,748.98	0	0	25.60	10.00	0	55,213.17	9,390.98	53,165.60	2,443,320.38	2,444.28	3,067.53
Material Recovery Facility Total	1,931,213.05	0	0	214,550.68	0	0	31,611.06	32,110.41	613,618.62	1,037,909.24	60,203.89	61,616.49
Compost Total	159,927.43	0	0	0.00	115,472.00	0	27,532.38	6,173.75	0	10,357.72	108,600.22	108,999.28
RMW Total	6,386.36	0	0	0	0	0	0	4,087.39	0	2,298.97	0	0
Total All Facilities	20,160,344.28	281,053.28	12,188,388.61	795,983.73	149,497.95	2,169,120.93	259,683.56	475,472.73	833,466.54	4,180,762.96	230,298.16	222,015.70

Table 16 – List of Reporting Compost and RMW Facilities – 2014

Permit Number	Compost Facility	Region
PBR009	623 Landfill - Compost Facility	PRO
PBR010	Danville City of - Yard Waste Composting Facility	BRRO
PBR030	Prince William County - Balls Ford Yard Waste	NRO
PBR096	Newport News City - YWCF 2 - McManus Blvd	TRO
PBR125	Middle Peninsula Landfill	PRO
PBR141	Loudoun Composting	NRO
PBR175	DOC Powhatan Correctional Center	PRO
PBR181	Watkins Nurseries Incorporated	PRO
PBR512	Hanover County - 301 Solid Waste Facility	PRO
PBR525	Bristol Integrated Solid Waste Management Facility	SWRO
PBR532	The Sustainability Park LLC	PRO
PBR553	Poplar Manor Enterprises, LLC	BRRO
PBR589	Black Bear Composting, Inc.	VRO
SWP601	Royal Oak Farm Solid Waste Composting Facility	BRRO

Permit Number	RMW Facility	Region
PBR143	Virginia Health Care Waste Transportation, Incorporated	BRRO
PBR206	Arlington County - Department of Human Services	NRO
PBR505	Microbac Laboratories, Inc.	NRO
PBR517	Stericycle Chesterfield RMW Transfer Station	PRO

Table 17 – Methods of Solid Waste Management – 2014 (in Tons)

Methods of Solid Waste Management		
	Amount Managed (in Tons)	Percentage
Landfilled On-Site	12,188,388.61	71.29%
Incinerated On-Site	2,169,120.93	12.69%
Sent Off-Site to be Recycled	837,394.20	4.90%
Recycled On-Site	795,983.73	4.66%
Other	475,519.73	2.78%
Mulched	259,683.56	1.52%
Stored On-Site End of Year	222,015.70	1.30%
Composted On-Site	149,497.95	0.87%
Sum for all Waste Management	17,097,604.41	100.00%

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 17,097,604.41 tons. Facilities that mine landfill materials report how much material was mined and how it was managed.

Table 18 – Composition of the Solid Waste Stream – 2014 (in Tons)

Composition of the Solid Waste Stream		
	Amount (in Tons)	Percentage
Municipal Solid Waste	12,410,608.34	61.56%
Construction/Demolition/Debris	3,886,385.61	19.28%
Industrial Waste	981,904.62	4.87%
Incineration Ash	822,821.23	4.08%
Other Waste	614,424.29	3.05%
Petroleum Contaminated Soil	479,993.83	2.38%
Vegetative/Yard Waste	427,594.28	2.12%
Sludge	419,350.44	2.08%
Tires	90,094.44	0.45%
White Goods	16,132.18	0.08%
Regulated Medical Waste	6,398.95	0.03%
Friable Asbestos	4,636.08	0.02%
Total	20,160,344.28	100.00%

Table 19 – Tons Recycled or Diverted from Landfills – 2014

Annual Reporting Period 2014 for Virginia jurisdictions ⁹						
Waste Type	Total Waste Received	Tons Recycled or Diverted	Recycled Onsite	Recycled Offsite	Composted Onsite	Mulched
Municipal Solid Waste	8,796,552.04	152,938.20	17,261.65	133,222.52	2,454.03	0
Industrial Waste	2,885,056.46	39,967.42	0	32,903.61	7,063.81	0
Incineration Ash	641,750.73	113,476.69	86,231.12	27,245.57	0	0
Other Waste	508,855.90	257,702.13	28,700.55	227,019.63	1,902.66	79.30
Vegetative/Yard Waste	426,270.57	378,230.89	1,988.24	39,670.39	112,370.67	224,201.60
Petroleum Contaminated Soil	361,411.12	73,385.00	0	73,385.00	0	0
Sludge	272,687.97	22,498.08	0	0	22,498.08	0
Tires	89,662.54	85,062.34	17,985.34	67,077.00	0	0
White Goods	16,132.18	15,917.28	0	15,917.28	0	0
Total	13,998,379.50	1,139,178.03	152,166.90	616,441.00	146,289.24	224,280.90

Annual Reporting Period 2014 for Out-of-state jurisdictions						
Waste Type	Total Waste Received	Tons Recycled or Diverted	Recycled Onsite	Recycled Offsite	Composted Onsite	Mulched
Construction/Demolition/Debris	730,244.10	112,021.18	110,549.21	1,197.17	0	274.80
Industrial Waste	238,405.06	2,358.00	0	0	2,358.00	0
Incineration Ash	181,070.50	10,867.79	1,513.45	9,354.34	0	0
Other Waste	149,164.39	3,824.82	0	3,824.82	0	0
Vegetative/Yard Waste	1,796.71	1,796.71	0	0	850.71	946.00
Tires	431.90	117.55	0	117.55	0	0
Total	1,301,112.66	130,986.05	112,062.66	14,493.88	3,208.71	1,220.80

⁹ Data in Table 19 is summarized from SWIA reports.

Table 20 – Recycling Rate Report Summary – 2014

Recycling Rate Report Summary 2014¹⁰

Principal Recyclable Material (PRM) in Tons	
Paper	609,871
Metal	531,031
Plastic	21,946
Glass	7,855
Commingled	500,163
Yard Waste	488,902
Waste Wood	200,644
Textiles	13,903
Waste Tires	30,767
Used Oil	35,767
Used Oil Filters	789
Used Antifreeze	3,911
Auto Bodies	31
Batteries	11,435
Electronics	8,602
Other	24,768
Total PRM in Tons	2,493,225

Total MSW Disposed in Tons	
Household Waste	3,503,915
Commercial Waste	608,271
Institutional Waste	56,741
Other	159
Total MSW in Tons	4,169,086

¹⁰ Table 20 summarizes data from the seventeen SWPUs representing 113 Virginia localities required to report in 2014. This table shows only PRMs in tons and Total MSW Disposed in tons. No credits are shown. The annual recycling report for calendar year 2014 will be issued later this year.

Figure 1 – Total Solid Waste Received from 2008 through 2014

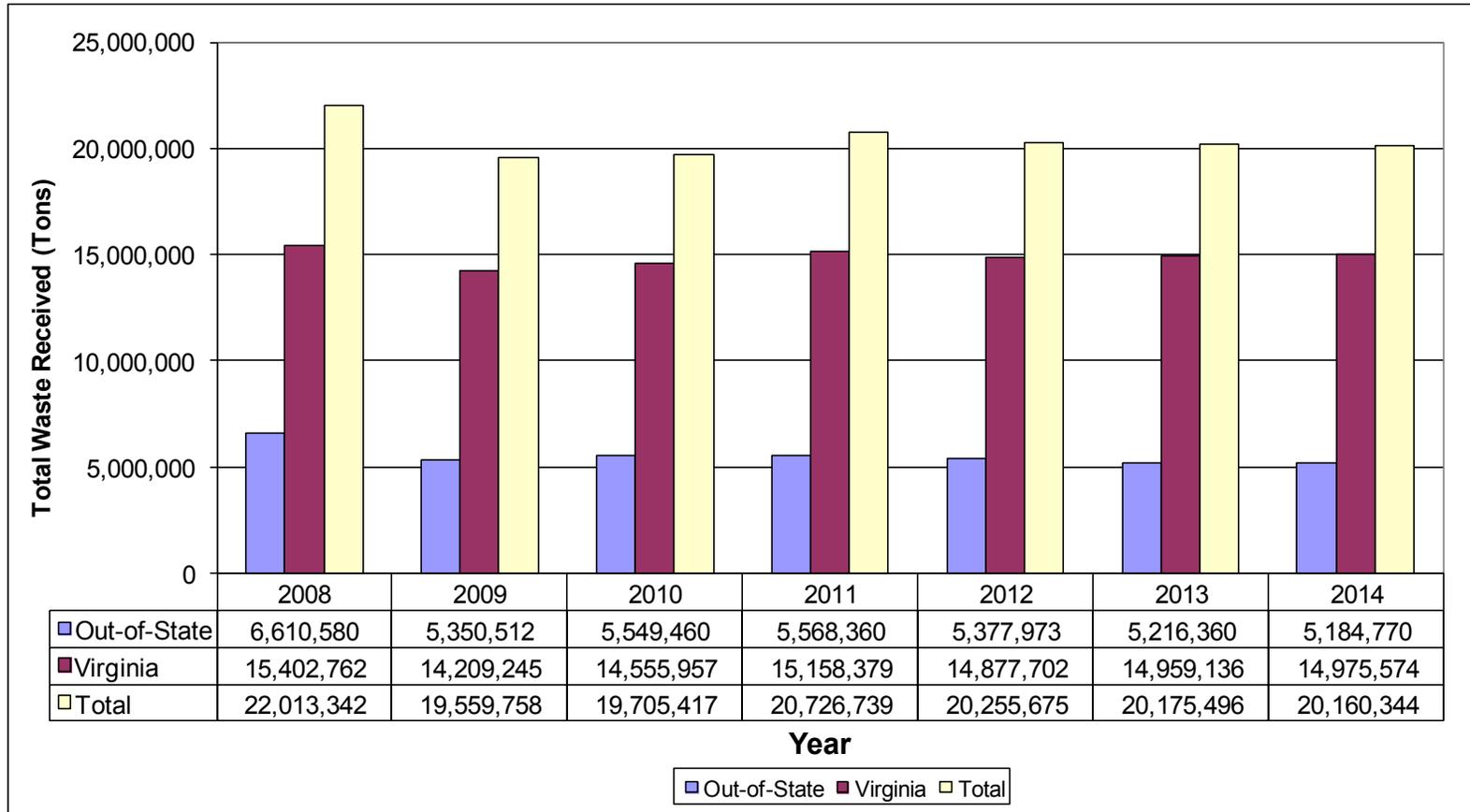
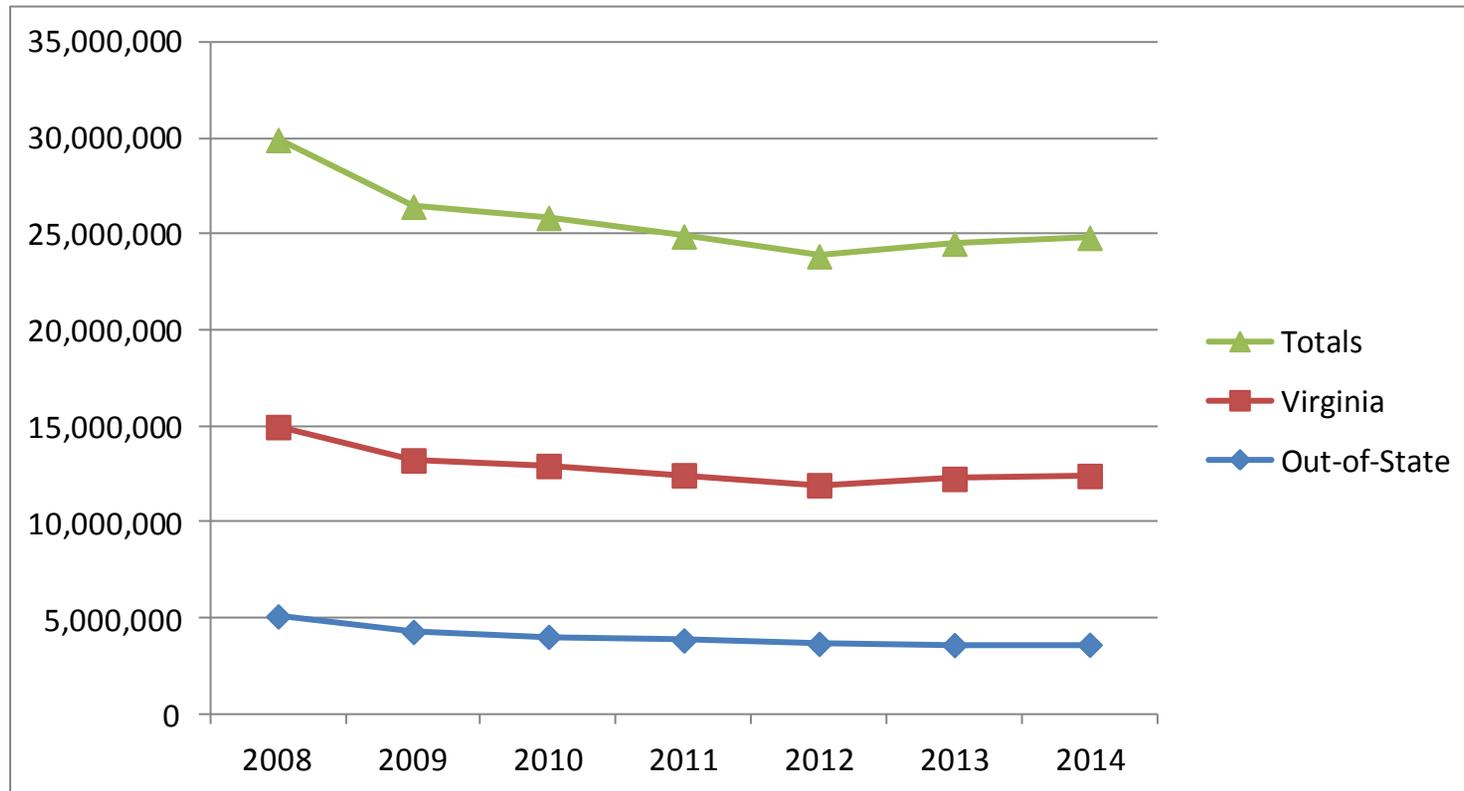


Figure 2 – Municipal Solid Waste Received from 2008 through 2014



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			
8	Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Contact First Name		Last Name	Contact Phone
	Address			E-Mail
	City		State	Zip Code
9A and 9B Landfills only		9A	Remaining Permitted Capacity	Cubic Yards
				9B
				Expected Remaining Permitted Life
		Years		
10	Does facility use active scales? <input type="checkbox"/> Yes or <input type="checkbox"/> No		Landfills not using active scales - enter the total amount landfilled in cubic yards (sum of all jurisdictions)	
11	Originating Jurisdiction		11A Statement of Economic Benefits submitted? <input type="checkbox"/> Yes or <input type="checkbox"/> No	
12	Facilities landfilling VA incineration ash		Use the supplemental form to provide the facility from which ash was received and the amount.	

Waste amounts measured in : Tons or Cubic Yards

Waste Type	Total Amount of Waste Received (a)	Mined Materials (b)	On-site Management of Waste						Sent Off-site to be: (i)		Stored On-site (j)	
			Landfilled (c)	Recycled (d)	Composted (e)	Incinerated (f)	Mulched (g)	Other (h)	Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period
13	Municipal Solid Waste											
14	Construction/ Demolition/Debris											
15	Industrial Waste											
16	Regulated Medical Waste											
17	Vegetative/Yard Waste											
18	Incineration Ash											
19	Sludge											
20	Tires											
21	White Goods											
22	Friable Asbestos											
23	Petroleum Contaminated Soil											
24	Other Wastes (specify)											
25	Total											

Facility 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 11/3/2014

Attachment 2 – 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 2014 calendar year.

Washington County Solid Waste reported the following benefits to Washington County:

- Reduce waste stream and disposal to landfill - Dollar value \$5,000 per month, \$60,000 per year
- Value of disposal and recycling at no cost or reduced cost - Facilities county wide \$1,500,000 (14 collection sites and transfer station)
- Direct employment associated with the facility - 26 employees collections and hauling
- Other benefits resulting from the facility during the preceding calendar year – Reduce waste stream