

Appendix A

Citizen Advisory Committee

Technical Advisory Committee

Ad Hoc SWMP Working Group

Citizen Advisory Committee (CAC)

Ms. Carol Bollinger – Richmond

Mr. Wesley Caudill – Hopewell

Ms. Dani DesRoches – Ashland

Mr. Vernon Duncan – Prince George

Ms. Eugenia Ellis – Richmond

Ms. Wanda Neal – Goochland

Mr. Robert Phelps – Petersburg

Ms Karen Props – Henrico

Mr. Henry Ragar, Jr. – Colonial Heights

Ms. Bonnie Ware – Charles City

Mr. Fran Pitaro – Chesterfield

Mr. Carson Tucker - Powhatan

Technical Advisory Committee (TAC)

Mr. John Bragg – Charles City County
Mr. Mike Briddell – City of Petersburg
Mr. Steve Chidsey – County of Hanover
Mr. John T. Chupek, Jr. – City of Richmond
Ms. Carolyn L. Cios – County of Powhatan
Mr. Elliott Danburg – County of Powhatan
Mr. Charles Dane – County of Chesterfield
Mr. Michael A. Davis – Town of Ashland
Ms. Nancy Drumheller – County of Henrico
Mr. Phillip Elliott – City of Hopewell
Mr. John Fountain – City of Hopewell
Mr. Andrew Glenn – City of Richmond
Mr. W. Douglas Harvey – County of Goochland
Mr. Kurt Hildebrand – County of Powhatan
Mr. Tom Harris – Manchester Board & Paper
Mr. Howard Heltman – County of Chesterfield
Mr. Gilbert Lee – County of Prince George
Mr. Charles E. Loving, Sr. – City of Colonial Heights
Ms. Wanda McGee – SP Recycling
Mr. Michael McNalley – Fort Lee
Mr. Fran Pitaro – County of Chesterfield
Ms. Billie Raines – City of Richmond
Mr. William Riggleman – City of Petersburg
Ms. Florence Watt – Hanover County Service Board
Mr. Steven J. Yob, P.E. – County of Henrico

Ad Hoc SWMP Working Group

John H. Mitchell – CVWMA, Executive Director

Kimberly A. Hynes – CVWMA, Deputy Executive Director

Barry E. Matthews – CVWMA, Program Manager

Bernard B. Harris – CVWMA, Program Manager

Steve Chidsey – County of Hanover, Solid Waste Manager

Steven Yob – County of Henrico, Chief of Solid Waste

Charles E. Dane – County of Chesterfield, Assistant Director of External Services

Howard Heltman – County of Chesterfield, Solid Waste Manager

Milton Martin - Planner

Victor Liu – Crater PDC, Community Development Director

Christine Fix – Richmond Regional PDC, Associate Planner

Jackie Stewart - Richmond Regional PDC, Director of Planning and Information Systems

Appendix B

Population, Housing and Employment Projection Charts: 2020 - 2040

Table 8
Population: Projections 2020-2040

Locality	2010*	2020**	2025**	2030**	2035**	2040**
Charles City County	7,256	7,386	7,494	7,602	7,656	9,796
Chesterfield County***	316,236	353,505	374,528	392,811	407,837	422,463
Goochland County	21,717	33,754	24,467	26,180	27,677	30,256
Hanover County	99,863	107,716	113,198	118,679	123,230	167,041
Henrico County****	306,935	349,665	372,559	396,951	422,939	450,630
New Kent County	18,429	22,465	24,706	26,946	28,955	27,539
Powhatan County	28,046	28,752	32,019	32,567	34,210	43,277
Richmond City	204,214	230,720	236,585	242,451	246,525	231,404
Prince George County	35,725	38,379	39,598	40,816	41,728	42,460
Colonial Heights City	17,411	17,008	17,054	17,100	17,027	16,955
Hopewell City	22,591	23,302	23,430	23,557	23,519	23,482
Petersburg City	32,420	31,673	31,006	30,338	29,476	28,613
CVWMA Service Area	1,110,843	1,233,325	1,296,644	1,355,998	1,410,779	1,493,916

* U.S. Bureau of the Census

** Estimates from Weldon Cooper Center for Public Service

*** Population estimates provided by Chesterfield County

****Population estimates provided by Henrico County

Town of Ashland: Population is included in the population total for Hanover County.

Appendix C

Municipal Solid Waste Projections: 2020 - 2040

Table 9
Estimated MSW Tonnages by Component – 2020

Locality	2020 MSW (tons)	Paper & Paperboard		Glass	Metals (tons)	Plastics (tons)	Rubber & Leather		Food Scraps (tons)	Yard Waste (tons)	Other (tons)
		(tons)	(tons)				Textile (tons)	Wood (tons)			
Charles City County	6,039	1,564	266	550	791	562	374	912	797	223	
Chesterfield County	289,026	74,858	12,717	26,301	37,862	26,879	17,920	43,643	38,151	10,694	
Goochland County	18,604	4,818	819	1,693	2,437	1,730	1,153	2,809	2,456	688	
Hanover County	88,069	22,810	3,875	8,014	11,537	8,190	5,460	13,298	11,625	3,259	
Henrico County	285,886	74,045	12,579	26,016	37,451	26,587	17,725	43,169	37,737	10,578	
New Kent County	18,367	4,757	808	1,671	2,406	1,708	1,139	2,773	2,424	680	
Powhatan County	23,508	6,088	1,034	2,139	3,080	2,186	1,457	3,550	3,103	870	
Richmond City	188,637	48,857	8,300	17,166	24,711	17,543	11,695	28,484	24,900	6,980	
Prince George County	31,379	8,127	1,381	2,855	4,111	2,918	1,945	4,738	4,142	1,161	
Colonial Heights City	13,906	3,602	612	1,265	1,822	1,293	862	2,100	1,836	515	
Hopewell City	19,052	4,934	838	1,734	2,496	1,772	1,181	2,877	2,515	705	
Petersburg City	25,896	6,707	1,139	2,357	3,392	2,408	1,606	3,910	3,418	958	
CVWMA Service Area	1,008,367	261,167	44,368	91,761	132,096	93,778	62,519	152,263	133,104	37,310	

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: Facts and Figures about Materials, Waste and Recycling, United States Environmental Protection Agency, June 2015

Table 10
Estimated MSW Tonnages by Component - 2025

Locality	2025 MSW (tons)	Paper & Paperboard		Glass		Metals		Plastics		Rubber & Leather		Food Scraps		Yard Waste		Other	
		(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Charles City County	6,127	1,587	270	558	803	570	380	925	809	227							
Chesterfield County	306,214	79,309	13,473	27,865	40,114	28,478	18,985	46,238	40,420	11,330							
Goochland County	20,004	5,181	880	1,820	2,621	1,860	1,240	3,021	2,641	740							
Hanover County	92,551	23,971	4,072	8,422	12,124	8,607	5,738	13,975	12,217	3,424							
Henrico County	304,604	78,892	13,403	27,719	39,903	28,328	18,885	45,995	40,208	11,270							
New Kent County	20,200	5,232	889	1,838	2,646	1,879	1,252	3,050	2,666	747							
Powhatan County	26,179	6,780	1,152	2,382	3,429	2,435	1,623	3,953	3,456	969							
Richmond City	193,432	50,099	8,511	17,602	25,340	17,989	11,993	29,208	25,533	7,157							
Prince George County	32,375	8,385	1,425	2,946	4,241	3,011	2,007	4,889	4,274	1,198							
Colonial Heights City	13,943	3,611	614	1,269	1,827	1,297	864	2,105	1,841	516							
Hopewell City	19,156	4,961	843	1,743	2,509	1,782	1,188	2,893	2,529	709							
Petersburg City	25,351	6,566	1,115	2,307	3,321	2,358	1,572	3,828	3,346	938							
CVWMA Service Area	1,060,136	274,575	46,646	96,472	138,878	98,593	65,728	160,081	139,938	39,225							

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: Facts and Figures about Materials, Waste and Recycling, United States Environmental Protection Agency, June 2015

Table 11
Estimated MSW Tonnages by Component - 2030

Locality	2030 MSW (tons)	Paper & Paperboard		Glass	Metals	Plastics	Rubber & Leather Textile	Wood	Food Scraps	Yard Waste	Other
		(tons)	(tons)								
Charles City County	6,215	1,610	273	566	814	578	385	939	820	230	
Chesterfield County	321,162	83,181	14,131	29,226	42,072	29,868	19,912	48,496	42,393	11,883	
Goochland County	21,405	5,544	942	1,948	2,804	1,991	1,327	3,232	2,825	792	
Hanover County	97,032	25,131	4,269	8,830	12,711	9,024	6,016	14,652	12,808	3,590	
Henrico County	324,547	84,058	14,280	29,534	42,516	30,183	20,122	49,007	42,840	12,008	
New Kent County	22,031	5,706	969	2,005	2,886	2,049	1,366	3,327	2,908	815	
Powhatan County	26,627	6,896	1,172	2,423	3,488	2,476	1,651	4,021	3,515	985	
Richmond City	198,228	51,341	8,722	18,039	25,968	18,435	12,290	29,932	26,166	7,334	
Prince George County	33,371	8,643	1,468	3,037	4,372	3,104	2,069	5,039	4,405	1,235	
Colonial Heights City	13,981	3,621	615	1,272	1,832	1,300	867	2,111	1,845	517	
Hopewell City	19,260	4,988	847	1,753	2,523	1,791	1,194	2,908	2,542	713	
Petersburg City	24,804	6,424	1,091	2,257	3,249	2,307	1,538	3,745	3,274	918	
CVWMA Service Area	1,108,664	287,144	48,781	100,888	145,235	103,106	68,737	167,408	146,344	41,021	

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: Facts and Figures about Materials, Waste and Recycling, United States Environmental Protection Agency, June 2015

Table 12
Estimated MSW Tonnages by Component - 2035

Locality	2035 MSW (tons)	Paper & Paperboard		Glass (tons)	Metals (tons)	Plastics (tons)	Leather Textile (tons)	Wood (tons)	Food		Yard Waste (tons)	Other (tons)
		(tons)	(tons)						Scraps (tons)	(tons)		
Charles City County	6,260	1,621	275	570	820	582	388	945	826	232		
Chesterfield County	333,448	86,363	14,672	30,344	43,682	31,011	20,674	50,351	44,015	12,338		
Goochland County	22,629	5,861	996	2,059	2,964	2,104	1,403	3,417	2,987	837		
Hanover County	100,753	26,095	4,433	9,169	13,199	9,370	6,247	15,214	13,299	3,728		
Henrico County	345,795	89,561	15,215	31,467	45,299	32,159	21,439	52,215	45,645	12,794		
New Kent County	23,674	6,131	1,042	2,154	3,101	2,202	1,468	3,575	3,125	876		
Powhatan County	27,970	7,244	1,231	2,545	3,664	2,601	1,734	4,223	3,692	1,035		
Richmond City	201,559	52,204	8,869	18,342	26,404	18,745	12,497	30,435	26,606	7,458		
Prince George County	34,117	8,836	1,501	3,105	4,469	3,173	2,115	5,152	4,503	1,262		
Colonial Heights City	13,921	3,606	613	1,267	1,824	1,295	863	2,102	1,838	515		
Hopewell City	19,229	4,980	846	1,750	2,519	1,788	1,192	2,904	2,538	711		
Petersburg City	24,100	6,242	1,060	2,193	3,157	2,241	1,494	3,639	3,181	892		
CVWMA Service Area	1,153,453	298,744	50,752	104,964	151,102	107,271	71,514	174,171	152,256	42,678		

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: Facts and Figures about Materials, Waste and Recycling, United States Environmental Protection Agency, June 2015

Table 13
Estimated MSW Tonnages by Component – 2040

Locality	2040 MSW (tons)	Paper & Paperboard			Rubber & Leather			Food		
		(tons)	Glass (tons)	Metals (tons)	Plastics (tons)	Textile (tons)	Wood (tons)	Scraps (tons)	Yard Waste (tons)	Other (tons)
Charles City County	8,009	2,074	352	729	1,049	745	497	1,209	1,057	296
Chesterfield County	345,406	89,460	15,198	31,432	45,248	32,123	21,415	52,156	45,594	12,780
Goochland County	24,737	6,407	1,088	2,251	3,241	2,301	1,534	3,735	3,265	915
Hanover County	136,573	35,372	6,009	12,428	17,891	12,701	8,468	20,622	18,028	5,053
Henrico County	368,435	95,425	16,211	33,528	48,265	34,264	22,843	55,634	48,633	13,632
New Kent County	22,516	5,832	991	2,049	2,950	2,094	1,396	3,400	2,972	833
Powhatan County	35,383	9,164	1,557	3,220	4,635	3,291	2,194	5,343	4,671	1,309
Richmond City	189,196	49,002	8,325	17,217	24,785	17,595	11,730	28,569	24,974	7,000
Prince George County	34,715	8,991	1,527	3,159	4,548	3,229	2,152	5,242	4,582	1,284
Colonial Heights City	13,862	3,590	610	1,261	1,816	1,289	859	2,093	1,830	513
Hopewell City	19,199	4,973	845	1,747	2,515	1,785	1,190	2,899	2,534	710
Petersburg City	23,394	6,059	1,029	2,129	3,065	2,176	1,450	3,532	3,088	866
CVWMA Service Area	1,221,426	316,349	53,743	111,150	160,007	113,593	75,728	184,435	161,228	45,193

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: Facts and Figures about Materials, Waste and Recycling, United States Environmental Protection Agency, June 2015

Appendix D

Listings of Active and Closed Solid Waste Facilities in CVWMA Region

Updated July 19, 2022

Permit ID	Facility Name	Operating Status	Permit Issued Date	Permit Type	City / County
Solid Waste Facilities					
PBR039	Virginia Recycling Corporation	Active	5/27/1994	Solid Waste Permit-by-Rule	New Kent County
PBR052	Aqua Clean Environmental of Virginia	Active	1/7/1994	Solid Waste Permit-by-Rule	Richmond City
PBR160	Richmond Transfer Station and Convenience Center	Active	2/11/2000	Solid Waste Permit-by-Rule	Richmond City
PBR175	DOC Powhatan Correctional Center	Active	9/19/2001	Solid Waste Permit-by-Rule	Powhatan County
PBR181	Watkins Nurseries Inc	Active	10/3/2002	Solid Waste Permit-by-Rule	Chesterfield County
PBR189	Hanover County - 301 Solid Waste Facility	Active	12/19/2002	Solid Waste Permit-by-Rule	Hanover County
PBR507	Port Tobacco at Weanack	Not Applicable	3/30/2004	Solid Waste Permit-by-Rule	Charles City County
PBR512	Hanover County - 301 Solid Waste Facility	Active	8/30/2004	Solid Waste Permit-by-Rule	Hanover County
PBR516	County Waste, LLC	Active	12/23/2004	Solid Waste Permit-by-Rule	New Kent County
PBR517	Stericycle Chesterfield RMW Transfer Station	Active	2/25/2005	Solid Waste Permit-by-Rule	Chesterfield County
PBR543	The Sustainability Park LLC	Inactive	6/18/2009	Solid Waste Permit-by-Rule	Chesterfield County
PBR546	S. B. Cox Recycling Center MRF	Active	6/12/2008	Solid Waste Permit-by-Rule	Henrico County
PBR552	Medical College of Virginia	Active	1/12/2009	Solid Waste Permit-by-Rule	Richmond City
PBR556	Green Zone Investments LLC	Active	8/14/2009	Solid Waste Permit-by-Rule	Charles City County
PBR571	County Waste MRF	Active	5/26/2011	Solid Waste Permit-by-Rule	Chesterfield County
PBR590	Tri City Regional Disposal and Recycling Services	Active	1/19/2012	Solid Waste Permit-by-Rule	Petersburg City
PBR591	Henrico County DPU Springfield Rd Waste Management	Active	5/7/2014	Solid Waste Permit-by-Rule	Henrico County
PBR599	623 Landfill	Active	2/27/2014	Solid Waste Permit-by-Rule	Goochland County
PBR606	Daniels Sharpsmart RMW Transfer Station	Active	2/4/2015	Solid Waste Permit-by-Rule	Henrico County
PBR617	Curtis Bay Medical Waste Services Virginia LLC	Active	7/27/2016	Solid Waste Permit-by-Rule	Petersburg City
PBR623	TFC Recycling - Chester Facility	Active	7/26/2017	Solid Waste Permit-by-Rule	Chesterfield County
PBR624	Agape Pet Services of Virginia LLC	Active	11/7/2017	Solid Waste Permit-by-Rule	Henrico County
PBR630	County Waste - Hanover	Active	6/4/2019	Solid Waste Permit-by-Rule	Hanover County
PBR631	BFI Old Dominion Landfill	Active	11/14/2018	Solid Waste Permit-by-Rule	Henrico County
SWP085	Chesterfield County - Chester Landfill	Post Closure	12/11/1972	Solid Waste Full Permit	Chesterfield County
SWP102	Charles City County Landfill	Post Closure	4/20/1973	Solid Waste Full Permit	Charles City County
SWP129	BFI Charles City Road Landfill	Not Applicable	9/28/1973	Solid Waste Full Permit	Henrico County
SWP179	Goochland County Sanitary Landfill	Post Closure	1/3/1975	Solid Waste Full Permit	Goochland County
SWP201	Hopewell City Landfill	Post Closure	4/29/1976	Solid Waste Full Permit	Hopewell City
SWP228	Tri City Regional Disposal and Recycling Services	Active	7/18/1977	Solid Waste Full Permit	Petersburg City
SWP270	Taylor Road Landfill	Active	7/6/1979	Solid Waste Full Permit	Chesterfield County
SWP288	US Federal Correctional Complex - Petersburg	Post Closure	12/21/1979	Solid Waste Full Permit	Prince George County
SWP314	Hanover County - 301 Solid Waste Facility	Post Closure	12/23/1980	Solid Waste Full Permit	Hanover County
SWP318	Chesterfield County - Northern Area Landfill	Post Closure	1/25/1981	Solid Waste Full Permit	Chesterfield County
SWP402	Chesterfield County - Southern Area Landfill	Not Applicable	2/18/1983	Solid Waste Full Permit	Chesterfield County
SWP506	623 Landfill	Active	3/20/1987	Solid Waste Full Permit	Goochland County
SWP523	JSJR Property LLC	Not Applicable	7/26/1988	Solid Waste Full Permit	Henrico County
SWP524	The East End Landfill	Active	7/26/1988	Solid Waste Full Permit	Henrico County
SWP531	Charles City County Landfill	Active	9/18/1989	Solid Waste Full Permit	Charles City County
SWP545	Henrico County DPU Springfield Rd Waste Management	Post Closure	12/15/1992	Solid Waste Full Permit	Henrico County
SWP553	BFI Old Dominion Landfill	Active	4/22/1993	Solid Waste Full Permit	Henrico County
SWP573	819 Virginia LLC	Active	5/5/1995	Solid Waste Full Permit	Hanover County
SWP574	Ashcake Road Landfill, Inc.	Active	9/15/1994	Solid Waste Full Permit	Hanover County
SWP587	Shoosmith Sanitary Landfill	Active	12/6/1995	Solid Waste Full Permit	Chesterfield County
SWP604	Skinquarter Land CDD Landfill	Active	8/25/2010	Solid Waste Full Permit	Chesterfield County
SWP609	Dominion Energy - Chesterfield Power Station	Active	6/29/2016	Solid Waste Full Permit	Chesterfield County
Closed Facilities					
PBR009	623 Landfill	Clean Closed	12/18/1992	Solid Waste Permit-by-Rule	Goochland County
PBR014	Shoosmith Sanitary Landfill	Clean Closed	9/18/1991	Solid Waste Permit-by-Rule	Chesterfield County
PBR023	Goochland County of Transfer Station	Clean Closed	1/7/1994	Solid Waste Permit-by-Rule	Goochland County
PBR035	Fareva Richmond Incorporated	Clean Closed	6/27/1995	Solid Waste Permit-by-Rule	Henrico County
PBR038	TPS Technologies Incorporated	Clean Closed	5/21/1991	Solid Waste Permit-by-Rule	Chesterfield County
PBR046	Purgo Incorporated	Closed	2/6/1991	Solid Waste Permit-by-Rule	Hanover County
PBR054	Chemtech of Richmond Incorporated	Clean Closed	3/9/1994	Solid Waste Permit-by-Rule	Richmond City
PBR073	Collier Rail Yard Transfer Station	Clean Closed		Solid Waste Permit-by-Rule	Petersburg City
PBR079	Safety Kleen Systems Incorporated - Chester	Closed	6/19/1995	Solid Waste Permit-by-Rule	Chesterfield County
PBR082	Chesterfield County - Northern Area Landfill	Clean Closed	3/24/1995	Solid Waste Permit-by-Rule	Chesterfield County
PBR083	Chesterfield County - Southern Area Landfill	Clean Closed	3/24/1995	Solid Waste Permit-by-Rule	Chesterfield County
PBR113	Stericycle Chesterfield RMW Transfer Station	Clean Closed	4/11/1997	Solid Waste Permit-by-Rule	Chesterfield County
PBR131	Duquesne Energy Incorporated	Clean Closed	6/30/1998	Solid Waste Permit-by-Rule	Hopewell City
PBR142	Tire Recyclers Incorporated	Clean Closed	12/7/1998	Solid Waste Permit-by-Rule	Charles City County
PBR150	Spruance Genco LLC	Clean Closed	3/12/1999	Solid Waste Permit-by-Rule	Richmond City
PBR174	Medical College of Virginia	Closed	6/29/2001	Solid Waste Permit-by-Rule	Richmond City
PBR177	AERC com Incorporated	Closed	10/12/2001	Solid Waste Permit-by-Rule	Hanover County
PBR187	Stericycle Chesterfield RMW Transfer Station	Clean Closed	10/31/2002	Solid Waste Permit-by-Rule	Chesterfield County
PBR231	DOC Central Virginia Correctional Center for Women	Closed	1/1/1996	Solid Waste Permit-by-Rule	Chesterfield County
PBR266	DOC Powhatan Correctional Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Powhatan County

PBR267	Virginia Correctional Center for Women	Closed	1/1/1996	Solid Waste Permit-by-Rule	Goochland County
PBR268	Powhatan Reception and Classification Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Goochland County
PBR269	Deep Meadow Correctional Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Powhatan County
PBR270	DOC Powhatan Correctional Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Powhatan County
PBR271	James River Correction Center	Clean Closed	1/1/1996	Solid Waste Permit-by-Rule	Goochland County
PBR276	Hanover Health District	Closed	1/1/1996	Solid Waste Permit-by-Rule	Hanover County
PBR283	John Randolph Medical Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Hopewell City
PBR307	DOC New Kent Correctional Unit 16	Closed	1/1/1996	Solid Waste Permit-by-Rule	New Kent County
PBR337	DMHMRSAS Central State Hospital	Closed	1/1/1996	Solid Waste Permit-by-Rule	Petersburg City
PBR338	DMHMRSAS H W Davis Medical Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Petersburg City
PBR339	DBHDS - Southside Virginia Training Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Petersburg City
PBR354	Woody Funeral Home Laburnum Chapel	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR355	Retreat Hospital	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR356	Spainhour Stephen E	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR357	Saint Marys Hospital	Closed	1/1/1996	Solid Waste Permit-by-Rule	Henrico County
PBR358	Woody Funeral Home Incorporated	Closed	1/1/1996	Solid Waste Permit-by-Rule	Henrico County
PBR359	Virginia Blood Services	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR360	Richmond Community Hospital	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR361	DOC Virginia State Penitentiary	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR362	McMunn Michael O	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR363	Richmond Health and Safety Building	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR364	DGS Richmond City	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR365	Richmond Childrens Hospital	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR366	CJW Medical Center - Chippenham Campus	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR367	DMHMRSAS VA Treatment Center	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR368	Malone Douglas R	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR369	Henrico Doctors Hospital - Forest Campus	Closed	1/1/1996	Solid Waste Permit-by-Rule	Henrico County
PBR370	Huband Jr Albert L Ltd	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR371	CJW Medical Center - Johnston Willis Campus	Closed	1/1/1996	Solid Waste Permit-by-Rule	Chesterfield County
PBR372	Levin Jeffery	Closed	1/1/1996	Solid Waste Permit-by-Rule	Richmond City
PBR523	Advanced Technologies Incorporated	Clean Closed	11/8/2005	Solid Waste Permit-by-Rule	Henrico County
PBR532	The Sustainability Park LLC	Closed	5/4/2007	Solid Waste Permit-by-Rule	Chesterfield County
PBR614	Sharps Compliance Inc	Closed	10/26/2015	Solid Waste Permit-by-Rule	Henrico County
SWP006	JH Smith Landfill	Closed	6/21/1971	Solid Waste Full Permit	Prince George County
SWP016	Petersburg City Landfill - Johnson Road	Closed	8/10/1971	Solid Waste Full Permit	Petersburg City
SWP036	Goochland County Sanitary Landfill	Closed	12/29/1971	Solid Waste Full Permit	Goochland County
SWP058	American Tobacco - Chesterfield	Clean Closed	5/1/1972	Solid Waste Full Permit	Chesterfield County
SWP068	American Tobacco - Chesterfield	Closed	8/2/1972	Solid Waste Full Permit	Chesterfield County
SWP077	New Kent County of Landfill	Closed	10/11/1972	Solid Waste Full Permit	New Kent County
SWP079	DuPont Specialty Products USA LLC - Spruance Plant	Closed	10/20/1972	Solid Waste Full Permit	Chesterfield County
SWP094	Powhatan County of Landfill	Closed	3/22/1973	Solid Waste Full Permit	Powhatan County
SWP121	DuPont Specialty Products USA LLC - Spruance Plant	Closed	8/29/1973	Solid Waste Full Permit	Chesterfield County
SWP135	Henrico County DPU Springfield Rd Waste Management	Closed	11/14/1973	Solid Waste Full Permit	Henrico County
SWP136	Nine Mile Road Landfill	Closed	11/14/1973	Solid Waste Full Permit	Henrico County
SWP137	Petersburg City Landfill - Fleet Street	Closed	11/19/1973	Solid Waste Full Permit	Petersburg City
SWP140	Aleris Rolled Products Incorporated	Closed	12/3/1973	Solid Waste Full Permit	Chesterfield County
SWP144	Mechanicsville Landfill	Closed	1/10/1974	Solid Waste Full Permit	Hanover County
SWP145	Elmont Landfill	Closed	1/10/1974	Solid Waste Full Permit	Hanover County
SWP146	Montpelier Landfill	Closed	1/10/1974	Solid Waste Full Permit	Hanover County
SWP150	Chesterfield County - Fort Darling Landfill	Closed	3/19/1974	Solid Waste Full Permit	Chesterfield County
SWP156	Hercules Aqualon Landfill	Closed	3/29/1974	Solid Waste Full Permit	Hopewell City
SWP158	Prince George County Sanitary Landfill	Closed	5/13/1974	Solid Waste Full Permit	Prince George County
SWP166	Petersburg City Landfill - Puddledock Road	Closed	7/15/1974	Solid Waste Full Permit	Petersburg City
SWP173	Willie Cosby CDD Landfill	Closed	8/19/1974	Solid Waste Full Permit	Henrico County
SWP186	Continental Can Landfill	Closed	5/23/1975	Solid Waste Full Permit	Hopewell City
SWP188	M and M Wrecking Company Inc Sanitary Landfill	Closed	7/3/1975	Solid Waste Full Permit	Henrico County
SWP191	Chesterfield Paper Site	Closed	10/20/1975	Solid Waste Full Permit	Chesterfield County
SWP192	Hopewell Water Renewal	Closed	10/30/1975	Solid Waste Full Permit	Hopewell City
SWP211	Shoosmith Sanitary Landfill	Closed	9/29/1976	Solid Waste Full Permit	Chesterfield County
SWP225	DuPont Specialty Products USA LLC - Spruance Plant	Closed	6/21/1977	Solid Waste Full Permit	Chesterfield County
SWP231	Hopewell Water Renewal	Closed	8/10/1977	Solid Waste Full Permit	Hopewell City
SWP235	S B Cox Charles City Road CDD Landfill	Closed	10/17/1977	Solid Waste Full Permit	Henrico County
SWP237	US Army Garrison and Fort Lee	Closed	12/15/1977	Solid Waste Full Permit	Prince George County
SWP239	US Army Garrison and Fort Lee	Closed	1/5/1978	Solid Waste Full Permit	Prince George County
SWP241	AdvanSix Resins & Chemicals LLC	Closed	2/6/1978	Solid Waste Full Permit	Hopewell City
SWP244	Georgetown Landfill	Closed	3/16/1978	Solid Waste Full Permit	Hanover County
SWP252	State Fair Grounds Sanitary Landfill	Closed	8/15/1978	Solid Waste Full Permit	Henrico County
SWP264	Petersburg City Sewage Treatment Plant Landfill	Closed	3/9/1979	Solid Waste Full Permit	Petersburg City
SWP271	Hopewell Water Renewal	Closed	7/6/1979	Solid Waste Full Permit	Hopewell City
SWP290	Richmond City of East Richmond Road Sanitary Lan	Closed	7/16/1982	Solid Waste Full Permit	Richmond City

SWP296	DuPont Specialty Products USA LLC - Spruance Plant	Closed	4/25/1980	Solid Waste Full Permit	Chesterfield County
SWP302	Chesterfield County - Northern Area Landfill	Closed	6/10/1980	Solid Waste Full Permit	Chesterfield County
SWP359	Willoughby Tree Service	Closed	6/18/1982	Solid Waste Full Permit	Chesterfield County
SWP365	Kings Dominion	Closed	7/28/1982	Solid Waste Full Permit	Hanover County
SWP377	Shoosmith CDD Landfill	Closed	10/20/1982	Solid Waste Full Permit	Chesterfield County
SWP378	Matyiko Debris	Closed	5/25/1983	Solid Waste Full Permit	Chesterfield County
SWP379	Carr Debris Landfill	Closed	6/27/1983	Solid Waste Full Permit	Powhatan County
SWP430	Lawless Debris Landfill	Inactive - Other	4/12/1984	Solid Waste Full Permit	Chesterfield County
SWP454	Belcher Debris Landfill	Closed	1/9/1985	Solid Waste Full Permit	Chesterfield County
SWP477	Hercules Aqualon Landfill	Closed	7/17/1985	Solid Waste Full Permit	Hopewell City
SWP487	Richmond Transfer Station and Convenience Center	Clean Closed	11/1/1985	Solid Waste Full Permit	Richmond City
SWP489	Richmond City of School Street Transfer Station	Clean Closed	10/30/1985	Solid Waste Full Permit	Richmond City
SWP495	Virginia Recycling Corporation	Closed	6/24/1986	Solid Waste Full Permit	New Kent County
SWP496	Henrico County DPU Springfield Rd Waste Management	Closed	5/28/1986	Solid Waste Full Permit	Henrico County
SWP516	Qualla Road CDD Landfill	Closed	2/1/1988	Solid Waste Full Permit	Chesterfield County
SWP528	819 Virginia LLC	Closed	10/21/1988	Solid Waste Full Permit	Hanover County
SWP530	Leaf Composting Demonstration	Clean Closed	8/25/1989	Solid Waste Full Permit	Chesterfield County
PBR182	Quality Specialties Incorporated	Denied	N	Solid Waste Permit-by-Rule	Hopewell City
SWP497	Kenneth Martin	Denied	4/28/1986	Solid Waste Full Permit	Powhatan County
PBR027	The East End Landfill	Clean Closed	7/15/1993	Solid Waste Permit-by-Rule	Henrico County
SWP476	Shoosmith Sanitary Landfill	Closed	7/15/1985	Solid Waste Full Permit	Chesterfield County
SWP132	Chesterfield County - Bon Air Landfill	Closed	11/13/1973	Solid Waste Full Permit	Chesterfield County
SWP426	North Anna Corporation Fly Ash Landfill	Closed	1/27/1984	Solid Waste Full Permit	Hanover County
SWP449	CAG Partnership RDF Plant	Closed	11/26/1984	Solid Waste Full Permit	Henrico County
SWP453	US Army Garrison and Fort Lee	Closed	12/11/1984	Solid Waste Full Permit	Prince George County
SWP592	Aqua Clean Environmental of Virginia	Closed	3/20/1998	Solid Waste Full Permit	Richmond City

Emergency Facilities

EMG046	Charles City County Landfill	Revoked	9/23/2003	Solid Waste Emergency Permit	Charles City County
EMG049	Richmond Transfer Station and Convenience Center	Revoked	9/23/2003	Solid Waste Emergency Permit	Richmond City
EMG052	Iron Bridge Park Emergency Debris Site	Revoked	9/24/2003	Solid Waste Emergency Permit	Chesterfield County
EMG053	Chesterfield County DPR Dodd Park Point of Rocks	Revoked	9/24/2003	Solid Waste Emergency Permit	Chesterfield County
EMG061	VDOT - Pocahontas Area Headquarters	Revoked	9/30/2003	Solid Waste Emergency Permit	Chesterfield County
EMG062	VDOT Beach Area Hq	Revoked	9/30/2003	Solid Waste Emergency Permit	Chesterfield County
EMG063	VDOT - Mongolia Street Lot	Revoked	9/30/2003	Solid Waste Emergency Permit	Richmond City
EMG064	VDOT - Fighting Creek Park	Revoked	10/2/2003	Solid Waste Emergency Permit	Powhatan County
EMG400	VDOT Powhatan Area Hq	Revoked	10/1/2003	Solid Waste Emergency Permit	Powhatan County
EMG401	VDOT Bon Air Area Hq	Revoked	10/1/2003	Solid Waste Emergency Permit	Richmond City
EMG402	VDOT - Rte 60 and Rte 76 Interchange	Revoked	10/1/2003	Solid Waste Emergency Permit	Chesterfield County
EMG403	VDOT - Route 10 and 195 Interchange	Revoked	10/1/2003	Solid Waste Emergency Permit	Chesterfield County
EMG404	VDOT Bethia Area Hq	Revoked	10/1/2003	Solid Waste Emergency Permit	Chesterfield County
EMG405	VDOT Prince George Area Hq	Revoked	10/1/2003	Solid Waste Emergency Permit	Prince George County
EMG406	VDOT - Route 711 Storage Yard	Revoked	10/1/2003	Solid Waste Emergency Permit	Prince George County
EMG409	VDOT - Route 76 and Route 653 Storage Yard	Revoked	10/1/2003	Solid Waste Emergency Permit	Chesterfield County
EMG410	Ashland Town Shop	Revoked	10/9/2003	Solid Waste Emergency Permit	Hanover County
EMG411	5801 Roxbury Road	Revoked	10/10/2003	Solid Waste Emergency Permit	Charles City County
EMG412	Old Church Road Debris Site	Revoked	10/1/2003	Solid Waste Emergency Permit	New Kent County
EMG414	Shoosmith Sanitary Landfill	Revoked	10/17/2003	Solid Waste Emergency Permit	Chesterfield County
EMG415	Halifax Road Debris Site	Revoked	10/20/2003	Solid Waste Emergency Permit	Prince George County
EMG416	Charles City County Munford Road Debris Site	Revoked	10/20/2003	Solid Waste Emergency Permit	Charles City County
EMG417	Gaskins Road Park and Ride	Revoked	9/30/2003	Solid Waste Emergency Permit	Henrico County
EMG418	Henrico County Public Works	Revoked	9/30/2003	Solid Waste Emergency Permit	Henrico County
EMG419	Point Breeze Debris Site	Revoked	10/23/2003	Solid Waste Emergency Permit	Hanover County
EMG421	Stag Road Debris Site	Revoked	10/24/2003	Solid Waste Emergency Permit	New Kent County
EMG422	VDOT - Three Chopt Road Debris Site	Revoked	10/27/2003	Solid Waste Emergency Permit	Goochland County
EMG423	James River Correction Center	Revoked	10/27/2003	Solid Waste Emergency Permit	Goochland County
EMG424	Garland Construction Midlothian Turnpike	Revoked	10/27/2003	Solid Waste Emergency Permit	Chesterfield County
EMG425	Cinter Construction Farmers Rest Farm	Revoked	10/28/2003	Solid Waste Emergency Permit	Charles City County
EMG426	Old Bermuda Road Wood Resources Recovery	Revoked	10/29/2003	Solid Waste Emergency Permit	Chesterfield County
EMG427	River Road Wood Resources Recovery	Revoked	10/29/2003	Solid Waste Emergency Permit	Chesterfield County
EMG428	Cloverleaf Mall Wood Resources Recovery	Revoked	10/29/2003	Solid Waste Emergency Permit	Chesterfield County
EMG429	Otterdale Road Wood Resources Recovery	Revoked	10/29/2003	Solid Waste Emergency Permit	Chesterfield County
EMG431	9210 Courthouse Road	Revoked	11/3/2003	Solid Waste Emergency Permit	New Kent County
EMG433	Mapsico Road Debris Site	Revoked	11/5/2003	Solid Waste Emergency Permit	Charles City County
EMG435	Quaker Road Debris Site	Revoked	11/7/2003	Solid Waste Emergency Permit	Prince George County
EMG442	State Route 604 Debris Site	Revoked	3/25/2004	Solid Waste Emergency Permit	Prince George County
EMG445	Kinder Morgan Southeast Terminal 1	Revoked	4/28/2006	Solid Waste Emergency Permit	Richmond City
PBR577	VCU In-Vessel Composting Facility	Application Withdrawn	N	Solid Waste Permit-by-Rule	Richmond City
PBR593	CEPHAS Industries Material Recovery Facility	Application Withdrawn	N	Solid Waste Permit-by-Rule	Richmond City

Pending Permits

EMG470	Hanover County Totopotomoy WWTP	Pending		Solid Waste Emergency Permit	Hanover County
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PBR637	Sharps Compliance Inc	Pending		Solid Waste Permit-by-Rule	Henrico County
SWP619	Dominion Energy - Chesterfield Power Station	Pending	Active	Solid Waste Full Permit	Chesterfield County
	NEIE Medical Waste Services, LLC	Pending		Solid Waste Permit-by-Rule	Henrico County
	Clearfield MMG, Inc.	Pending		Solid Waste Permit-by-Rule	Petersburg City

Appendix E

SWMP Checklist

SOLID WASTE MANAGEMENT PLAN

MANDATORY ITEMS

<u>Mandatory Item</u>	Plan Section
1. Population information and projections for the 20 year planning period.	Pg 9, Appendix B
2. Urban concentrations, geographic conditions, economic growth and development, transportation conditions, and related factors economic data and growth patterns.	Pg 9, Section II
3. Estimates of projected solid waste generation from households, commercial institutions, industries and other sources, including the amounts reused recycled, recovered as resource, incinerated and landfilled. Special waste items: stumps, land-clearing debris and construction waste, motor vehicle tires, waste oil, batteries, sludges, mining waste, septage, agricultural waste and spill residues.	Pg 39, Appendix C, Table 6
4. A listing of existing and planned solid waste collection, storage, treatment, transportation, disposal and other management facilities, their projected capacities, expected life and systems for their use; markets for the reuse and recycling of materials.	Pg 24, Table 2, Table 3, Table 4
5. All milestones in the implementation of the solid waste management plan over the 20-year projections and the parties responsible for each milestone.	Pg 80
6. A description of programs for solid waste reduction, reuse, recycling, resource recovery, incineration, storage, treatment, disposal and litter control.	Section 4
7. A description of outreach programs for waste exchange, public education, and public participation.	Section 4
8. The procedures for and results of evaluating solid waste collection, including transfer stations.	Pg 59
9. The assessments of all current and predicted needs for solid waste management for a period of 20 years and a description of the action to be taken to meet those needs.	Section 6

10. An integrated solid waste management strategy and consideration of the waste hierarchy.	Section 7
11. A discussion of how the plan will be implemented.	Section 8
12. Objectives for solid waste management within the service area.	Section 3
13. Definition of incremental stages of progress towards the objectives and schedule for their implementation.	Section 8
14. Description of the funding and resources necessary, including consideration of fees dedicated to future facility development.	Section 8
15. Strategy for the provision of necessary funds and resources.	Pg 81ff
16. Strategy for public education and information on source reduction, reuse and recycling.	Section 6
17. Consideration of public and private sector partnerships and private sector participation in the Plan.	Pg 33, Pg 70ff Section 4
18. A description of how a minimum recycling rate of 25% of the municipal solid waste generated annually will be met or exceeded.	Pg 53ff, Section 5
19. A description of methodology for calculating the recycling rate.	Pg 53ff, Section 5
20. Documentation of all known solid waste disposal sites – closed, inactive, and active – within the service area.	Pg 33ff, Appendix D
21. Description of a methodology to monitor the amount of each type of solid waste generated within the service area and a designated reporting agent.	Pg 53ff
22. Documentation of public participation efforts or opportunities in Plan development.	Pg 6ff, Section 1
23. Copies of resolutions of plan approval.	Appendix G

Appendix F

Public Hearing Comments

October 17, 2003

Re: Citizen Participation – Public Input Session

An opportunity to provide input on issues to be considered during the preparation of the Solid Waste Management Plan (SWMP) was provided at the October 17, 2003 CVWMA Board of Directors Meeting. Notice of the opportunity was placed in the October 10 and October 12 Richmond Times Dispatch. Letters of invitation were sent to the CVWMA Citizen Advisory Committee. A press release announcing the event was distributed August 6 to area media as well as to area recycling and solid waste businesses.

Mr. Milton Martin gave a presentation at the October 17 Board Meeting briefly outlining the history of the regional SWMP, the process behind the new plan, a planning schedule and items to be included in the new plan.

A call was made during the board meeting for comments about concerns and issues to be considered in development of the plan.

No comments were received and no one attended the meeting to express their views on the plan.

February 20, 2004

Re: CVWMA SWMP Public Hearing

An opportunity to provide input on the Solid Waste Management Plan (SWMP) was provided at the February 20, 2004 CVWMA Board of Directors Meeting. Notice of the opportunity was placed in the February 13 and February 15 *Richmond Times Dispatch*.

No comments were received and no one attended the meeting to express their views on the plan.

The CVWMA Board of Directors approved Resolution 04-16 adopting and transmitting the Plan to the PDCs.

March 17, 2004

Re: Crater PDC SWMP Public Hearing

An opportunity to provide input on the Solid Waste Management Plan (SWMP) was provided at the March 17, 2004 Crater PDC Meeting. Notice of the opportunity was placed in the *Hopewell News* and the *Progress Index*.

No comments were received and no one attended the meeting to express their views on the plan.

The Crater PDC approved a Resolution adopting the Plan.

March 22, 2004

Re: RRPDC SWMP Public Hearing

An opportunity to provide input on the Solid Waste Management Plan (SWMP) was provided at a March 22, 2004 Richmond Regional PDC Public Hearing Meeting. Notice of the opportunity was placed in the *Richmond Times Dispatch* March 7, 2004 and March 14, 2004.

No comments were received and no one attended the meeting to express their views on the plan.

April 8, 2004

Re: RRPDC SWMP Approval

At the April 8, 2004 meeting the Richmond Regional PDC approved a Resolution adopting the Plan.

Appendix G

CVWMA Board of Directors Resolution of Plan Approval
Richmond Regional PDC Resolution of Plan Approval
Crater PDC Resolution of Plan Approval
Joyce Engineering letter of Technical Acceptance

RESOLUTION 04-16

A resolution adopting the Solid Waste Management Plan (SWMP) for the Central Virginia Solid Waste Planning Area and directing the transmittal of the SWMP to the Richmond Regional Planning District (RRPDC) and the Crater Planning District Commissions (CPDC) for review and consideration.

WHEREAS in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, The Virginia Department of Environmental Quality (DEQ) requires the submittal of the SWMP by July 1, 2004. The SWMP has been prepared in accordance with DEQ guidelines and all required information is included as requested by member jurisdictions and

WHEREAS, the Central Virginia Waste Management Authority resolves that the SWMP projects waste management and waste diversion needs of the region for a 20 year planning period and the SWMP should be transmitted to the RRPDC and the CPDC for review and consideration and recommends the formal adoption and submittal to the DEQ on or before July 1, 2004.

THEREFORE, BE IT RESOLVED, that this resolution shall be in full force and effect upon its passage.

Adopted this 20th of February 2004

ATTEST:



Kenneth L. Chandler
Chair



Planning District Commission



Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond
Executive Director
Paul E. Fisher

**RESOLUTION OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION
OF THE
CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN**

On motion of Mr. Malvern Butler, seconded by Mr. Michael Holmes, the Richmond Regional Planning District Commission unanimously adopted the following resolution:

WHEREAS, the Richmond Regional Planning District Commission and Crater Planning District Commission are designated as the entities responsible for the development of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and Crater Planning District Commission prepared the Central Virginia Solid Waste Management Plan (SWMP), as mandated by Virginia law, and

WHEREAS, recent regulations require the adopted plan be revisited, updated to meet new requirements governing solid waste management, and adopted by regional planning authorities, and

WHEREAS, the plan horizon must cover the next 20 years, or through the year 2024, and

WHEREAS, the Virginia Department of Environmental Quality (DEQ) requires updated plans be submitted by July 1, 2004, and

WHEREAS, the plan is used to coordinate solid waste activities among 13 local jurisdictions in central Virginia including the Town of Ashland, the cities of Richmond, Colonial Heights, Petersburg and Hopewell, and the counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George, and,

RRPDC – April 8, 2004

Page 1

WHEREAS, the Central Virginia Waste Management Authority assembled a technical team of local government staff and staff from the Richmond Regional and Crater Planning District Commissions to prepare the plan in accordance with § 9 VAC 20-130-10 et seq.; and

WHEREAS, Joyce Engineering provided peer review of the plan; and

WHEREAS, a draft plan was completed and made available for public review during the fall and winter of 2003; and

WHEREAS, on January 20, 2004, the Central Virginia Waste Management Authority held a final public comment period on the draft plan and adopted a resolution in support of the plan, and

WHEREAS, the Richmond Regional Planning District Commission has reviewed and considered the Central Virginia Solid Waste Management Plan.

NOW, THEREFORE BE IT RESOLVED, that the Richmond Regional Planning District Commission approves of the revised Central Virginia Solid Waste Management Plan.

This is to certify that the above resolution was unanimously adopted by the Richmond Regional Planning District Commission at its meeting held on April 8, 2004.

WITNESS:


Paul E. Fisher
Executive Director


Angela L. LaCombe
Chairman

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1904 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: (804) 732-8972 • E-MAIL: craterpd@cpd.state.va.us • WEBSITE: www.craterpd.state.va.us
Dennis K. Morris, Executive Director

RESOLUTION TO APPROVE THE SOLID WASTE MANAGEMENT PLAN FOR THE CENTRAL VIRGINIA SOLID WASTE PLANNING AREA

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991; and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland; and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling; and

WHEREAS, the Virginia Department of Environmental Quality (DEQ) requires the submittal of the Solid Waste Management Plan for the Central Virginia Solid Waste Planning Area by July 1, 2004. The Plan has been prepared in accordance with DEQ guidelines and all required information is included as requested by member jurisdictions; and

WHEREAS, the Crater Planning District Commission advertised and sponsored a public hearing on the proposed Solid Waste Management Plan in order to receive public input regarding the plan.

NOW, THEREFORE, BE IT RESOLVED that the Crater Planning District Commission, on this 17th day of March, 2004, hereby approves the Solid Waste Management Plan for the Central Virginia Solid Waste Planning Area for submittal to the Virginia Department of Environmental Quality before July 1, 2004.

3-17-04
Date

SB Humphrey
Chairman

3/17/04
Date

Dennis K. Morris
Executive Director

County of Chesterfield • City of Colonial Heights • County of Dinwiddie • City of Emporia • County of Greensville
City of Hopewell • City of Petersburg • County of Prince George • County of Surry • County of Sussex



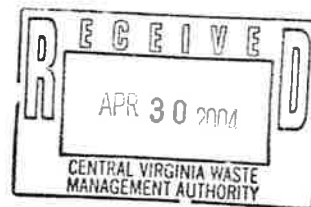
Waste Industry Experts

Joyce Engineering, Inc
1604 Ownby Lane
Richmond, VA 23220

tel: 804/355-4520
fax: 804/355-4282

www.JoyceEngineering.com

April 29, 2004



Mr. Bernard Harris
Program Manager
Central Virginia Waste Management Authority
2100 West Laburnum Avenue, Suite 105
Richmond, Virginia 23227

**RE: CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY
SOLID WASTE MANAGEMENT PLAN
JEI PROJECT NO. 659.00 TASK 01 SUBFOLDER 02**

Dear Bernie:

As discussed, we are writing this letter indicating our technical acceptance of the final Central Virginia Waste Management Authority Solid Waste Management Plan (SWMP). Based on our review and understanding of the Virginia Solid Waste Planning Regulations, Amendment 1, the final report appears to include the main components required by the regulations. Please call me at (804) 355-4520 if you have any questions or comments.

Sincerely,
JOYCE ENGINEERING, INC.

A handwritten signature in dark ink, appearing to read "Rebecca P. Ward".

Rebecca P. Ward, P.E.
Senior Project Engineer

Appendix H

List of Abbreviations

Abbreviations Used in the Plan Document

Abbreviation	
CAC	Citizen Advisory Committee
C/D/D	Construction, Demolition and Debris
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulations
CRT	Cathode Ray Tube
CPDC	Crater Planning District Commission
CVWMA	Central Virginia Waste Management Authority
CY	Calendar Year
DEQ	(Virginia) Department of Environmental Quality
DOT	Department of Transportation
EPA	(U.S.) Environmental Protection Agency
FY	Fiscal Year
HCFC	Hydrochlorofluorocarbon
HDPE	High Density Polyethylene
HHW	Household Hazardous Waste
HSWA	Hazardous and Solid Waste Amendments (to RCRA)
MRF	Materials Recovery Facility
MSW	Municipal Solid Waste
NAAQS	National Ambient Air Quality Standard
Ni-Cad	Nickle-Cadmium
OCC	Old Corrugated and Cardboard
ONP	Old News Print
PAYT	Pay-As-You-Throw
PBR	Permit by Rule
PCB	Polychlorinated Biphenyl
PDC	Planning District Commission
PET	Polyethylene Terephthalate
POTW	Public Owned Treatment of Wastewater
PRM	Principal Recyclable Material
RCRA	Resource Conservation and Recovery Act
RMW	Regulated Medical Waste
RRPDC	Richmond Regional Planning District
SIP	State Implementation Plan
SRM	Secondary Recyclable Material
SWMP	Solid Waste Management Plan
TAC	Technical Advisory Committee
VDES	Virginia Department of Emergency Services
VWMA	Virginia Waste Management Act
UL	Underwriters Laboratories

Appendix I

Press Release Announcing Planning Process
Waste Practices Survey to Localities
Newspaper Ad Soliciting Public Input
Letter to CAC Requesting Input
Request to Localities for Input on Current Systems
Request to Localities for Citizen Comments
SWMP Timetable
Newspaper Ad for Public Hearing
Input Request to CAC for Public Hearing

Copy of Press Release

Public Input Solicited for Regional Solid Waste Management Plan

The Central Virginia Waste Management Authority (CVWMA) is taking this opportunity to notify all interested parties about this project so that we may benefit from your input as we prepare the Plan. This is your opportunity to present preliminary information to CVWMA. Any and all contributions at this time will greatly assist in making sure that the document is complete, well planned and incorporates the public's opinions.

In the early 1990's, the CVWMA prepared a Solid Waste Management Plan (SWMP), which has been utilized to coordinate solid waste activities among its 13 local jurisdictions for the past eleven years. The Virginia Department of Environmental Quality (VDEQ) has requested all SWMPs in the Commonwealth of Virginia be prepared consistent with the new regulations governing Solid Waste Management. The central Virginia region must provide a plan for solid waste management for the next 20 years, or through the year 2024.

The new Plan is to be submitted to the VDEQ by July 1, 2004. CVWMA has assembled a team to prepare the submission of this Plan. A draft Plan is expected to be completed and available by December 1, 2003. This will allow for public review and a public hearing during the first half of 2004.

To help us with the process of updating this plan, we encourage you to:

- Review the January 1992, Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2100 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2104 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA. More information about the CVWMA is available at: www.cvwma.com.
- Review the Department of Environment Quality's Waste Management website at www.deq.state.va.us/waste/planning.html, for more information about the solid waste management planning regulations.
- Make comments concerning the Solid Waste Management Plan by telephoning Bernard Harris, at (804) 359-8413, extension 21; or in writing by sending a letter to: Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to: bharris@cvwma.com.
- Send comments no later than September 19, 2003. A public meeting regarding the Solid Waste Management Plan will be held on October 17, 2003 at 9:00 a.m. in the Richmond Regional Planning District Commission Conference Room at 2104 W. Laburnum Ave., Suite 101, Richmond, VA. 23227.

The CVWMA is a public service authority that assists local governments in coordinating recycling and waste management programs for thirteen local governments. Member jurisdictions include the Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Town of Ashland, and the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan and Prince George.

WASTE PRACTICES SURVEY FOR SOLID WASTE MANAGEMENT PLAN

1. Are there programmatic or operational issues with solid waste management activities in your locality that merit attention? If so, please describe. What, if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways to collect, store, transport, transport and/or dispose of?
2. Please describe any changes you anticipate to your current methods of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collections done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?
3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfills, private landfills, transfer stations, recycling facilities, etc – in your jurisdiction?
4. What expansion do you anticipate to existing solid waste management and recycling programs?

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

6. Are there additional issues or comments specific to your jurisdiction that you feel the CVWMA should consider in the development of the SWMP?

Person Completing this Survey: Name _____

Date _____

Title _____

Locality _____

Newspaper Ad for Public Input

Public Input Solicited for Regional Solid Waste Management Plan

The Central Virginia Waste Management Authority (CVWMA) is requesting that all interested parties provide input to the development of the regional Solid Waste Management Plan (SWMP), October 17, 2003 at 9:00 a.m. in the Richmond Regional Planning District Commission Conference Room at 2104 W. Laburnum Ave., Suite 101, Richmond, VA. 23227. The SWMP will define the integrated waste management objectives, strategies and implementation processes for the region over the next 20 years.

Prior to providing comments, citizens are encouraged to review the January 1992 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2104 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2104 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens are also encouraged to submit comments in writing to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to bharris@cvwma.com. These comments will become part of the permanent record and be considered in the development of the plan.

Ad placed in *Richmond Times Dispatch* October 10 and October 12

Input Request to CAC

October 31, 2003

«Sal» «First» «Last»
«Address»
«County» «Zip»

Dear «Sal» «Last»;

Enclosed is the presentation made at the October 17 Central Virginia Waste Management Authority (CVWMA) Board meeting on the process for generating the Solid Waste Management Plan (SWMP). This presentation provided an opportunity for the public to make comments on solid waste management in the CVWMA service area.

CVWMA staff and members of the Technical Advisory Committee (TAC) have been working on the SWMP for several months. An initial draft plan will be made available to interested parties by December 1, 2003. This allows time for adequate formal public hearing and review prior to the July 1, 2004, submittal deadline set by the Department of Environmental Quality.

By making everyone aware of the development of the plan, we have the benefit of citizens' comments and concerns as we go through this process. Having comments at this time will afford a greater opportunity for relevant issues to be identified and considered. It is important to the process that any particular concerns that citizens may have be addressed as part of the SWMP development process.

Please take a few minutes to review the presentation. Contact me in writing (2100 West Laburnum Ave., Suite 105; Richmond, VA. 23227), by phone (804.359.8413) or by e-mail (bharris@cvwma.com) to offer any comments or suggestions that you may have. Your input is critical to the development of a successful solid waste management plan that meets the needs of the CVWMA area.

Thank you for your attention to this.

Sincerely,

Bernard B. Harris
Program Manager

Enclosure
cc: John Mitchell, Executive Director

Current System Information Request To Localities

August 27, 2003

Dear:

The Central Virginia Waste Management Authority (CVWMA) is in the process of developing the Solid Waste Management Plan (SWMP) for the region as required by **9VAC 20-130-10 et seq.** This will be a very important document that will provide guidance for Solid Waste Management in the CVWMA region for the next twenty (20) years. The Department of Environmental Quality (DEQ) has stated that Solid Waste Facilities will not be permitted in the future unless they are included in the SWMP.

The CVWMA needs your assistance to help gather the information on current SWM systems and programs currently in place in your jurisdiction. This would include but not be limited to the following:

- ❖ Collection Services
 - MSW
 - Describe Options Available (Public/Private Collector-Public Contract/Private Collector/Green Box Transfer Station/Leaf & Bulky Collections...)
 - Residential (HHs Served)
 - Industry
 - Business
- ❖ Landfill & Transfer Stations being used
 - Fees
 - Recycling Programs/Materials
 - Use data (tonnages, traffic count...)
- ❖ Examples of privately sponsored recycling/Waste Reduction/Reuse Programs (such as Ukrops accepting paper bags and reusing and encouraging people to utilize reusable cloth bags)
 - Who
 - Materials involved

If you have questions or require any please feel free to call John Mitchell or me.

I have included copies of equivalent sections of the 1992 SWMP and of Loudoun County's 2004 SWMP to help provide some insight and direction.

Please try to have this information back to me by October 1.

Thanks;

Bernard B. Harris
Program Manager

Request to Localities for Citizen Comments on Solid Waste Management

October 17, 2003

Re: Citizen Comments about Solid Waste Management

Dear TAC Member:

One requirement of the process to update the Solid Waste Management Plan is to seek citizen participation, so that the thoughts and concerns of the public may be reflected in the planning process. While specific efforts are being made at this time to solicit input, any comments or concerns voiced over the life of the current plan would be valuable.

To assist with the compilation of citizen comments about solid waste management, it would be appreciated if you and your staff would submit a brief report to the CVWMA, attention Bernie Harris, relating to any citizen concerns or comments about solid waste management that you may have on file. If you have written communications from citizens in your files, copies would be beneficial.

If you or your staff have a recollection of concerns or issues identified by citizens but lack written backup, a brief note outlining the concern or issue would be helpful.

In either case, please convey any material or information relayed to you by citizens in your locality, so that they may be evaluated and considered during the preparation of the new Solid Waste Management Plan. If a response is not received from your locality by November 14, 2003 it will be assumed that there is no record or recollection of citizen expressed solid waste management concerns or issues in your locality.

Sincerely;

Bernard B. Harris
CVWMA Program Manager

**CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY
SOLID WASTE MANAGEMENT PLAN TIMETABLE**

1/23/03	MEETING WITH RRPDC AND CRATER PDC
2/07/03	TENTATIVE REVISED PLAN CONTENT COMPLETE
2/10/03	BRIEF CVWMA EXECUTIVE COMMITTEE
2/12/03	LETTER TO CHIEF ADMINISTRATIVE OFFICERS
2/21/03	REVIEW OF CURRENT PLAN COMPLETE
3/03/03	OUTLINE FOR REVISED PLAN REVIEWED WITH PDC'S
3/07/03	TAC MEETING RE SWMP PROCESS-OUTLINE/WORK PLAN
8/01/03	INPUT FROM TAC RE PLAN CONTENT AND PROCESS
9/19/03	SWMP SURVEY TO CVWMA FROM JURISDICTIONS
10/03/03	DATA COLLECTION AND ANALYSIS COMPLETE. BEGIN DRAFTING REVISED PLAN.
10/17/03	SOLICIT CITIZEN INPUT AT PUBLIC HEARING IN CONJUNCTION WITH CVWMA BOARD MEETING. INVITE CAC TO MEETING.
11/14/03	CVWMA STAFF REVIEW COMPLETE. DATA/CALCULATIONS RELEASED FOR ENGINEERING REVIEW.
12/11/03	DRAFT COMPLETE. SUBMITTED TO TAC/CAC AND GENERAL COUNSEL FOR REVIEW AND TO JOYCE ENGINEERING FOR PEER REVIEW.
1/09/04	INPUT FROM TAC/CAC AND INCORPORATE REVISIONS AS REQUIRED. RESULTS BACK FROM ENGINEERING PEER REVIEW.
1/20/04	GENERAL COUNSEL REVIEW COMPLETE
2/08/04	FINAL DRAFT COMPLETE
2/09/04	PRESENT TO EXECUTIVE COMMITTEE
2/20/04	PUBLIC HEARING/CVWMA BOARD APPROVAL
3/01/04	SWMP TO PDC'S FOR APPROVAL PROCESS
6/30/04	SUBMIT PLAN TO DEQ

Newspaper Ads for Public Hearing

Notice of Public Meeting and Public Comment

The Central Virginia Waste Management Authority (CVWMA) seeks written and oral comments from interested parties on the Regional Solid Waste Management Plan (SWMP). A Public Hearing for the Plan will be held February 20, 2004 at 9:00 a.m. in the Richmond Regional Planning District Commission Conference Room at 2104 W. Laburnum Ave., Suite 101, Richmond, VA. 23227. The SWMP, developed as required by Amendment 1, 9VAC 20-130-10 et seq., defines the integrated waste management objectives, strategies and implementation processes for the region over the next 20 years.

Prior to providing comments, citizens are encouraged to review a draft copy of the Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2104 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2100 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Street, Petersburg, VA.

Questions or information requests should be addressed to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227, telephone (804) 359-8413 X21, or e-mail to bharris@cvwma.com.

Ad placed in *Richmond Times Dispatch* February 13 and February 15, 2004

Notice of RRPDC Public Hearing

The Richmond Regional Planning District Commission (RRPDC) seeks written and oral comments on the Central Virginia Solid Waste Management Plan (SWMP). A Public Hearing for the SWMP will be held March 22, 2004 from 4:00 p.m. to 6:00 p.m. at the RRPDC, 2104 W. Laburnum Ave., Suite 101, Richmond, 804-367-6001. The SWMP, required by Amendment 1, 9VAC 20-130-10 et seq., defines waste management objectives, strategies and implementation processes for the region over the next 20 years. Localities within the RRPDC covered by this plan are the Town of Ashland, the counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent and Powhatan and the City of Richmond. Prior to providing comments, citizens are encouraged to review a draft copy of the plan. Copies are available at the RRPDC office and on the web at www.richmondregional.org.

Ad placed in *Richmond Times Dispatch* March 7 and March 14, 2004

Input Request to CAC for Public Hearing

February 13, 2004

«Sal» «First» «Last»
«Addres»
«County», «Zip»

Dear «Sal» «Last»,

The Central Virginia Waste Management Authority (CVWMA) is seeking input from citizens on the draft *Central Virginia Solid Waste Management Plan, 2004 - 2024*. As a member of the CVWMA Citizen Advisory Committee, we would like to invite you to participate in a public input session at our next Board of Directors meeting on February 20, 2004. This meeting will be held at 9:00 am in the conference room of the Richmond Regional Planning District Commission (PDC) at 2104 W Laburnum Ave, Suite 101.

This solid waste management plan has been developed by the staff of CVWMA, the Richmond Regional PDC, the Crater PDC and member localities. Citizens and interested groups are encouraged to review the draft plan before the final plan is submitted to the Virginia Department of Environmental Quality by June 30, 2004.

This will not be a question-and-answer session. Depending on the number of citizens interested in speaking, verbal comments may be limited and interested parties are encouraged to submit comments in writing to CVWMA.

Citizen contributions at this time will greatly assist in making sure that the document is complete, well planned and incorporates the public's opinions. We appreciate your input.

Sincerely,

John H. Mitchell
Executive Director

Appendix K

**Ad Hoc Working Group Meeting Agendas
Ad Hoc Working Group Meeting Notes**

**CVWMA SOLID WASTE MANAGEMENT PLAN
AUGUST 26, 2003 – 2:00 P.M.
MEETING AGENDA**

- REVIEW PLAN OUTLINE AND STATUS OF ASSIGNMENTS
 - CITIZEN PARTICIPATION PLAN AND ACTIVITIES
 - UPDATE ON PRESS RELEASE
 - WASTE PRACTICES SURVEY
 - OCT 17 PUBLIC HEARING
 - APPROVAL PROCESS
 - CVWMA HISTORY SECTION
 - SOLID WASTE DISPOSAL CAPACITY (WASTE GENERATION DATA – EPA 4.6 LBS/PERSON/DAY EST?)
 - STATUS UPDATE FROM PDC'S ON POPULATION DATA , GROWTH AND DEVELOPMENT PATTERNS AND RELATED FACTORS
 - RRPDC
 - CPDC
 - CURRENT SYSTEMS INFORMATION GATHERING
 - LOUDOUN COUNTY DEQ (9 VAC 20-130-10 ET SEQ.) CHECKLIST
- REVIEW SWMP SCHEDULE (RE STEVE YOB'S LETTER)
- DISCUSS ENGINEERING SCOPE OF SERVICES
- OTHER SWMP ISSUES
- SCHEDULE FOR NEXT MEETING

August 26 SWMP Meeting Summary

Attendees: John Mitchell, Kimberly Hynes, Barry Matthews, Charles Dane, Howard Heltman, Steve Yob, Steve Chidsey, Victor Liu, Christine Fix, Milton Martin, Bernard Harris

Decisions/Action Items:

- Engineering Review: Joyce Engineering will submit a quote to CVWMA within two weeks (CVWMA to follow-up on) for the following:
 - Peer Review for completeness, missing elements; overall document
 - Affirm reasonableness of disposal capacity numbers
 - Identify gross errors and raise questions
- A plan objective is to minimize specificity as much as possible while still meeting the regulatory requirements in order to maintain maximum flexibility
- The plan schedule will be revised (by CVWMA) to reflect releasing numerical information for engineering review November 14, a plan draft for Peer Review December 1 and the completion of the engineering review for the January 9 TAC meeting.
- A copy of the press release for the October 17 Public Meeting will be sent to Virginia Waste Industries (by CVWMA)
- Mr. Martin will prepare a 5 minute overview of the SWMP process to introduce the topic at the October 17 meeting
- Team members will review and provide feedback as appropriate to CVWMA on the following documents:
 - History of the CVWMA
 - Solid Waste Facilities in the CVWMA Region (active and closed)
 - Capacity/Disposal Rate for Virginia Landfills
 - CVWMA will add the 3 out of area landfills currently being used by CVWMA members to this listing
 - Coal Burning Facilities
- PDC's will provide charts and descriptive write-ups for population growth and demographic projections for the 20-year plan window. Charts will reflect yearly projections for the first 5 years and projections for years 10, 15 and 20.
- Industrial debris/ ash generation will be acknowledged as captive waste in the plan
- National EPA waste generation data will be used in the plan as a basis for determining waste projection data
- Septage/Sludge that is land applied is not MSW so it's disposal does not have to be recognized in the plan
- Information gathered about the systems currently in place will be performed for Henrico County by Steve Yob, Hanover County by Steve Chidsey and Chesterfield County by Charles Dane. CVWMA will contact representatives of the other localities to collect information from them.
- CVWMA will ask Dan Gwinner for clarification on the level of detail and specificity they require for MSW disposal projections beyond contract terms.
- The next meeting of the SWMP team is scheduled for 9 am September 26.

If there are any questions about any of these items please do not hesitate to give me a call.

Bernie



**CVWMA TAC & SOLID WASTE MANAGEMENT PLAN
OCTOBER 3, 2003 – 10:00 A.M.
MEETING AGENDA**

- ◆ HURRICANE ISABEL IMPACT ON CVWMA PROGRAMS
- ◆ CONTRACT RENEWALS
 - US FILTER (OIL/ANTIFREEZE)
 - Expires June 30 2004
 - Renewal options: 1 five year or 5 one year periods
 - SAFETY-KLEEN (OIL FILTERS/PAINTS)
 - Expires June 30 2004
 - Renewal options: 1 five year or 5 one year periods
 - VIRGINIA RECYCLING CORP (TIRES)
 - Expires June 30 2004
 - Renewal options: 1 five year or 5 one year periods
 - GRIND-ALL (YARD WASTE)
 - Expires December 31 2003
 - Renewal option 1 five year period
 - Letter from Bill Stinson
- ◆ SOLID WASTE MANAGEMENT PLAN
 - ACTION ITEMS FROM AUGUST 26 MEETING
 - JOYCE ENGINEERING QUOTE FOR PLAN ENGINEERING REVIEW
 - REVISED PLAN SCHEDULE TO REFLECT ENGINEERING REVIEW
 - INFORMATION GATHERING
 - CURRENT SYSTEMS – LOCALITIES INPUT
 - WASTE PRACTICES SURVEY
 - CLARIFICATION FROM DEQ (GWINNER) ON MSW DISPOSAL SPECIFICITY
 - POPULATION DATA PROJECTIONS, GROWTH AND DEVELOPMENT PATTERNS AND RELATED FACTORS
 - RRPDC
 - CPDC
 - LANDFILL CAPACITIES AND MSW ESTIMATES
 - MR. MARTIN'S MEMO
 - CITIZEN PARTICIPATION PLAN AND ACTIVITIES
 - OCT 17 PUBLIC MEETING
 - PLAN GOALS AND OBJECTIVES
 - OTHER SWMP ISSUES
 - ELECTRONIC COPY OF OLD PLAN AVAILABLE
 - SCHEDULE FOR NEXT SWMP MEETING
- ◆ OTHER ITEMS

OCTOBER 3, 2003 SOLID WASTE MANAGEMENT PLAN MEETING SUMMARY SUMMARY

Attendees: John Mitchell, Barry Matthews, Howard Heltman, Steve Yob, Steve Chidsey, Victor Liu, Christine Fix, Milton Martin, Jackie Stewart, John Chupek, John Fountain, Bernard Harris

- The team reviewed the Joyce quote:
 - The \$6,500 quote was deemed reasonable
 - The 4 large jurisdictions (Chesterfield, Hanover, Henrico & Richmond) will cover the expected difference from the amount allocated (\$5,000) with \$500 each.
 - CVWMA should try to get clarification of the definition of “glaring” errors from Joyce
 - The scope of the quote does not include a Joyce detailed review of waste generation calculations as it would probably be too costly to do so
- Per the plan schedule, the information-gathering phase should currently be done and the writing phase should be starting. We are a little behind due to Isabel
 - 8 of the 13 localities have returned the Waste Practices Survey (due Sept 19)
 - 2 have responded to the request for a ‘current system’ description (due Oct 1)
- The PDCs reviewed the 20 year population, employment and housing projections that were developed and submitted descriptive and tabular information for the plan write-up
 - The PDCs will revise the projections to include data for year 2025
- Landfill capacity and MSW generation figures were discussed and it was decided that:
 - EPA data for total and individual categories of MSW generation will be utilized (4.51 lbs per day per person)
 - DEQ landfill capacity data will be utilized
- October 17 Board Meeting – Citizen Input
 - The Public Participation aspect will be advertised in next weekend’s in Times Dispatch (Friday/Sunday)
 - Mr. Martin presented an outline of his proposed introduction of the topic which will include:
 - Review plan history, Why we are required to submit a plan, Schedule, Philosophy, Plan contents and Purpose of Citizen Input session
- The Plan goals and Objectives section was distributed and team members were asked to review and provide feedback on any changes / additions / deletions
- The previous plan is now available in electronic form (Word format) thanks to Kelley taking the time to scan it in
- The next meeting is scheduled for 9 AM Tuesday October 28 and will again be combined with the TAC meeting

**SOLID WASTE MANAGEMENT PLAN MEETING
OCTOBER 28, 2003 – 9:00 A.M.
MEETING AGENDA**

- ◆ ACTION ITEMS FROM OCTOBER 3 MEETING
 - JOYCE ENGINEERING QUOTE
 - INFORMATION GATHERING – LOCALITIES INPUT
 - CURRENT SYSTEMS
 - WASTE PRACTICES SURVEY
 - POPULATION DATA PROJECTIONS THROUGH 2025
 - FEEDBACK FROM TEAM MEMBERS ON PLAN GOALS AND OBJECTIVES SECTION
- ◆ CITIZEN / BUSINESS / INDUSTRY INPUT
 - OCT 17 PUBLIC MEETING
- ◆ MAPS
- ◆ OTHER ITEMS
- ◆ SCHEDULE FOR NEXT SWMP MEETING

Solid Waste Management Plan Meeting Summary

October 28, 2003

Both Joyce and CVWMA have signed the contract for Engineering Peer Review by Joyce Engineering. The four localities (Chesterfield, Henrico, Hanover and Richmond) reconfirmed their intention to supplement the CVWMA Board approved funds to cover the difference between the Joyce quote and the approved amount of \$5,000.

The information gathering process is reaching a critical point where it will start to impact on the writing schedule. Five of the 13 localities have not yet returned the Waste Practices Survey and eight have not returned the information requested describing the current system. Reminder letters were sent to those localities last week. This information is necessary for the Current System description section of the SWMP.

The population/housing/employment projections have been updated through 2025 by the PDCs. The PDCs are now working on the descriptive passages to go with the tabular data. This should be forwarded to Mr. Harris prior to the next meeting for distribution to the team members.

The plan goals section was discussed and it was decided that Mr. Martin would update this section as appropriate. A generic statement about technological changes will be included. Team members will submit any recommendations for changes/additions to Mr. Martin. This section will be forwarded to team members for review when updated (prior to the next meeting)

The subject of plan input and the recent board meeting was discussed. It was suggested at the recent Board meeting that input be solicited from a specific group, the Chamber of Commerce. The SWMP team agreed that this approach could lead to a perceived bias. If one sector is solicited for input all others should be also and it would be almost impossible to not omit some key factor. The team decided that the current approach, advertising the opportunities for public input, is a fair and balanced approach that is effective.

Mr. Martin and Mr. Harris will draft a letter to the CVWMA Citizens Advisory Committee (CAC) announcing the anticipated availability of the draft of the plan December 1, 2003. It will be suggested to the CAC members that they should make anyone that they feel is an interested party aware of the draft.

Maps to be included with the plan will be as follows:

- Map 1 – CVWMA service area. Updated from the original plan to show new roads etc.
- Map 2 – General Urban Development Patterns. Existing and ending (2024) medium/ high density residential areas based on PDC projections.
- Map 3 – Existing Regional Solid Waste Management System. Update from original plan map to remove closed facilities and to add new sites such as convenience centers.
- Map 3A – Extended regional map to show facilities outside the region currently being utilized to include: King & Queen Landfill, King George Landfill, Maplewood Facility (Amelia), Middle Peninsula Landfill (Gloucester), Atlantic Waste Landfill (Sussex)
- Map 4 – Preferred Regional Solid Waste Management System. Projected system to reflect types of residential areas. Possible future elements to be included.

It was suggested that maps 3 and 4 would be less cluttered and easier to read if they were each replaced by two maps, one indicating waste collection and disposal facilities and another indicating recycling collection and processing facilities.

Mr. Martin and Mr. Harris will follow-up with the PDCs on map generation. The next meeting has been targeted as a completion date for preliminary versions of some if not all maps.

The next meeting has been scheduled for Tuesday, November 25 at 9 a.m.

**TAC / SOLID WASTE MANAGEMENT PLAN MEETING
NOVEMBER 25, 2003 – 9:00 A.M.
MEETING AGENDA**

- ◆ ACTION ITEMS FROM OCTOBER 28 SWMP MEETING
 - LETTER TO CAC REQUESTING PLAN INPUT
 - JOYCE MEETING UPDATE
 - INFORMATION GATHERING – SOME LOCALITIES INPUT STILL MISSING
 - CURRENT SYSTEMS
 - WASTE PRACTICES SURVEY
 - MAPS FOR SWMP
 - MEETING WITH PDC TO DEFINE MAPS
 - 1. SERVICE AREA MAP SHOWING MEMBER JURISDICTIONS
 - 2. SERVICE AREA WITH POPULATION DENSITIES
 - 3. SERVICE AREA WITH WASTE COLLECTION FACILITIES (LANDFILLS, TRANSFER STATIONS, CONVENIENCE CENTERS)
 - 4. SERVICE AREA EXPANDED TO SHOW LOCATION OF KING GEORGE, MAPLEWOOD (AMELIA), AND ATLANTIC WASTE (SUSSEX) LANDFILLS
 - 5. SERVICE AREA WITH RECYCLING SITES (CURBSIDE AREAS, DROP-OFF SITES, CWWMA RECYCLING VENDORS)
 - 6. MAP 3 WITH 2025 URBANIZED AREAS SHOWN
- ◆ REVISED SCHEDULE (REFLECT EARLY DECEMBER DRAFT RATHER THAN DECEMBER 1)
- ◆ FEEDBACK FROM TEAM MEMBERS ON DRAFT SECTIONS – SUGGESTED CHANGES TO SECTIONS E-MAILED TO TEAM MEMBERS LAST WEEK
- ◆ OTHER ITEMS?
- ◆ SCHEDULE FOR NEXT SWMP MEETING

November 25, 2003 Solid Waste Management Plan (SWMP) Meeting Summary

Follow-up on items from the October 28, 2003 meeting included the following items:

- A letter requesting input has been sent to Citizen's Advisory Committee (CAC) members along with a copy of the presentation that Mr. Martin made at the October Board of Directors meeting.
- Mr. Martin and Mr. Harris met with Mr. Ray McGowan and Ms. Rebecca Ward of Joyce Engineering on November 20 to discuss the peer review process. As sections of the SWMP are completed, they will be forwarded to Ms. Ward for review.
- Charles City County, Petersburg, Richmond and Powhatan have not yet provided the SWMP team with the jurisdiction specific information.
- A description of maps planned for the SWMP was presented. Preliminary versions of maps 1 and 2 were available for the team to review. The team felt that the depiction of the projected 2024 urbanized area on map 2 was not a good projection of population growth based on the regions population numbers for 2024. Mr. Martin will meet with Mr. Liu and Mr. Birnie to review alternative projections for future urbanized areas and revise map 2 accordingly.
- The SWMP schedule was reviewed and December 11, 2003 was established as the target date to have a draft report ready to be electronically distributed to team members and TAC members for peer review, and to Joyce Engineering for an engineering review. A meeting was tentatively scheduled for 2 p.m. Tuesday, January 13, 2004 for SWMP team members to provide feedback on the draft. An alternative date has been set for 2 p.m. Wednesday, January 14, 2004 if Joyce Engineering is not available on Tuesday.

The use of a process flow diagram developed by Mr. Martin was discussed and it was decided that it would provide a good visual way of describing the flow of Solid Waste within the Region. The team decided that the diagram should be general in nature with the detail included in the narrative part of the plan. Additionally, it was suggested that on the recycling side, additional steps be included to show the closed loop process of recycling.

The revised population/ housing unit / employment charts prepared were distributed and discussed. The flat to declining housing and population figures for some localities in the Region were noted and questioned. This trend will not be highlighted in the narrative section of the plan.

It was noted that there would be a Holiday Reception following the December 12 Board of Directors meeting and that TAC and SWMP Team members are invited.

SWMP Meeting Agenda

January 13, 2004

- Feedback from Joyce Engineering
- Discussion of Overall SWMP Document (Concepts, Direction, Completeness...)
- Factual Issues
- Next Steps (Target Date, 2/8/04, for Final Draft)

Appendix L

Amendment 2

Major Amendment for Old Dominion Landfill Expansion

**Public Input Solicited for Amendment to Regional Solid Waste Management Plan
(Press Release - September 2005)**

The Central Virginia Waste Management Authority (CVWMA) is taking this opportunity to notify all interested parties about this project so that we may benefit from your input as we prepare the Amendment. This is your opportunity to present preliminary information to CVWMA. Any and all contributions at this time will greatly assist in making sure that the amendment incorporates the public's opinions.

In the early 1990's, the CVWMA prepared a Solid Waste Management Plan (SWMP), which was been utilized to coordinate solid waste activities among its 13 local jurisdictions for eleven years. The Virginia Department of Environmental Quality (VDEQ) has requested new SWMPs be prepared consistent with the new regulations governing Solid Waste Management. The central Virginia region provided a plan for solid waste management for the next 20 years, or through the year 2024 that was approved by the VDEQ August 20, 2004. CVWMA is now preparing an amendment to this plan to reflect proposed landfill expansions.

The amendment is to be submitted to the VDEQ for approval. The Plan is available for public review.

To help us with the process of amending this plan, we encourage you to:

- Review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2100 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2104 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA. More information about the CVWMA is available at: www.cvwma.com.
- Review the Department of Environment Quality's Waste Management website at www.deq.state.va.us/waste/planning.html, for more information about the solid waste management planning regulations.
- Make comments concerning the Solid Waste Management Plan amendment by telephoning Bernard Harris, at (804) 359-8413, extension 21; or in writing by sending a letter to: Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to: bharris@cvwma.com.
- Send comments no later than October 6, 2005. A public meeting regarding the Solid Waste Management Plan will be held on October 6, 2005 at 9:00 a.m. in the Richmond Regional Planning District Commission Conference Room at 2104 W. Laburnum Ave., Suite 101, Richmond, VA. 23227.

The CVWMA is a public service authority that assists local governments in coordinating recycling and waste management programs for thirteen local governments. Member jurisdictions include the Cities

of Colonial Heights, Hopewell, Petersburg, and Richmond, the Town of Ashland, and the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan and Prince George.

Input Request to CAC

September 15, 2005

Dear ;

The Central Virginia Waste Management Authority is in the process of generating an amendment to the Solid Waste Management Plan (SWMP) to reflect expansion plans for several landfills with the region to include the Allied Waste Old Dominion Sanitary Landfill and the Henrico County Landfill #3 on Charles City Road.

CVWMA staff has been working on the SWMP amendment and would like your input prior to submittal to the Department of Environmental Quality.

By making everyone aware of the development of the plan amendment, we have the benefit of citizens' comments and concerns as we go through this process. Having comments at this time will afford a greater opportunity for relevant issues to be identified and considered. It is important to the process that any particular concerns that citizens may have be addressed as part of the SWMP amendment development process.

Contact me in writing (2100 West Laburnum Ave., Suite 105; Richmond, VA. 23227), by phone (804.359.8413) or by e-mail (bharris@cvwma.com) to offer any comments or suggestions that you may have. Your input is critical to the development of a successful solid waste management plan that meets the needs of the CVWMA area.

Thank you for your attention to this.

Sincerely,

Bernard B. Harris
Director of Operations

Enclosure
cc: John Mitchell, Executive Director

Newspaper Ad for Public Input

Public Input Solicited for Regional Solid Waste Management Plan

The Central Virginia Waste Management Authority (CVWMA) is requesting that all interested parties provide input to the development of an amendment to the regional Solid Waste Management Plan (SWMP), October 6, 2005 at 9:00 a.m. in the Richmond Regional Planning District Commission Conference Room at 2104 W. Laburnum Ave., Suite 101, Richmond, VA. 23227. The SWMP amendment will define the development plans for several area sanitary landfills .

Prior to providing comments, citizens are encouraged to review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2104 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2104 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens are also encouraged to submit comments in writing to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to bharris@cvwma.com. These comments will become part of the permanent record and be considered in the development of the plan.

Ad placed in Richmond Times Dispatch

Public Hearing Comments

There were no comments received at the public meeting October 6, 2005.

Several members of the CAC responded with comments indicating their support for the amendment.

There were no public comments received at the February 2, 2006 Richmond Regional Planning District Commission (RRPDC) meeting, at the March 9, 2006 Crater Planning District Commission (CPDC) meeting or at the March 17 CVWMA Board of Directors meeting where resolutions were adopted supporting the submission of the amendment to the DEQ.

Resolutions from CPDC, RRPDC and CVWMA authorizing submittal of amendment and VA
DEQ approval letter:



Planning District Commission

Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond
Executive Director
Paul E. Fisher

**RESOLUTION OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION OF THE MAJOR AMENDMENT TO THE
CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and,

WHEREAS, in April 2004, the Richmond Regional Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waster management; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment to the Plan in accordance with 9 VAC 20-130-10 et seq.; and,

WHEREAS, the Richmond Regional Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan; now, therefore,

BE IT RESOLVED, that the Commission approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Paul E. Fisher
Executive Director



Malvern R. Butler
Chairman

FEBRUARY 2, 2006
Date Approved

18

19

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: 804-732-8972 • E-MAIL: craterpd@cpd.state.va.us • WEBSITE: www.craterpd.state.va.us
Dennis K. Morris, Executive Director

RESOLUTION BY THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF THE MAJOR AMENDMENT TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, the Richmond Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and

WHEREAS, in 2004, the Crater Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and,

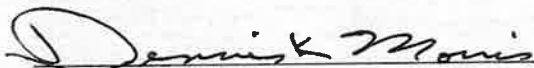
WHEREAS, the plan horizon covers the 20 period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment to the Plan in accordance with 9 VAC 20-130-10 et seq; and,

WHEREAS, the Crater Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan; and

NOW, THEREFORE BE IT RESOLVED that the Crater Commission this 9th day of March, 2006, formally approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Executive Director
Dennis K. Morris

March 9, 2006
Date



Chairman
John M. Seward

March 9, 2006
Date

RESOLUTION 06-16

THE CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY RESOLVES:

A resolution adopting a major amendment to the Central Virginia Solid Waste Management Plan for the expansion of Allied Waste Industries Old Dominion Landfill in the County of Henrico and directing the transmittal of the amendment to the Virginia Department of Environmental Quality (DEQ) for review and approval.

Whereas, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

Whereas, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

Whereas, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

Whereas, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

Whereas, the CVWMA is the legal entity responsible for the implementation of the plan; and,

Whereas, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

Whereas, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004; and,

Whereas, the Central Virginia Waste Management Authority has prepared a major amendment to the Plan in accordance with 9 VAC 20-130-10 et seq.; and,

Whereas, the Richmond Regional Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan February 2, 2006; and,

Whereas, the Crater Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan March 9, 2006; and,

Whereas, the Central Virginia Waste Management Authority recommends that the major amendment to the Central Virginia Solid Waste Management Plan for the Old Dominion Landfill be submitted to the Virginia DEQ for review and consideration.

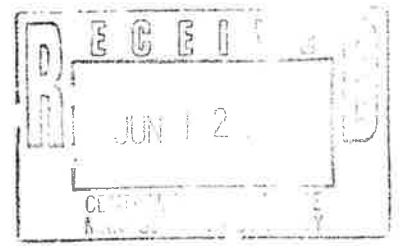
THEREFORE, BE IT RESOLVED that this resolution shall be in full force and effect upon its passage.

Adopted this 17th day of March 2006

Attest:


Robert L. Dunn

Chair



COMMONWEALTH of VIRGINIA

L. Preston Bryant, Jr.
Secretary of Natural Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY
Street address: 629 East Main Street, Richmond, Virginia 23219
Mailing address: P. O. Box 10009, Richmond, Virginia 23240
Fax (804) 698-4500 TDD (804) 698-4021
www.deq.virginia.gov

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

June 9, 2006

Mr. John H. Mitchell, Executive Director
Central Virginia Waste Management Authority
2100 West Laburnum Avenue, Suite 105
Richmond, VA 23227

Subject: Approval of Amendment 2 (Major) to the Central Virginia Solid Waste Management Plan

Dear Mr. Mitchell:

I am pleased to inform you that Amendment 2 to the Solid Waste Management Plan for the Central Virginia Waste Management Authority (CVWMA) dated March 21, 2006 and modified on May 10, 2006 and May 31, 2006, is hereby approved. The CVWMA Region includes: the Counties of Chesterfield, Charles City, Goochland, Hanover, Henrico, Powhatan, Prince George, and New Kent; the Cities of Colonial Heights, Hopewell, Petersburg, and Richmond; and the Town of Ashland.

The amendment is comprised of pages: 24R-2.1, 24R-2.2, 24R-2.3, 24R-2.4, 25R-2.1, 26R-2.1, 26R-2.2, 64R-2.1, and Appendix L (Amendment 2). A copy is attached.

The Department understands that another landfill, Skinquarter CDD Landfill (Permit No. 604), will be addressed under a future Major Amendment to the plan. DEQ requests that CVWMA include the available information for all permitted and proposed facilities into the SWMP as part of the amendment.

As part of that future Major Amendment, the following data should be included for the landfills in the CVWMA Region, for the 20-year life of the plan:

1. Their projected capacities (may be expressed in tons or cubic yards).
2. Expected life.
3. Average and peak daily acceptance rate in tons.

Having the data in the plan in this fashion would allow landfills in the locality or region to satisfy the permitting requirements regarding consistency with a Solid Waste Management Plan (Va. Code §§ 10.1-1408.1 D 1 (vi) and 10.1-1411). Please note that

Mr. John H. Mitchell, Executive Director
Page 2

the current approved plan may not be consistent with the on-going waste receiving activities for some of the landfills listed in Table 2.

Under Section 9 VAC 20-130-175 B of the Regulations for Solid Waste Management Planning, Amendment 1: "Any amendments to the plans shall be approved by the department prior to implementation."

Thank you again for your efforts and cooperation in this matter. If you have any questions about this letter, please contact Daniel S. Gwinner at (804) 698-4218.

Sincerely,



Leslie A. Romanchik
Director, Office of Waste Permitting

Attachment

cc: Rob Timmins-VADEQ
Howard Freeland-VADEQ
Dr. M. A. Karim, P.E.-VADEQ
Sanjay Thirunagari-VADEQ
Daniel S. Gwinner-VADEQ
Bernard B. Harris-CVWMA

Appendix M

Amendment 3

Major Amendment for Proposed Skinquarter Land, LLC C/D/D Landfill

Public Input Solicited for Amendment to Regional Solid Waste Management Plan

The Central Virginia Waste Management Authority (CVWMA) requests input from all interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public meeting is scheduled for 7:00 p.m. August 30, 2006 at the Clover Hill High School, 13900 Hull Street Road, Midlothian, VA 23112. The SWMP amendment will define the development plans for a Construction / Demolition / Debris (C/D/D) landfill on the property located at 20701 Hull Street Road in the County of Chesterfield. The facility currently serves as a wood recycling facility. The amendment also includes an update to the technical information for several other landfills included in the SWMP.

All interested parties are encouraged to review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2100 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2104 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens are also encouraged to submit written comments prior to the public hearing but no later than August 30, 2006 to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to bharris@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.

Ad Placed in the *Richmond Times Dispatch* August 16, 2006



Chesterfield County, Virginia

Department of Public Affairs

9901 Lori Road, Room 500 – P.O. Box 40 – Chesterfield, VA 23832

Phone: (804) 748-1161 – Fax: (804) 748-7609 – Internet: chesterfield.gov

DON J. KAPPEL

Director

Aug. 8, 2006

For immediate release

PUBLIC MEETING SCHEDULED FOR REGIONAL SOLID WASTE MANAGEMENT PLAN AMENDMENT

CHESTERFIELD COUNTY, VA – The Central Virginia Waste Management Authority, or CVWMA, is requesting input on the development of an amendment to the regional Solid Waste Management Plan, or SWMP. A public meeting on the amendment will be held Wednesday, Aug. 30, 7 p.m., at Clover Hill High School, 13900 Hull Street Road. The SWMP amendment will define the development plans for a construction- and -demolition debris landfill at 20701 Hull Street Road. The property currently is being used as a wood-recycling facility. The amendment also includes an update to the technical information for several other landfills included in the SWMP.

Chesterfield County is a member of CVWMA, and as such any solid waste facilities within Chesterfield County must be consistent with the SWMP, which was developed, written and is managed by the CVWMA.

Those interested also can submit written statements to be considered in the development of the amendment prior to the public meeting. Statements should be mailed to Bernard Harris, CVWMA, 2100 West Laburnum Ave., Suite 105, Richmond, Va., 23227, or e-mailed to bharris@cvwma.com. These statements will become part of CVWMA's permanent record. All interested parties are asked to review the 2004-24 Central Virginia Solid Waste Management Plan. Copies of the plan are available at CVWMA, the Richmond Regional Planning District Commission and the Crater Planning District Commission.

For more information, contact CVWMA at 359-8413.



PUBLIC NOTICE

**Public Meeting for Intent to Amend
the**

**Central Virginia Solid Waste Management
Plan for a Solid Waste Facility**

By Skinquarter LLC, Inc.

**SUBJECT: Construction, Demolition and Debris Landfill
Solid Waste Management Plan Amendment**

DATE: August 30, 2006

TIME: 7:00 p.m.

**LOCATION: Clover Hill High School Auditorium
13900 Hull Street Road
Midlothian, VA 23112**

Should you have any questions, please contact Bernie Harris at the Central Virginia Waste Management Authority (804) 359-8413.

Public Hearing Comments

There were no comments received at the public meeting August 30, 2006.

Resolutions from CPDC, RRPDC and CVWMA authorizing submittal of amendment and VA
DEQ approval letter:

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: 804-732-8972 • E-MAIL: craterpd@cpd.state.va.us • WEBSITE: www.craterpdc.state.va.us
Dennis K. Morris, Executive Director

RESOLUTION OF THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF THE MAJOR AMENDMENT TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and

WHEREAS, in 2004, the Crater Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and,


WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,


WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment to the Plan in accordance with 9 VAC 20-130-10 et seq; and,

WHEREAS, the Crater Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan; and

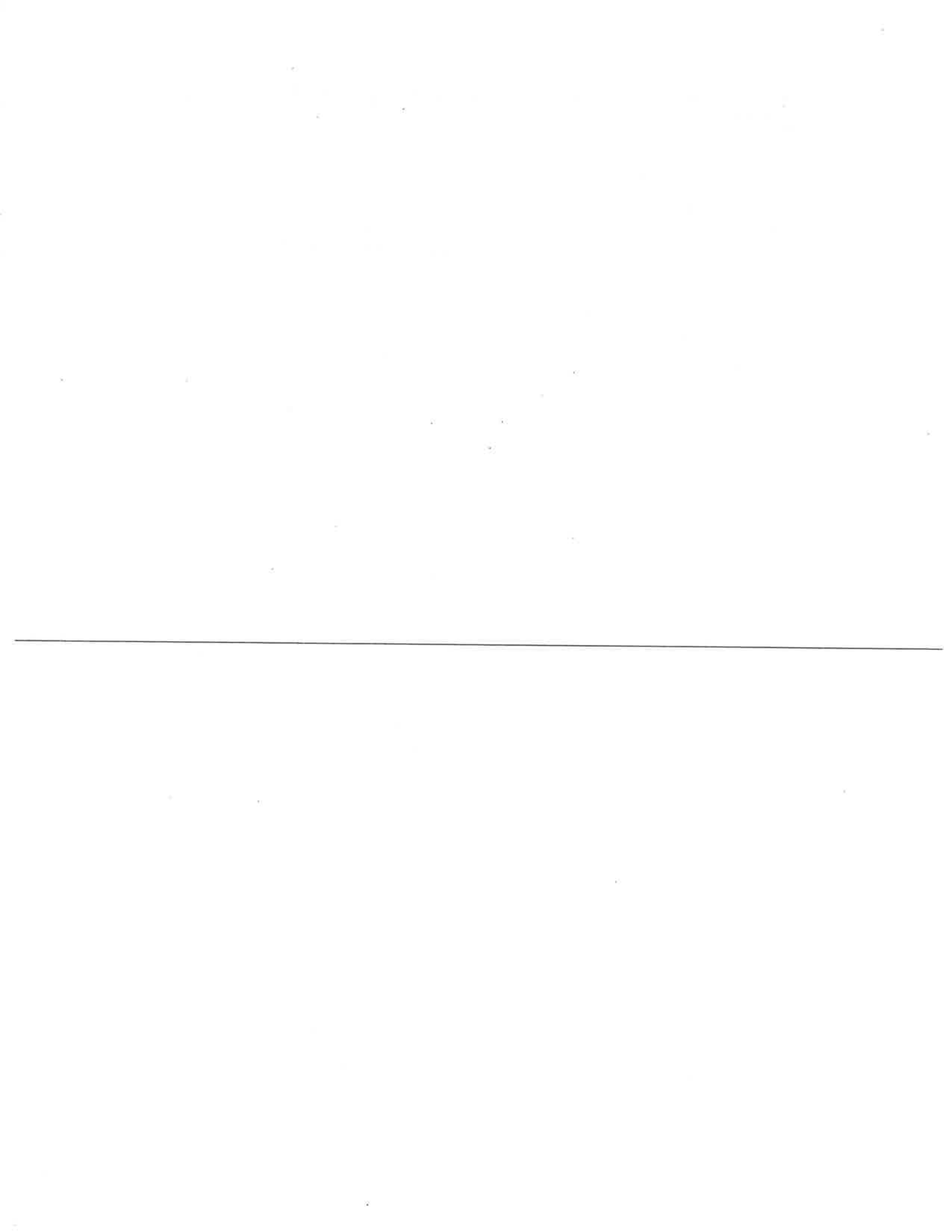
BE IT RESOLVED, that the Crater Commission approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.


Executive Director
Dennis K. Morris


Chairman
John M. Seward

October 12, 2006
Date.

October 12, 2006
Date





Planning District Commission

Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond
Executive Director
Paul E. Fisher

**RESOLUTION OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION OF A MAJOR AMENDMENT AND SEVERAL
MINOR AMENDMENTS TO THE CENTRAL VIRGINIA SOLID WASTE
MANAGEMENT PLAN**

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and,

WHEREAS, in April 2004, the Richmond Regional Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

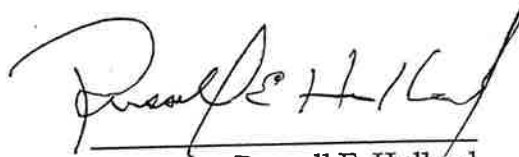
WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment to the plan to add the proposed privately owned and operated Skinquarter Land, LLC Construction/Demolition/Debris Landfill located in the Skinquarter area in Western Chesterfield County, and several minor amendments to update the technical information about other landfills in the plan in accordance with 9 VAC 20-130-10 et seq.; and,

WHEREAS, the Richmond Regional Planning District Commission has reviewed and considered the amendments to the Central Virginia Solid Waste Management Plan;

NOW, THEREFORE, BE IT RESOLVED, that the Commission approves the amendments to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendments to the Virginia Department of Environmental Quality for approval.



Paul E. Fisher
Executive Director



Russell E. Holland
Chairman

9/14/06
Date Approved

RESOLUTION 07-07

A resolution adopting a major amendment to the Central Virginia Solid Waste Management Plan (CVSWMP) to include a planned Construction, Demolition and Debris Landfill in the Skinquarter area of Chesterfield County and directing the transmittal of the amendment to the Virginia Department of Environmental Quality (DEQ) for review and approval.

THE CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY RESOLVES:

Whereas, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

Whereas, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

Whereas, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

Whereas, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

Whereas, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

Whereas, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

Whereas, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004; and,

Whereas, the Central Virginia Waste Management Authority has prepared a major amendment (amendment 3) to the Plan in accordance with 9 VAC 20-130-10 et seq.; and,


Whereas, the Richmond Regional Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan September 14, 2006; and,

Whereas, the Crater Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan October 12, 2006; and,

Whereas, the Central Virginia Waste Management Authority recommends that the major amendment to the Central Virginia Solid Waste Management Plan for the Skinquarter Construction, Demolition and Debris landfill be submitted to the DEQ for review and consideration.

THEREFORE, BE IT RESOLVED, that this resolution shall be in full force and effect upon its passage.

Adopted this 20th day of October, 2006

Attest: 
Marcia E. Kelley, Chairman



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

Fax (804) 698-4500 TDD (804) 698-4021

www.deq.virginia.gov

February 22, 2007

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

Ms. Kimberly A. Hynes, Executive Director
Central Virginia Waste Management Authority
2100 West Laburnum Avenue, Suite 105
Richmond, VA 23227

Subject: **Approval of Amendment 3 (Major) to the Central Virginia Solid Waste Management Plan**

Dear Ms. Hynes:

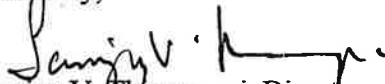
I am pleased to inform you that Amendment 3 to the Solid Waste Management Plan for the Central Virginia Waste Management Authority (CVWMA) dated October 23, 2006 and modified on January 29, 2007, is hereby approved.

The amendment is comprised of pages: 24 (24R-3.1, 24R-3.2, 24R-3.3, 24R-3.4, 24R-3.5, 24R-3.6), 25 (25R-3.1), 26 (26R-3.2), 27 (27R-3.1, 27R-3.2) and 65 (65R-3.1, 65R-3.2), and Appendix M (pages 153-162). A copy is attached. The Department understands that CVWMA included the available information for all permitted and proposed facilities into the SWMP as part of this amendment.

Under Section 9 VAC 20-130-175 B of the Regulations for Solid Waste Management Planning, Amendment 1: "Any amendments to the plans shall be approved by the department prior to implementation."

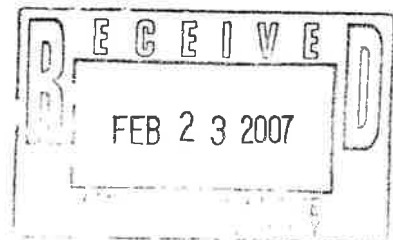
Thank you again for your efforts and cooperation in this matter. If you have any questions about this letter, please contact Daniel S. Gwinner at (804) 698-4218.

Sincerely,


Sanjay V. Thirunagari, Director
Office of Waste Technical Support
Waste Division

Attachment

cc: Rob Timmins-VADEQ
Dr. M. A. Karim, P.E.-VADEQ
Daniel S. Gwinner-VADEQ
Bernard B. Harris-CVWMA



Appendix N

Amendment 4

Major Amendment for Proposed Environmental Solutions Inc. Composting Facility

Public Input Solicited for Amendment to Regional Solid Waste Management Plan

Public Input Solicited for Regional Solid Waste Management Plan Amendment

The Central Virginia Waste Management Authority (CVWMA) requests input from all interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public meeting is scheduled for 7:00 p.m. October 4, 2006 at the Enon Elementary School, 2001 East Hundred Road, Chester, VA 23836. The SWMP amendment will incorporate the development plans for a Composting Facility on the property located at 13101 North Enon Church Road in the County of Chesterfield into the SWMP.

All interested parties are encouraged to review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2100 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 2104 West Laburnum Avenue, Suite 101, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens are also encouraged to submit written comments prior to the public hearing but no later than October 4, 2006 to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to bharris@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.

Ad Placed in the *Richmond Times Dispatch* September 15, 2006



PUBLIC NOTICE

**Public Meeting for Intent to Amend the
Central Virginia Solid Waste Management
Plan
for a Composting Facility
By Environmental Solutions, Inc.**

**SUBJECT: Composting Facility Solid Waste Management
Plan Amendment**

DATE: October 4, 2006

TIME: 7:00 p.m.

**LOCATION: Enon Elementary School Cafeteria
2001 East Hundred Road
Chester, VA 23836**

Should you have any questions, please contact Bernie Harris at the Central Virginia Waste Management Authority (804) 359-8413.

**October 4, 2006 SWMP Amendment 4 Public Meeting
Enon Elementary School**

Citizen Attendees:

- Joseph E. Monroe, 2205 Mt Blanco Rd, Chester 23836 (Jmonroe99@aol.com)
- Samuel A. Cleotelis, 2413 Mt Blanco Rd, Chester 23836 (scleotelis@comcast.net)
- Gibbons Sloan III, 410 Rivers Bend Cir, Chester 23836 (gibsloan@comcast.net)
- Paul J Mason 12217 Sloan Dr, Chester 23836
- F. Gibbons Sloan Jr, 12003 N. Enon Church Rd, Chester 23836
- William B. Sloan 13210 Kingston Ave, Chester 23836, (wbsloan@comcast.net)
- Mark Fausz, Village News - P.O. Box 2397, Chester 23831 (mfausz@villagepublishing.com)
- J.W. McChure, 12300 Sloan Dr, Chester 23836
- Howard Bridge, 2600 Burgess Rd, Chester 23836
- Matthew Coyner, 531 Old Burmuda Hundred Rd, Chester 23836 (mcoyner@gmail.com)
- Carrie Coyner, 531 Old Burmuda Hundred Rd, Chester 23836 (carrie.coyner@gmail.com)
- Richard Enz, 12224 Sloan Dr., Chester
- Sidney Harrison
- Pat Fangume

Following an introduction describing the purpose of the meeting (by Bernie Harris - CVWMA and Charles Dane - County of Chesterfield) and an overview of the proposed composting facility (ESI Management - Brenda Robinson, Harry Gregori and Bill Murphy) the meeting was opened up to the citizens for questions.

Ques: What is the permit that the facility must apply for?

Ans: A composting permit from the VA Department of Environmental Quality (DEQ)

Ques: What is being amended?

Ans: The Central Virginia Solid Waste Management Plan to include the proposed composting facility. This will allow Environmental Solutions Incorporated (ESI) to apply to the DEQ for the necessary permit.

Ques: What is the process for approving the amendment?

Ans: After this public meeting the amendment must be approved by the Crater Planning District Commission (PDC), the Richmond Regional PDC and the Central Virginia Waste Management Authority (CVWMA) Board of Directors. It will then be sent to the DEQ with the comments from this public meeting for their review and approval.

Ques: Who is the CVWMA?

Ans: The CVWMA is a regional waste management authority with thirteen member local jurisdictions; the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan and Prince George, the Cities of Colonial Heights, Hopewell, Petersburg and Richmond and the Town of Ashland. The authority was

formed to address recycling issued for the member localities and assist them in achieving the mandated 25% recycling rate.

Ques: How could ESI be allowed to consider putting a composting facility in that area?

Ans: The property is zoned I3. The proposed use as a composting facility fits within this zoning classification. The County could not legally withhold approval.

Ques: What is being done to address the odor problem?

Ans: Odor issues are addressed by the DEQ during the permitting process. Both the Part A and Part B Application require that plans to control odor be included in the application.

Ques: What is tobacco sludge?

Ans: Tobacco sludge is the solids removed from industrial water from the tobacco manufacturing process. There is some already on this site from the previous operation, Brown and Williamson. This material will initially be utilized as the feedstock.

Ques: What will happen when the entire on site tobacco sludge is used up?

Ans: Additional tobacco sludge will be brought in, approximately six truckloads per day (approx. 15 - 20 tons per truck).

Ques: Can the sludge that is currently on site stay as is?

Ans: Per the DEQ it must be used or removed.

Comments:

- Mt Blanco residents expressed their concerns about odors emanating from the facility and the impact on the area.
- A comparison was made to the odor that is noticed when one follows a truck taking tobacco waste from Phillip Morris to Shoosmith Bros Landfill
- It was pointed out that this facility, the old Brown and Williamson complex, is in the middle of a neighborhood of homes and an office complex. The speaker noted that they foresaw problems down the road and were concerned about it.
- A speaker compared the proposed operation with Shoosmith putting a 'dump' in their neighborhood.
- One citizen indicated that the residents were there first and that they will sue the operation as a nuisance if there is an odor problem.
- ESI indicated that if the citizens in attendance would give their name and address, ESI would notify them of future public meetings as the permit process progressed with the DEQ.
- One citizen remembered the noise that from the boiler that had been an irritant when Brown and Williamson operated the facility and asked if that would continue. ESI responded that they are pursuing other businesses for the other portions of the 143-acre parcel and at this time did not know how much the boiler would be needed. It is not part of the composting process. ESI pointed out that are trying to encourage manufacturing and recycling operations to the site that will add area jobs.

Ques: Are there any other facilities like this that use tobacco sludge in the composting process?

Ans: Not that anyone at the meeting was aware of but there are other composting facilities around that use other input materials. A variety of material can be used for compost input.

Ques: How can odor be measured by the DEQ? How can neighbors tell when the odors are within or outside allowable limits?

Ans: That is beyond the scope of this meeting and should be addressed to the DEQ, possibly at the permit hearing. It was pointed out that citizen complaints drive the process.

Ques: Does the Plan limit the operation to tobacco sludge or can other materials be used?

Ans: The Plan itself isn't the limiting factor, the permit is. The permit specifies the input material. If ESI wanted to change that they would have to modify the permit which would mean going through the process, including the plan amendment, again.

Ques: Is the sludge that is currently on site contained in a building? Will the sludge that is trucked in be contained in a building.

Ans: No the sludge is placed in drying beds

Ques: Won't the trucks bringing the sludge in be a problem with spills and such?

Ans: This problem will be minimized as they will be ESI trucks and employees so ESI will be able to control those issues and be able to respond to complaints more quickly and effectively.

Ques: Will the number of trucks bringing in the material be limited at all?

Ans: Yes the quantities will be clearly defined in the DEQ permit.

Ques: The economics don't seem to be great with only 6 trucks per day. How much money can you make on that small amount of compost?

Ans: That is correct. That is way ESI is trying to bring in other technology and manufacturing operations to the site. ESI is not going to create a situation with the composting facility that establishes an environment that chases off other businesses or keeps them from wanting to relocate there.

Ques: Who are the Chesterfield representatives on the CVWMA Board?

Ans: Bob Dunn, Marcia Phillips and Bill Howell

Ques: How will the finished product leave the facility?

Ans: By truck, either in bags or in bulk. Approximately on a 1-for-1 truck in/truck out ratio, primarily during lawn and gardening season.

Ques: Will other parts of the facility progress while going through the permitting process

for the composting facility?

Ans: Yes

Ques: Where can we get contact information on Chesterfield CVWMA Board members?

Ans: Leave your name and contact information and Charles Dane will provide you with the information.

Resolutions from CPDC, RRPDC and CVWMA authorizing submittal of amendment and VA
DEQ approval letter:

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: 804-732-8972 • E-MAIL: craterpd@cpd.state.va.us • WEBSITE: www.craterpdc.state.va.us
Dennis K. Morris, Executive Director

RESOLUTION OF THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF THE MAJOR AMENDMENT TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and

WHEREAS, on March 17, 2004, the Crater Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and,

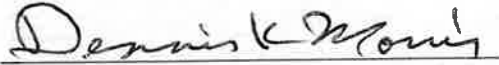
WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment to the Plan in accordance with 9 VAC 20-130-10 et seq. to add the proposed privately owned and operated Environmental Solutions Incorporated composting facility located at 13101 North Enon Church Road in Chesterfield County to the Plan; and,

WHEREAS, the Crater Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan.

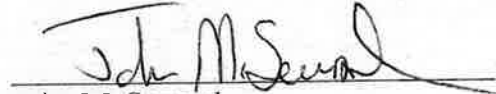
NOW, THEREFORE, BE IT RESOLVED that the Crater Planning District Commission approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Dennis K. Morris
Executive Director

January 11, 2007

Date Approved



John M. Seward
Chairman

January 11, 2007

Date Approved



Planning District Commission

Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond
Executive Director
Paul E. Fisher

**RESOLUTION OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION OF THE MAJOR AMENDMENT TO THE
CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and,

WHEREAS, in April 2004, the Richmond Regional Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waster management; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

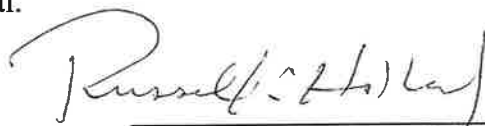
WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment to the Plan in accordance with 9 VAC 20-130-10 et seq. to add the proposed privately owned and operated Environmental Solutions Incorporated composting facility located at a site located at 13101 North Enon Church Road in Chesterfield County to the Plan; and,

WHEREAS, the Richmond Regional Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan; now, therefore,

NOW, THEREFORE, BE IT RESOLVED, that the Commission approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Paul E. Fisher
Executive Director



Russell E. Holland
Chairman

12/14/06
Date Approved

RESOLUTION 07-17

A resolution adopting a major amendment to the Central Virginia Solid Waste Management Plan to include a planned Composting Facility in the Enon area of Chesterfield County and directing the transmittal of the amendment to the Virginia Department of Environmental Quality for review and approval.

WHEREAS in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (amendment 4) to the Plan in accordance with 9 VAC 20-130-10 et seq.; and,

WHEREAS, the Richmond Regional Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan December 14, 2006; and,

WHEREAS, the Crater Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan January 11, 2007; and,

WHEREAS, the Central Virginia Waste Management Authority recommends that the major amendment to the SWMP for the Environmental Solutions Incorporated Composting Facility be submitted to the DEQ for review and consideration.

THEREFORE, BE IT RESOLVED that this resolution shall be in full force and effect upon its passage.

Adopted this 19th day of January 2007

Attest:


Marcia E. Kelley, Chairman





COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

Fax (804) 698-4500 TDD (804) 698-4021

www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

March 1, 2007

Ms. Kimberly A. Hynes, Executive Director
Central Virginia Waste Management Authority
2100 West Laburnum Avenue, Suite 105
Richmond, VA 23227

Subject: Approval of Amendment 4 (Major) to the Central Virginia Solid Waste Management Plan

Dear Ms. Hynes:

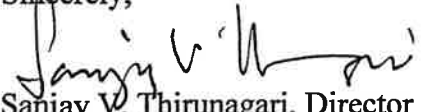
I am pleased to inform you that Amendment 4 to the Solid Waste Management Plan for the Central Virginia Waste Management Authority (CVWMA) dated January 24, 2007, is hereby approved.

The amendment is comprised of pages: 37AR-4.1 and 37AR-4.2 and Appendix N (pages 163-175).). A copy is attached.

Under Section 9 VAC 20-130-175 B of the Regulations for Solid Waste Management Planning, Amendment 1: "Any amendments to the plans shall be approved by the department prior to implementation."

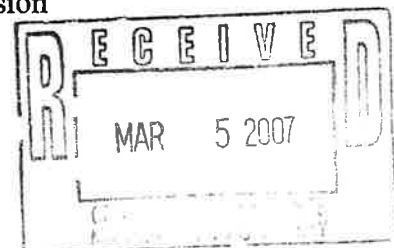
Thank you again for your efforts and cooperation in this matter. If you have any questions about this letter, please contact Daniel S. Gwinner at (804) 698-4218.

Sincerely,


Sanjay V. Thirunagari, Director
Office of Waste Technical Support
Waste Division

Attachment

cc: Rob Timmins-VADEQ
Dr. M. A. Karim, P.E.-VADEQ
Daniel S. Gwinner-VADEQ
Bernard B. Harris-CVWMA



Appendix O

Amendment 5

Major Amendment for Tri-Cities Regional Disposal and Recycling Services Sanitary Landfill (old City of Petersburg Landfill)

Public Input Solicited for Amendment to Regional Solid Waste Management Plan

The Central Virginia Waste Management Authority (CVWMA) requests input from all interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public will have the opportunity to comment on the proposed amendment to the Plan at 9:00 a.m. January 14, 2010 at the Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting. The meeting will be held at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA. The proposed SWMP amendment will define the development plans for expansion of the Tri-Cities Regional Disposal and Recycling Services Sanitary Landfill, owned by CFS Disposal and Recycling Group, LLC and located at 390 Industrial Dr. in the City of Petersburg.

All interested parties are encouraged to review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2100 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 9211 Forest Hill Ave, Richmond, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens may also submit written comments prior to the public meeting but no later than January 14, 2010 to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to bharris@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.

Ad Placed in the Petersburg Progress Index December 28, 2009

There were no comments received at the public meeting January 14, 2010.

Resolutions from CPDC, RRPDC and CVWMA authorizing submittal of amendment:

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX 804-732-8972 • E-MAIL: craterpd@cpd.state.va.us • WEBSITE: www.craterpdc.state.va.us
Dennis K. Morris, Executive Director

February 16, 2010

Ms. Kim Hynes
Executive Director
Central Virginia Waste Management Authority
2100 W. Laburnum Avenue, Suite 105
Richmond, Virginia 23227

Dear Kim,

Enclosed please find an executed Resolution of the Crater Planning District Commission Recommending Adoption of the Major Amendment to the CVSWMP which was approved on February 11, 2010.

I want to thank you for all of your support in this regard.

If you need anything additional please let me know.

Sincerely,



Denny K. Morris
Executive Director

Enclosure

RECEIVED

FEB 18 2010

**CENTRAL VIRGINIA WASTE
MANAGEMENT AUTHORITY**

CRATER PLANNING DISTRICT COMMISSION

CRATER PLANNING DISTRICT COMMISSION
1000 W. 10th Street, Suite 101
Tulsa, Oklahoma 74103
Phone: (918) 438-1234

TO: THE BOARD OF CRATER PLANNING DISTRICT COMMISSION
FROM: [Name]
SUBJECT: [Subject]

Dear Board Members:

I am writing to you regarding the [Subject] matter. I have reviewed the information provided and believe that the [Subject] is a matter of importance to the District. I am sure that the Board will find this information helpful in making its decision.

I am sure that the Board will find this information helpful in making its decision. I am sure that the Board will find this information helpful in making its decision.

I am sure that the Board will find this information helpful in making its decision. I am sure that the Board will find this information helpful in making its decision.

[Signature]

RECEIVED
FEB 14 1991

CRATER PLANNING DISTRICT COMMISSION
1000 W. 10th Street, Suite 101
Tulsa, Oklahoma 74103
Phone: (918) 438-1234

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX 804-732-8972 • E-MAIL: craterpd@cpd.state.va.us • WEBSITE: www.craterpd.state.va.us
Dennis K. Morris, Executive Director

RESOLUTION OF THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF A MAJOR AMENDMENT TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and,

WHEREAS, in 2004, the Crater Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and,

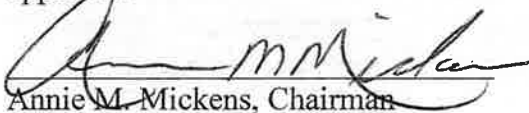
WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

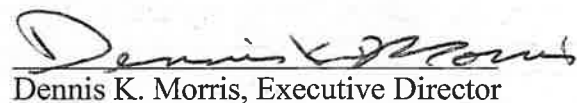
WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (Amendment 5) to the Plan in accordance with 9 VAC 20-130-10 et seq. to add the proposed expansion of the Tri-City Regional Disposal and Recycling Services Landfill located at 390 Industrial Drive, Petersburg 23803 to the Plan; and,

WHEREAS, the Crater Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan;

NOW, THEREFORE, BE IT RESOLVED, that the Commission approves the major amendment to the Central Virginia Solid Waste Management Plan on this 11th day of February, 2010 and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.


Annie M. Mickens, Chairman


Dennis K. Morris, Executive Director

February 11, 2010
Date

February 11, 2010
Date



Planning District Commission

Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond

March 18, 2010

Ms. Kimberly Hynes
Executive Director
Central Virginia Solid Waste
Management Authority
2100 W. Laburnum Avenue, Suite 105
Richmond, Virginia 23227

Dear Kimberly:

On March 11, 2010, the Richmond Regional Planning District Commission unanimously voted to approve a major amendment to the Central Virginia Solid Waste Management Plan and to authorize the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval. A copy of the resolution is enclosed.

Please do not hesitate to let me know if we can be of further assistance.

Sincerely,

Jacqueline S. Stewart, AICP
Director of Planning and Information Systems

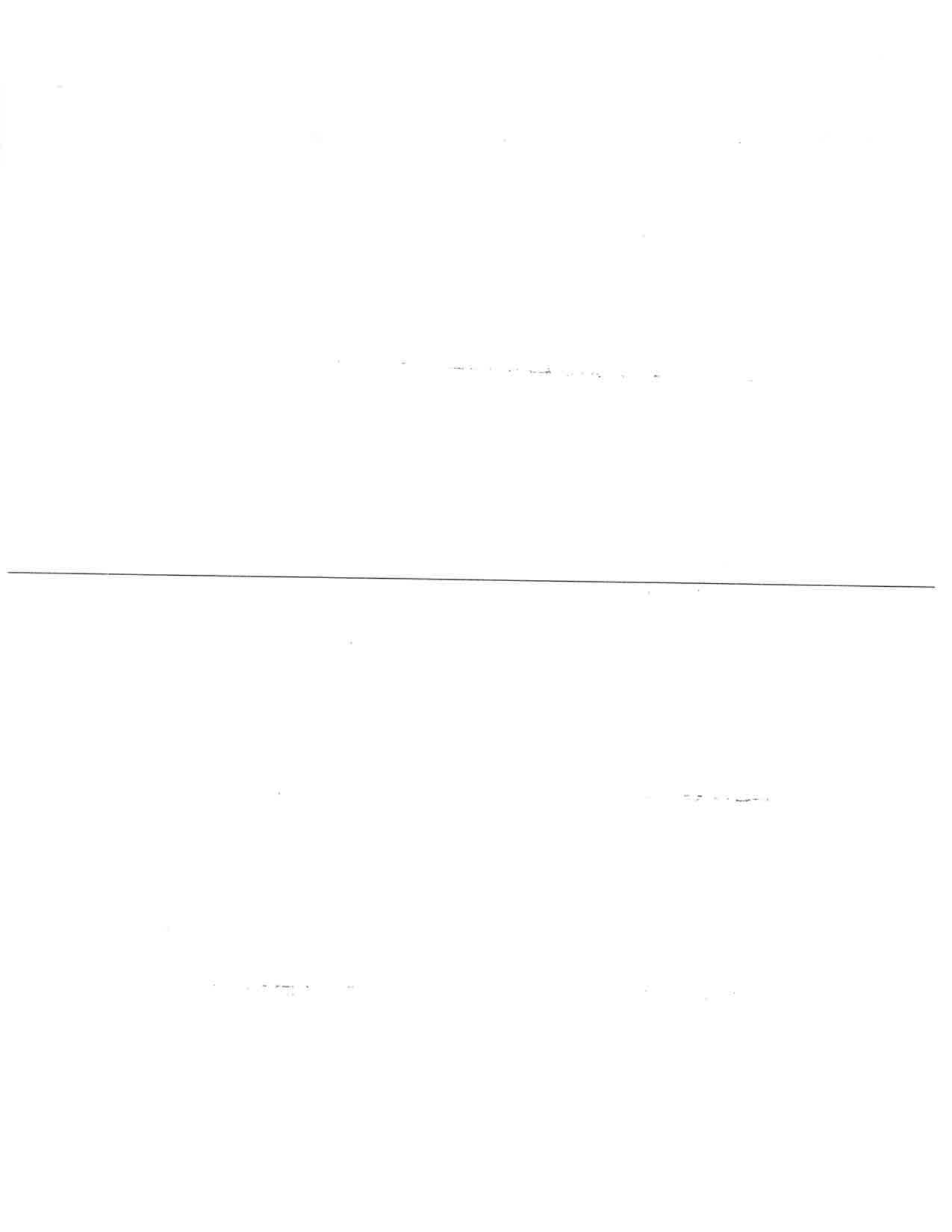
Enclosures

Pc: Robert A. Crum Jr., Executive Director

RECEIVED

MAR 19 2010

**CENTRAL VIRGINIA WASTE
MANAGEMENT AUTHORITY**





Planning District Commission

Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond

Executive Director
Robert A. Crum, Jr.

**RESOLUTION
OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION OF A MAJOR AMENDMENT TO THE
CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and

WHEREAS, in 2004, the Richmond Regional Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waster management; and

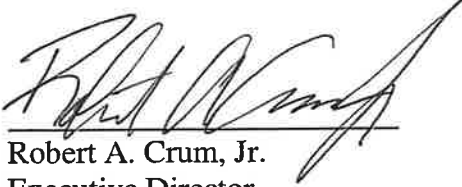
WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (Amendment 5) to the Plan in accordance with Title 9 VAC 20-130-10 et seq. to add the proposed expansion of the Tri-City Regional Disposal and Recycling Services Landfill (located at 390 Industrial Drive, Petersburg, VA 23803) to the Plan; and

WHEREAS, the Richmond Regional Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan;

NOW, THEREFORE, BE IT RESOLVED, that the Richmond Regional Planning District Commission approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Robert A. Crum, Jr.
Executive Director



Kathy C. Graziano
Chairman

11 Mar 10
Date Approved

RESOLUTION 10-13

A resolution adopting a major amendment to the Central Virginia Solid Waste Management Plan to include a planned expansion of the Tri-Cities Regional Disposal and Recycling Services landfill in Petersburg and directing the transmittal of the amendment to the Virginia Department of Environmental Quality for review and approval.

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland; and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004; and

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (amendment 5) to the Plan in accordance with 9 VAC 20-130-10 et seq.; and

WHEREAS, the Crater Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan February 11, 2010; and,

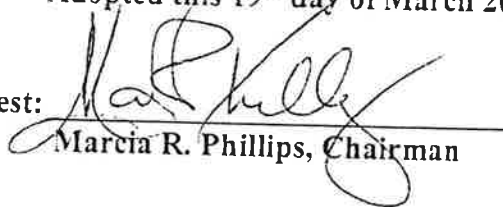
WHEREAS, the Richmond Regional Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan March 11, 2010; and

WHEREAS, the Central Virginia Waste Management Authority recommends that the major amendment to the Central Virginia Solid Waste Management Plan for the expansion of the Tri-Cities Regional Disposal and Recycling Services landfill be submitted to the Virginia Department of Environmental Quality for review and consideration.

THEREFORE, BE IT RESOLVED, that this resolution shall be in full force and upon its passage.

Adopted this 19th day of March 2010

Attest:


Marcia R. Phillips, Chairman

Appendix P

Amendment 6

Major Amendment for Republic Service CDD Landfill (in Goochland County)

Ad for Public Hearing – Amendment 6

Public Input Solicited for Regional Solid Waste Management Plan Amendment

The Central Virginia Waste Management Authority (CVWMA) requests input from interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public will have the opportunity to comment on the proposed amendment to the Plan 9:00 a.m. March 18, 2011 at the Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting. The meeting will be held at 2104 West Laburnum Avenue, Richmond, VA. The proposed SWMP amendment will define expansion plans for the 623 Landfill owned by Republic Services and located at 1961 Ashland Road, Rockville, Virginia (in the County of Goochland).

All interested parties are encouraged to review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA office, 2104 West Laburnum Avenue, Suite, 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 9211 Forest Hill Avenue, Suite 200, Richmond, VA 23235, VA; and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens may also submit written comments prior to the public meeting but no later than March 17, 2011 to Mr. Bernard Harris, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to bharris@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.

Ad Placed in the *Richmond Times Dispatch* March 13, 2011 and posted on CVWMA website (www.cvwma.com) March 4, 2011.

There were no comments received at the public meeting January 14, 2010.

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX 804-732-8972 • E-MAIL: info@craterpdc.org • WEBSITE: www.craterpdc.org
Dennis K. Morris, Executive Director

RESOLUTION OF THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF A MAJOR AMENDMENT TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and,

WHEREAS, in 2004, the Crater Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (Amendment 6) to the Plan in accordance with 9 VAC 20-130-10 et seq. to modify the Plan to reflect the proposed expansion of the 623 Landfill (CDD Landfill) located at 1961 Ashland Road, Rockville, Virginia (Goochland County); and,

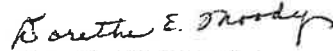
WHEREAS, the Crater Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan;

Page Two

NOW, THEREFORE, BE IT RESOLVED, that the Crater Commission, this 14th day of April, 2011, approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Executive Director
Dennis K. Morris



Doretha E. Moody
Chairman

April 14, 2011

Date

April 14, 2011

Date



Planning District Commission

Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond

Executive Director
Robert A. Crum, Jr.

**RESOLUTION
OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION OF
A MAJOR AMENDMENT TO THE
CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN**

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the Central Virginia Region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and

WHEREAS, in January 1992, the Richmond Regional Planning District Commission and the Crater Planning District Commission prepared the original Central Virginia Solid Waste Management Plan, as mandated by Virginia law; and

WHEREAS, in 2004, the Richmond Regional Planning District Commission approved a resolution recommending the adoption of the Central Virginia Solid Waste Management Plan that was updated to meet new requirements governing solid waste management; and

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan on August 20, 2004; and

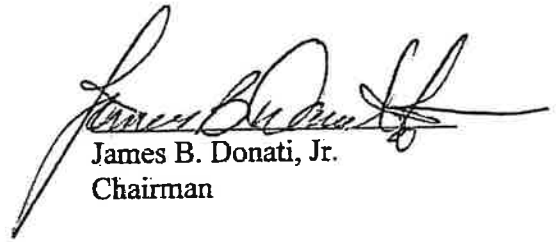
WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (Amendment 6) to the Plan in accordance with 9 VAC 20-130-10 et seq. to modify the plan to reflect the proposed expansion of the 623 Landfill (CDD Landfill) located at 1961 Ashland Road, Rockville, Virginia (Goochland County); and

WHEREAS, the Richmond Regional Planning District Commission has reviewed and considered the major amendment to the Central Virginia Solid Waste Management Plan;

NOW, THEREFORE, BE IT RESOLVED, that the Richmond Regional Planning District Commission, on this 14th day of April, 2011, approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Robert A. Crum, Jr.
Executive Director



James B. Donati, Jr.
Chairman

RESOLUTION 11-11

A resolution adopting a major amendment to the Central Virginia Solid Waste Management Plan to include a planned expansion of the Republic Services 623 CDD landfill in Goochland and directing the transmittal of the amendment to the Virginia Department of Environmental Quality for review and approval.

THE CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY RESOLVES:

WHEREAS in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, the plan horizon covers the 20-year period from 2004 through the year 2024; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004; and,

WHEREAS, the Central Virginia Waste Management Authority has prepared a major amendment (amendment 6) to the Plan in accordance with 9 VAC 20-130-10 et seq.; and,

WHEREAS, the Crater Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan April 14, 2011; and,


WHEREAS, the Richmond Regional Planning District Commission has reviewed and approved the major amendment to the Central Virginia Solid Waste Management Plan April 14, 2011; and,

WHEREAS, the Central Virginia Waste Management Authority recommends that the major amendment to the SWMP for the expansion of the Republic Services 623 CDD landfill be submitted to the DEQ for review and consideration.

THEREFORE, BE IT RESOLVED that this resolution shall be in full force and effect upon its passage.

Adopted this 15th day of April, 2011

Attest:


Mark Kukoski, Chairman



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

TDD (804) 698-4021

www.deq.virginia.gov

May 25, 2011

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

Douglas W. Domenech
Secretary of Natural Resources

Ms. Kimberly A. Hynes, Executive Director
Central Virginia Waste Management Authority
2100 West Laburnum Avenue, Suite 105
Richmond, VA 23227

Subject: **Approval of Amendment 6 (Major) to the Central Virginia Waste Management Authority Solid Waste Management Plan**

Dear Ms. Hynes:

I am pleased to inform you that Amendment 6 to the Solid Waste Management Plan for the Central Virginia Waste Management Authority (CVWMA) dated April 18, 2011 and revised on May 4, 2011 is hereby approved.

This major amendment addresses the proposed expansion of the Republic Services 623 CDD Landfill located at 1961 Ashland Road, Rockville, Virginia (Goochland County). The amendment is applicable to page 29 (revision of Section-4.2.3.1.1 Richmond Planning Subarea, Private Landfills), page 30 (replacement of Table 2) and Appendix Q (pages 184-188)

All Solid Waste Planning Units are required to maintain plans current including any updates submitted to DEQ.

Thank you again for your efforts and cooperation in this matter. If you have any questions about this letter, please contact Daniel S. Gwinner at (804) 698-4218.

Sincerely,

A handwritten signature in black ink, appearing to read "Sanjay V. Thirunagari".

Sanjay V. Thirunagari
Program Manager
Division of Land Protection and
Revitalization

cc: Kyle Winter-VADEQ
Dr. M. A. Karim, P.E.-VADEQ
Daniel S. Gwinner-VADEQ
Bernard B. Harris-CVWMA

Appendix Q

Amendment 7

Major Amendment for The East End Landfill (TEEL) in Henrico County

Legal Advertisements

YOU HAVE A RIGHT TO KNOW. STAY INFORMED.

Legal Notice Policy

The Richmond Times-Dispatch is not responsible for typographical errors or errors in publication except to the extent of the cost of the first insertion. No liability will arise through the omission for any cause of any ad or legal notice. You are cautioned to check the papers to ascertain if your ad or legal notice is published on the proper dates and in the proper form.

ABC LICENSES

ABC LICENSES

FFAF, LLC trading as Visions Ultra Lounge, 1718 E. Main St., Richmond, Virginia 23223-6960 is applying to the VIRGINIA DEPARTMENT OF ALCOHOLIC BEVERAGE CONTROL (ABC) for a Wine and Beer On Premises; Mixed Beverage Restaurant license to sell or manufacture alcoholic beverages. Fauzia Farooque, President. NOTE: Objections to the issuance of this license must be submitted to ABC no later than 30 days from the publishing date of the first of two required newspaper legal notices. Objections should be registered at www.abc.virginia.gov or 800-552-3200.

LEGAL NOTICES

LEGAL NOTICES

Public Input Solicited for Regional Solid Waste Management Plan Amendment

The Central Virginia Waste Management Authority (CVWMA) requests input from all interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public will have the opportunity to comment on the proposed amendment to the Plan at 9:00 a.m. November 15, 2013 at the Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting. The meeting will be held in the conference room at 2104 West Laburnum Avenue, Richmond, VA 23227. The proposed SWMP amendment will define expansion plans for The East End Landfill (TEEL) located at 1820 Darbytown Road, Richmond, Virginia (in the County of Henrico). All interested parties are encouraged to review the 2004-2024 Central Virginia Solid Waste Management Plan. Copies are available at the CVWMA offices, 2100 West Laburnum Avenue, Suite 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 9211 Forest Hill Avenue, Suite 200, Richmond, VA 23235 and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA.

Citizens may also submit written comments prior to the public meeting but no later than November 15, 2013 to Mr. Richard Nolan, CVWMA, 2100 W. Laburnum Ave. Suite 105, Richmond, Virginia 23227; or by e-mail to r.nolan@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.



CENTRAL VIRGINIA
WASTE MANAGEMENT AUTHORITY

2100 West Laburnum Avenue, Suite 105, Richmond, Virginia 23227 . 804/359-8413 . Fax 804/359-8421 . www.cvwma.com

January 28, 2014

Mr. Ron DiFrancesco, Jr., P.E., Associate and Senior Consultant
Ms. Terri C. Phillips, P.G., Principal and Senior Consultant
Golder Associates
2108 W. Laburnum Avenue, Suite 200
Richmond VA 23227

RE: The East End Landfill, Permit No. 524
Request for an Amendment to the Central Virginia Solid Waste Management Plan

Dear Mr. DiFrancesco and Ms. Phillips:

I write in response to your September 6, 2013 letter requesting a major amendment to the Central Virginia Solid Waste Management Plan ("Plan") to note an increase in C/D/D waste design capacity and acreage boundary at The East End Landfill ("Requested Amendment"). As you know, Central Virginia Waste Management Authority ("CVWMA"), in conjunction with the Richmond Regional Planning District and the Crater Planning District, oversee the Plan.

Thank you and your team for the information submitted with this Requested Amendment as well as at CVWMA's November 15, 2013 and January 24, 2014 Board of Directors' meetings. However, pursuant to Va. Code Section 10.1-1408.1, 9VAC 20-130-175, and Plan Section 8.7, after reviewing this information, along with information submitted and presented by others, CVWMA's Board of Directors has determined the Requested Amendment is inconsistent with the local and regional solid waste needs at this time, and thus decided not to incorporate the Requested Amendment into the Plan. Accordingly, pursuant to Plan Section 8.7, Richmond Regional and Crater Planning District Commissions do not need to consider the Requested Amendment.

In addition, CVWMA staff has been directed to review TEEL's other requested minor amendments to the Plan (i.e. noting the consolidation of the Darbytown Road Landfill and Simon's Hauling facilities and identifying TEEL's permit modification application as pending with the Department of Environmental Quality) for potential inclusion in CVWMA's 5 year review and update of the Plan in 2014. Should you have any questions, please do not hesitate to contact me.

Sincerely,

Kimberly A. Hynes
Executive Director





**CENTRAL VIRGINIA
WASTE MANAGEMENT AUTHORITY**

2100 West Laburnum Avenue, Suite 105, Richmond, Virginia 23227 . 804/359-8413 . Fax 804/359-8421 . www.cvwma.com

cc. Stephen E. Chidsey, CVWMA Board Chair
Rich Nolan, CVWMA Director of Operations
Mike Monroe, Chief Executive Officer, TEEL
Ernie DeCasper, Chief Operating Officer, TEEL
Darrin Hinderliter, Director of Landfill Operations, TEEL
Harry Gregori, Chief Compliance Officer, TEEL
Ben Blankenship, Zoning Division Manager, Henrico County
Mike Murphy, Regional Director, DEQ Piedmont Regional Office



Appendix R

Amendment 8

Major Amendment for Ashcake Road Landfill

Richmond Times-Dispatch

Advertising Affidavit

RECEIVED

SEP 14 2015

CENTRAL VIRGINIA WASTE
MANAGEMENT AUTHORITY

300 E. Franklin Street
Richmond, Virginia 23219
(804) 649-6208

Account Number

3013740

Date

September 10, 2015

CENTRAL VA WASTE MANAGEMENT
2100 WEST LABURNUM AVENUE SUITE 105
RICHMOND, VA 23227

Date	Category	Description	Ad Size	Total Cost
09/16/2015	Meetings and Events	Public Input Solicited for Regional Solid Waste Management P	2 x 0 L	201.20

Public Input Solicited for Regional Solid Waste Management Plan Amendment

The Central Virginia Waste Management Authority (CVWMA) requests input from all interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public will have the opportunity to comment on the proposed amendment to the Plan at 9:00 a.m. September 18, 2015 at the Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting. The meeting will be held in the large conference room at 2104 West Laburnum Avenue, Richmond, VA 23227. The proposed SWMP amendment will define expansion plans for the Ashcake Road Landfill located at 19022 Ashcake Rd, Ashland, VA 23005 (in the County of Hanover).

All interested parties are encouraged to review the 2014-2034 Central Virginia Solid Waste Management Plan. Copies are available at www.cvwma.com or the CVWMA office, 2100 West Laburnum Avenue, Suite 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 9211 Forest Hill Avenue, Suite 208, Richmond, VA 23235 and at the Crater Planning District Commission Office, 1364 Wakefield Avenue, Petersburg, VA 23805.

Citizens may also submit written comments prior to the public meeting but no later than September 18, 2015 to Mr. Richard Nolan, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to rnolan@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.

Publisher of the Richmond Times-Dispatch

This is to certify that the attached Public Input Solicited fo was published by the Richmond Times-Dispatch, Inc. in the City of Richmond, State of Virginia, on the following dates:

09/10/2015

The First insertion being given ... 09/10/2015

Newspaper reference: 0000213750

Sworn to and subscribed before me this

September 11 2015

Kimberly B Harris

Notary Public

Jack Moore

Supervisor

State of Virginia
City of Richmond
My Commission expires

KIMBERLY B HARRIS
NOTARY PUBLIC
Commonwealth of Virginia
356753
My Commission Expires Jan 31, 2017

THIS IS NOT A BILL. PLEASE PAY FROM INVOICE. THANK YOU

There were no oral or written comments received by the CVWMA before or after at the public hearing September 18, 2015.

Resolutions from CPDC, RRPDC and CVWMA authorizing submittal of amendment and VA
DEQ approval letter:

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: 804-732-8972 • E-MAIL: info@craterpdc.org • WEBSITE: www.craterpdc.org
Dennis K. Morris, Executive Director

RESOLUTION OF THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF MAJOR AMENDMENT #8 TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, the plan horizon covers the 20-year period from 2014 through the year 2034; and,

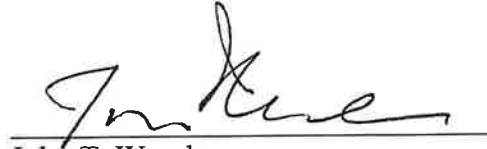
WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan originally on August 20, 2004 and the most recent update on May 13, 2015; and,

WHEREAS, the Central Virginia Waste Management Authority Board of Directors has reviewed and approved the amendment request at its regular meeting of September 18, 2015 to modify the Plan to reflect the proposed expansion of the Ashcake Road Landfill (CDD Landfill) located at 10022 Ashcake Road, Ashland VA (Hanover County)

NOW, THEREFORE, BE IT RESOLVED that the Crater Planning District Commission, this 8th day of October, 2015, formally approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Dennis K. Morris
Executive Director



John T. Wood
Chairman

October 8, 2015

Date

October 8, 2015

Date



RICHMOND REGIONAL PLANNING DISTRICT COMMISSION

9211 FOREST HILL AVENUE, SUITE 200
RICHMOND, VIRGINIA 23235
(804) 323-2033

**RESOLUTION
OF THE
RICHMOND REGIONAL PLANNING DISTRICT COMMISSION
RECOMMENDING ADOPTION OF
MAJOR AMENDMENT #8
TO THE
CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN**

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991; and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond; the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George; and the Town of Ashland; and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling; and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and

WHEREAS, the plan horizon covers the 20-year period from 2014 through the year 2034; and


WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan originally on August 20, 2004 and the most recent update on May 13, 2015; and

WHEREAS, the Central Virginia Waste Management Authority Board of Directors has reviewed and approved the amendment request at its regular meeting of September 18, 2015 to modify the Plan to reflect the proposed expansion of the Ashcake Road Landfill (CDD Landfill) located at 10022 Ashcake Road, Ashland VA (Hanover County);


WWW.RICHMONDREGIONAL.ORG

TOWN OF ASHLAND CITY OF RICHMOND COUNTY OF CHARLES CITY COUNTY OF CHESTERFIELD
COUNTY OF GOOCHLAND COUNTY OF HANOVER COUNTY OF HENRICO COUNTY OF NEW KENT COUNTY OF POWHATAN

NOW, THEREFORE, BE IT RESOLVED that the Commission approves the Major Amendment #8 to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.



Barbara V. Jacocks
Interim Executive Director



David T. Williams
Chairman

10/8/15

Date

RESOLUTION 16-02

A resolution approving Amendment #8 to the Central Virginia Solid Waste Management Plan to include an expansion of capacity of the Ashcake Road Landfill located in Hanover County and directing the transmittal of the Proposed Amendment #8 to the Richmond Regional and Crater Planning District Commissions for review and consideration.

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, the plan horizon covers the 20-year period from 2014 through the year 2034; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004 and the most recent update on May 13, 2015; and,

WHEREAS, the Central Virginia Waste Management Authority has reviewed the amendment request and prepared a major amendment (amendment 8) to the Plan in accordance with 9 VAC 20-130-10 et seq, as outlined in Chairman's Agenda Item No. 5 of the September 2015 Board Agenda to modify the Plan to reflect the proposed expansion of the Ashcake Road Landfill (CDD Landfill) located at 10022 Ashcake Road, Ashland VA (Hanover County); and,

THEREFORE, BE IT RESOLVED that the Central Virginia Waste Management Authority Board of Directors approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Authority to transmit, upon approval, the Proposed Amendment to the Richmond Regional and Crater Planning District Commissions for review and consideration.

Adopted this 18th of September 2015

ATTEST: 
Robert C. Key, Chairman



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

Fax: 804-698-4019 - TDD (804) 698-4021

www.deq.virginia.gov

David K. Paylor
Director

(804) 698-4020
1-800-592-5482

Molly Joseph Ward
Secretary of Natural Resources

August 3, 2016

Ms. Kimberly Hynes
Executive Director, CVWMA
2100 West Laburnum Avenue, Suite 105
Richmond, Virginia 23227

Re: Approval of Amendments 8 and 9 (Major) to the Central Virginia Waste Management Authority (CVWMA) Solid Waste Management Plan

Dear Ms. Hynes:

I am pleased to inform you that Amendments 8 and 9 to the Solid Waste Management Plan for the Central Virginia Waste Management Authority (CVWMA) dated October 26, 2015 and October 30, 2015, respectively, along with additional information submitted on March 28, 2016, April 5, 2016, May 6, 2016, and July 28, 2016, are hereby approved.

Major Amendment 8 addresses the increase in capacity of the Ashcake Road Landfill (Permit No. 574) in Hanover County. The amendment is applicable to Page 25 (Table 2), Page 30 (Section 4.2.3.1.3), and Appendix T (public notice, public comments, and resolutions).

Major Amendment 9 addresses the closure of the Springfield Road Landfill (Permit No. 545) in Henrico County. The amendment is applicable to Page 24 (Section 4.2.3), Page 25 (Table 2), Pages 27-28 (Section 4.2.3.1), and Appendix U (public notice, public comments, and resolutions).

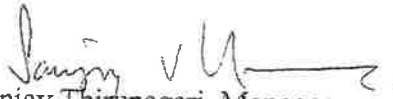
The Virginia Department of Environmental Quality (the Department) has completed its review and processing of the submitted Major Amendments 8 and 9 to the Central Virginia Waste Management Authority (CVWMA) Solid Waste Management Plan as required by the Solid Waste Planning and Recycling Regulations, 9VAC20-130-175. This update should be considered as part of the Solid Waste Planning Unit's approved plan. All Solid Waste Planning Units are required to maintain current plans, including any updates submitted to the Department.

Solid Waste Management Plan
Central Virginia Waste Management Authority
Amendments 8 & 9
August 3, 2016

This letter should not be considered a legal opinion or case decision as defined by the Administrative Process Act, Virginia Code § 2.2-4400 et seq.

Thank you for your efforts and cooperation in this matter. If you have any questions, please contact Prina Chudasama at (804)698-4159 or via email at prina.chudasama@deq.virginia.gov.

Sincerely,



Sanjay Thirunagari, Manager
Office of Financial Responsibility & Waste Programs
Division of Land Protection and Revitalization

Enclosures

cc: Prina Chudasama, VDEQ, CO
Jason Miller, VDEQ, PRO

Appendix S

Amendment 9

Major Amendment for Springfield Road Landfill

RECEIVED

Account Number

3013740

SEP 14 2015

300 E. Franklin Street
Richmond, Virginia 23219
(804) 649-6208

Date

September 10, 2015

CENTRAL VA WASTE MANAGEMENT
2100 WEST LABURNUM AVENUE SUITE 105
RICHMOND, VA 23227

Date	Category	Description	Ad Size	Total Cost
09/16/2015	Meetings and Events	Public Input Solicited for Regional Solid Waste Management P	2 x 0 L	201.20

Public Input Solicited for Regional Solid Waste Management Plan Amendment

The Central Virginia Waste Management Authority (CVWMA) requests input from all interested parties as to the development of an amendment to the regional Solid Waste Management Plan (SWMP). The public will have the opportunity to comment on the proposed amendment to the Plan at 9:00 a.m. September 18, 2015 at the Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting. The meeting will be held in the large conference room at 2104 West Laburnum Avenue, Richmond, VA 23227. The proposed SWMP amendment will define closure plans for the Springfield Road Landfill located at 10650 Fords Country Lane, Glen Allen 23060 (in the County of Henrico).

All interested parties are encouraged to review the 2014-2014 Central Virginia Solid Waste Management Plan. Copies are available at www.cvwma.com, or the CVWMA office, 2100 West Laburnum Avenue, Suite 105, Richmond, VA; at the Richmond Regional Planning District Commission office, 9211 Forest Hill Avenue, Suite 200, Richmond, VA 23235 and at the Crater Planning District Commission Office, 1964 Wakefield Avenue, Petersburg, VA 23805.

Citizens may also submit written comments prior to the public meeting but no later than September 18, 2015 to Mr. Richard Nolan, CVWMA, 2100 W. Laburnum Ave, Suite 105, Richmond, Virginia 23227; or by e-mail to rinplan@cvwma.com. These comments will become part of the permanent record and be considered in the development of the amendment.

Publisher of the Richmond Times-Dispatch

This is to certify that the attached Public Input Solicited for was published by the Richmond Times-Dispatch, Inc. in the City of Richmond, State of Virginia, on the following dates:

09/10/2015

The First insertion being given ... 09/10/2015

Newspaper reference: 0000213754

Sworn to and subscribed before me this

September 11 2015

Kimberly B Harris
Notary Public

Jack Hume
Supervisor

State of Virginia
City of Richmond
My Commission expires _____

KIMBERLY B HARRIS
NOTARY PUBLIC
Commonwealth of Virginia
356753
My Commission Expires Jan 31 2017

There were no oral or written comments received by the CVWMA before, during, or after at the public hearing September 18, 2015.

Resolutions from CPDC, RRPDC and CVWMA authorizing submittal of amendment and VA
DEQ approval letter:



RICHMOND REGIONAL PLANNING DISTRICT COMMISSION

9211 FOREST HILL AVENUE, SUITE 200
RICHMOND, VIRGINIA 23235
(804) 323-2033

RESOLUTION OF THE RICHMOND REGIONAL PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF MAJOR AMENDMENT #9 TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991; and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland; and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling; and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and

WHEREAS, the plan horizon covers the 20-year period from 2014 through the year 2034; and

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan originally on August 20, 2004 and the most recent update on May 13, 2015; and


WHEREAS, the Central Virginia Waste Management Authority Board of Directors has reviewed and approved the amendment request at its regular meeting of September 18, 2015 to modify the Plan to reflect the closure of the Springfield Road Landfill located at 10600 Fords Country Lane, Glen Allen VA in Henrico County;


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TOWN OF ASHLAND CITY OF RICHMOND COUNTY OF CHARLES CITY COUNTY OF CHESTERFIELD
COUNTY OF GOOCHLAND COUNTY OF HANOVER COUNTY OF HENRICO COUNTY OF NEW KENT COUNTY OF POWHATAN

10/8/15

NOW, THEREFORE, BE IT RESOLVED that the Richmond Regional Planning District Commission approves the Major Amendment #9 to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.


Barbara V. Jacocks
Interim Executive Director


David T. Williams
Chairman

10/8/15
Date

CRATER PLANNING DISTRICT COMMISSION

Monument Professional Building • 1964 Wakefield Street • Post Office Box 1808 • Petersburg, Virginia 23805
PHONE: (804) 861-1666 • FAX: 804-732-8972 • E-MAIL: info@craterpdc.org • WEBSITE: www.craterpdc.org
Dennis K. Morris, Executive Director

RESOLUTION OF THE CRATER PLANNING DISTRICT COMMISSION RECOMMENDING ADOPTION OF MAJOR AMENDMENT #9 TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS, Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

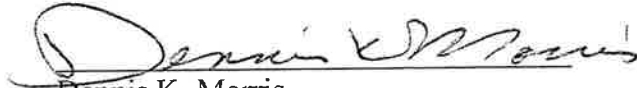
WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,


WHEREAS, the plan horizon covers the 20-year period from 2014 through the year 2034; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan originally on August 20, 2004 and the most recent update on May 13, 2015; and,

WHEREAS, the Central Virginia Waste Management Authority Board of Directors has reviewed and approved the amendment request at its regular meeting of September 18, 2015 to modify the Plan to reflect the closure of the Springfield Road Landfill located at 10600 Fords Country Lane, Glen Allen VA in Henrico County; and,

NOW, THEREFORE, BE IT RESOLVED that the Crater Planning District Commission, this 8th day of October, 2015, formally approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Central Virginia Waste Management Authority to submit the amendment to the Virginia Department of Environmental Quality for approval.


Dennis K. Morris
Executive Director


John Wood
Chairman

October 8, 2015
Date

October 8, 2015
Date

RESOLUTION 16-03

A resolution approving Amendment #9 to the Central Virginia Solid Waste Management Plan to include the closure of the Springfield Road Landfill located in Henrico County and directing the transmittal of the Proposed Amendment to the Richmond Regional and Crater Planning District Commissions for review and consideration.

WHEREAS in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg, and Richmond, the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George and the Town of Ashland, and

WHEREAS Section 9 VAC 20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration, and landfilling, and

WHEREAS, the Richmond Regional Planning District Commission and the Crater Planning District Commission are designated as the entities responsible for the development and maintenance of a solid waste management plan for the central Virginia region; and,

WHEREAS, the Central Virginia Waste Management Authority is the legal entity responsible for the implementation of the plan; and,

WHEREAS, the plan horizon covers the 20-year period from 2014 through the year 2034; and,

WHEREAS, the Virginia Department of Environmental Quality approved the Central Virginia Solid Waste Management Plan August 20, 2004 and the most recent update on May 13, 2015; and,

WHEREAS, the Central Virginia Waste Management Authority has reviewed the amendment request and prepared a major amendment (amendment 9) to the Plan in accordance with 9 VAC 20-130-10 et seq as outlined in Chairman's Agenda Item No. 6 of the September 2015 Board Agenda to modify the Plan to reflect the closure of the Springfield Road Landfill located at 10600 Fords Country Lane, Glen Allen VA (Henrico County); and,

THEREFORE, BE IT RESOLVED that the Central Virginia Waste Management Authority Board of Directors approves the major amendment to the Central Virginia Solid Waste Management Plan and authorizes the Authority to transmit, upon approval, the Proposed Amendment to the Richmond Regional and Crater Planning District Commissions for review and consideration.

Adopted this 18th of September 2015

ATTEST: _____
Robert C. Key, Chairman



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

Fax: 804-698-4019 - TDD (804) 698-4021

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4020
1-800-592-5482

August 3, 2016

Ms. Kimberly Hynes
Executive Director, CVWMA
2100 West Laburnum Avenue, Suite 105
Richmond, Virginia 23227

Re: Approval of Amendments 8 and 9 (Major) to the Central Virginia Waste Management Authority (CVWMA) Solid Waste Management Plan

Dear Ms. Hynes:

I am pleased to inform you that Amendments 8 and 9 to the Solid Waste Management Plan for the Central Virginia Waste Management Authority (CVWMA) dated October 26, 2015 and October 30, 2015, respectively, along with additional information submitted on March 28, 2016, April 5, 2016, May 6, 2016, and July 28, 2016, are hereby approved.

Major Amendment 8 addresses the increase in capacity of the Ashcake Road Landfill (Permit No. 574) in Hanover County. The amendment is applicable to Page 25 (Table 2), Page 30 (Section 4.2.3.1.3), and Appendix T (public notice, public comments, and resolutions).

Major Amendment 9 addresses the closure of the Springfield Road Landfill (Permit No. 545) in Henrico County. The amendment is applicable to Page 24 (Section 4.2.3), Page 25 (Table 2), Pages 27-28 (Section 4.2.3.1), and Appendix U (public notice, public comments, and resolutions).

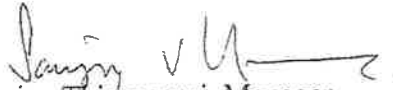
The Virginia Department of Environmental Quality (the Department) has completed its review and processing of the submitted Major Amendments 8 and 9 to the Central Virginia Waste Management Authority (CVWMA) Solid Waste Management Plan as required by the Solid Waste Planning and Recycling Regulations, 9VAC20-130-175. This update should be considered as part of the Solid Waste Planning Unit's approved plan. All Solid Waste Planning Units are required to maintain current plans, including any updates submitted to the Department.

Solid Waste Management Plan
Central Virginia Waste Management Authority
Amendments 8 & 9
August 3, 2016

This letter should not be considered a legal opinion or case decision as defined by the Administrative Process Act, Virginia Code § 2.2-4400 et seq.

Thank you for your efforts and cooperation in this matter. If you have any questions, please contact Prina Chudasama at (804)698-4159 or via email at prina.chudasama@deq.virginia.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Sanjay Thirunagari", followed by a horizontal line.

Sanjay Thirunagari, Manager
Office of Financial Responsibility & Waste Programs
Division of Land Protection and Revitalization

Enclosures

cc: Prina Chudasama, VDEQ, CO
Jason Miller, VDEQ, PRO

Appendix T

Survey of Jurisdiction Waste Practices for CVWMA Solid Waste Management Plan 2019

**SURVEY OF JURISDICTION WASTE PRACTICES FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. **Odor at the nearby landfill in Petersburg is a critical issue, and a multi-jurisdictional one at that. CFS' inability or unwillingness to control the stench amounts to a collective black eye, not only for them but also for DEQ, CVWMA and the adjacent localities. The public relations damage is already done. The public's expectation is that there should be no off-site odors. A serious investment of time and money by CFS is past due. They must do a better job of mitigating the nuisance. What if any, products/waste streams would you handle differently? May have to revise recycling programs due to disruption in the markets for recyclable materials. What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of? May need to change how and what materials are collected and processed if disruption continues as it appears it will. Service changes may need to be considered as has been done in other jurisdictions in the U.S.**
2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? **No, unless changes to recycling program causes changes to solid waste collection and disposal.** Do you anticipate changes in your collection done by public or private personnel and if so how? **No, again unless changes to recycling programs necessitate it.** Do you anticipate changes to your disposal by public or private landfill and if so how? **No.**
3. Do you have sufficient capacity? **Yes.** Do you anticipate any additional solid waste management facilities - collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction? **No.**
4. What expansion do you anticipate to existing solid waste management and recycling programs? **None.**
5. Are there additional technologies or programs not currently in operation or available in your locality to be explored? **Drug deactivation**
6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?
 - **Eliminate odor problems at Petersburg Landfill**
 - **Consider cooperative purchasing for multiple jurisdictions.**
 - **More emphasis on sustainable operations in the solid waste and recycling system**
 - **Collect MSW and recyclables on same day of week**
 - **More educational focus on waste prevention and product stewardship**
 - **Disseminate more information about deactivating drugs prior to entering waste stream**

- Person completing survey:**
- | | |
|----------------------|---|
| Name: | William E. “Chuck” Henley, P.E. |
| Position: | Director of Public Works/City Engineer |
| Date: | June 11, 2018 |
| Jurisdiction: | City of Colonial Heights |

**SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
OCTOBER 2018**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What, if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways to collect, store, transport, recycle and/or dispose of?

No current issues with solid waste management activities in Henrico County.

Yard waste (vegetative waste, loose leaves, bagged leaves) continues to be an operational issue in Henrico County. There are large quantities of these items with little market for disposal. The Henrico County Solid Waste Division (1) grinds any vegetative waste received and gives it away to the public, (2) grinds any vegetative waste and has contractor remove, or (3) hauls vegetative waste to Gillies Creek Recyclers. Vacuumed leaves are hauled to Watkins Nursery, which is a long distance for our County collection vehicles, while bagged leaves are landfilled at the Old Dominion Landfill.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel, and if so, how? Do you anticipate changes to your disposal by public or private landfill, and if so, how?

We do not expect any changes to our current method of collection and disposal of municipal solid waste.

We do not expect any significant change in the volume our refuse collection department collects.

We do not expect any significant change in collection by public or private personnel.

We do not anticipate any changes to disposal by public or private landfill.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities, etc., in your jurisdiction?

Based on the disposal capacity in the current Solid Waste Management Plan, Henrico County has sufficient regional landfill capacity to meet our needs for the next 20 years. Henrico County does not anticipate the need for any additional solid waste facilities (other than a transfer station at our Charles City Road Public Use Area per below) to be in our jurisdiction as long as the Old Dominion Landfill remains open through the projected 2035 calendar year. Should the Old Dominion Landfill close on or before calendar year 2035, the County will need approximately 95,000 tons of regional MSW disposal capacity each year. Of the 95,000 tons, 80,000 tons are needed for the Henrico County Solid Waste Division, while the remaining 15,000 tons would be needed for Henrico County General Government.

A transfer station will be needed at the Charles City Road Public Use Area. This may include recycling and yard waste management facilities.

An organic waste (Class B Biosolids and yard waste) processing facility should be included in the solid waste management plan for the Henrico Water Reclamation Facility (WRF).

The Henrico County WRF will continue to dispose of 40,000 – 45,000 tons of biosolids each year. Currently, 20% of the biosolids are landfilled each year with the remaining 80% being land applied. The WRF expects this tonnage to increase by 1,000 tons each year (at the end of the 20-year solid waste planning period, we expect to be at 60,000 – 65,000 tons produced annually).

4. What expansion do you anticipate to existing solid waste management and recycling programs?

No expansion other than through normal population growth.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

Methods and other technologies for solid waste disposal other than landfilling.

Methods and other technologies relating to glass recycling.

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

None.

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

2020 – 349,665

2025 – 372,559

2030 – 396,951

2035 – 422,939

2040 – 450,630

Person completing survey:

Name:

Jon Clay

Position:

Division Director

Date:

10-19-18

Jurisdiction:

Henrico County

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

* OPERATIONAL ISSUES AT RFS/TRI CITY REGIONAL LANDFILL -
ODOR & TRACKING MUO/DIRT ONTO SURROUNDING ROADS.
* WOULD LIKE TO SEE A BETTER OPTION FOR LEAF DISPOSAL.
MAYBE COMPOSTING.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

DON'T ANTICIPATE ANY CHANGES.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

• WE HAVE SUFFICIENT CAPACITY AT CFS/TRI CITY REGIONAL LANDFILL WITH EXPANSIONS THE LANDFILL IS PLANNING.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

DON'T ANTICIPATE EXPANSION OF THESE PROGRAMS.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

Not At This Time

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

No

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

USE CVWMA METHOD.

Person completing survey: Name William Riggelman

Position: ENGINEER CONSTRUCTION MANAGER

Date: APRIL 11, 2018

Jurisdiction: CITY OF PETERSBURG

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

The City of Hopewell's landfill is closed. No MSW has been collected there since 1993. We do not anticipate any changes in our current disposal services.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

There will be no change to current method of collection and disposal.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

The City of Hopewell landfill closed in 1993. We don't anticipate any additional facilities.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

There are no expansion plans to SWM or recycling programs.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

There are no known technologies or programs that need to be explored.

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

We do not have any additional recommendations to be considered in the update of the current SWMP.

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

Population estimates are adequate.

Person completing survey: Name: Monique G. Robertson

Position: Support Services Manager

Date: May 16, 2018

Jurisdiction: City of Hopewell

SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways to collect, store, transport, recycle and/or dispose of?
 - Yes, Countywide Residential pick-up at Homes.
 - Availability of County using recycling at driveways.
 - Geographical Map showing coverage areas.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?
 - No Changes.
 - Looking to advance Driveway pick-up for Entire County.
 - If picked up, volume would increase.
 - More Residential Development in future.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities, etc. in your jurisdiction.
 - Unsure of sufficient capacity. However, we would like to add additional “Collection Stations” throughout the County.

4. What expansion do you anticipate to existing solid waste management and recycling programs?
 - Which providers would expand throughout the entire County.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

- Not aware of such programs.

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

- County-wide collection opportunities.
- How to help businesses return on investment so they can provide solid waste and recycling in all communities.

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

Person completing survey:

Name: Michael Purvis

Position: Director of General Services

Date: 5/3/18

Jurisdiction: Prince George County

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

Any operational needs that exist are due primarily to equipment and staffing levels at our respective Convenience Centers. We are seeking to address these issues through identifying both operational and capital funds. Examples include new equipment such as backhoes as well as adding additional staff to meet citizen and customer demand.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

It is anticipated that we will see a demand increase for services in the eastern portion of Goochland County, directly tied toward population growth. We currently have funds identified in the CIP to construct some form or type of Convenience Center for the eastern portion of the County.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

At this time we have sufficient capacity as long as equipment runs and works as it should.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

See #2

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

Nothing that I am aware of.

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

N/A

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

Person completing survey: Name Derek Stamey

Position: ____Deputy County Administrator for Operations

Date: ____3/8/19

Jurisdiction: Goochland County

Population: Projections 2017-2040

**SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

There are no current operational issues that merit attention.

None

Powhatan County does not currently offer any vegetative debris disposal/recycling. We may explore this option to gauge if there is desire, by the citizens, to incorporate vegetative debris disposal/recycling in our services.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

No changes are anticipated to current method of collection and disposal of municipal solid waste.

There may be a slight increase in volume, but only associated with anticipated population growth.

As the county develops and the density of residential development increases, the private sector is more inclined to provide solid waste disposal and collection services.

Not changes are anticipated.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

There is sufficient landfill capacity in the current solid waste management plan and we do not anticipate the need for any future capacity in the planning horizon.

We are in the initial planning stages of building a second solid waste and recycling convenience center in the county. We do not anticipate the new convenience center would increase the volume of solid waste and recycling but would just divert some of the existing volume from our existing facility.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

There is no anticipated expansion to the existing programs.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

None

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

None

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

We use Weldon Cooper population projections.

Person completing survey: Name Johnny Melis

Position: Utilities Manager

Date: March 7, 2019

Jurisdiction: Powhatan County

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/ waste streams would you handle differently? What additional products/ waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/ or dispose of?

There are currently no operational issues with solid waste management activities in Chesterfield County. Additional waste streams for future collection and disposal research include bulk food waste and Styrofoam.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

Chesterfield County does not anticipate any changes in the current method of collection and disposal for municipal solid waste (MSW) and recyclables. Chesterfield County will continue to operate the two convenience centers for consumer MSW and drop-off recyclables, and rely upon private waste haulers to provide curbside MSW collection services for its residents.

Chesterfield County entered into a ten (10) year contract with Virginia Waste Services in July 2013 to provide waste disposal services from the two County-owned convenience centers. (Note: This contract was transferred to County Waste in 2016). In October 2017, to gain operational efficiencies, Chesterfield County began to self-perform hauling operations to the Shoosmith Brothers Landfill.

Curbside collection of recyclables in Chesterfield County will continue to be completed by a private hauler. In May 2014, the CVWMA entered into a nine (9) year contract with the Tidewater Fibre Corporation to provide curbside recyclable collection services in Chesterfield County.

With the increasing Chesterfield County population and the decreasing capacity of local landfill space within the next ten (10) years, the construction of a new transfer station and/or convenience center will need to be explored for the western section of the county (see attached table).

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities— collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

See 2 above.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

See 2 above.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

See excerpt from Entsorga website (<http://www.entsorgawv.com/>) for a potential regional project:

"Entsorga West Virginia is a joint venture between Apple Valley Waste Technologies, Inc., Entsorga Italia S.p.A., and Centex Global N.V. The new state-of-the-art facility, located in Martinsburg, WV, is the first resource recovery facility in the United States that will utilize Entsorga Italia's proprietary HEBioT mechanical biological treatment ("MBT") system.

By utilizing the HEBioT MBT system, Entsorga WV will recover bio-mass, plastics and other carbon-based materials from the mixed municipal solid waste (MSW) stream and convert them into a safe alternative fuel source. When collecting these sources of MSW, Entsorga WV will remove other valuable recyclable commodities such as metals and glass from the HEBioT receiving stream and put them into the local municipality recycling stream. This is in conjunction with the Berkeley County Recycling program that is already in place. Together this will increase recycling rates for the municipality.

The MSW received will be converted to a clean burning alternative fuel (Solid Recovered Fuel or SRF) which will be used by large energy users as an alternative or supplement to fossil fuels. It is ideal for co-processing (cement plants, steel mills) for the production of renewable energy use in coal/oil burning power plants or for the production of renewable energy."

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

There are no additional issues, changes, or comments specific to Chesterfield County that we feel the CVWMA should consider in the update of the current SWMP.

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

See attached population estimates from Catherine Bray, Demographer, Planning Department

Person completing survey: **Jeff Howard**

Position: **Environmental Manager, General Services – Waste & Resource Recovery Division**

Date: **April 18, 2018**

Jurisdiction: **Chesterfield County**

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

There tends to be an issue with trash and recycling carts being delivered to new residences in a timely fashion

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

N/A

- 3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?**

N/A

- 4. What expansion do you anticipate to existing solid waste management and recycling programs?**

The Town is exploring the potential of providing recycling service to the downtown business community.

- 5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?**

Curbside electronics recycling

- 6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?**

N/A

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

N/A - The Town of Ashland is included in Hanover County.

Person completing survey: Name Mike Davis

Position: Director of Public Works

Date: March 14, 2018

Jurisdiction: Ashland

Population: Projections 2017-2040

	2010*	2017**	2020**	2025**	2030**	2035**	2040
Charles City County***	7,256	7,151	7,386	7,494	7,602	7,656	9,796
Chesterfield County***	316,236	340,020	349,182	372,311	395,440	415,367	508,307
Goochland County***	21,717	22,705	22,754	24,467	26,180	27,677	30,256
Hanover County***	99,863	106,375	107,716	113,198	118,679	123,230	167,041
Henrico County***	306,935	324,395	333,100	351,277	369,454	384,710	450,630
New Kent County***	18,429	21,709	22,465	24,706	26,946	28,955	27,539
Powhatan County***	28,046	29,166	28,752	32,019	32,567	34,210	43,277
Richmond City***	204,214	222,853	230,720	236,585	242,451	246,525	231,404
Prince George County**	35,725	37,025	38,379	39,598	40,816	41,728	42,460
Colonial Heights City**	17,411	17,320	17,008	17,054	17,100	17,027	16,955
Hopewell City**	22,591	22,817	23,302	23,430	23,557	23,519	23,482
Petersburg City**	32,420	31,705	31,673	31,006	30,338	29,476	28,613
CVWMA Service Area	1,110,843	1,183,241	1,212,437	1,273,145	1,331,130	1,380,080	1,579,760

* U.S. Bureau of the Census

** Estimates from Weldon Cooper Center for Public Service

*** 2040 estimates from the October 2015 - Richmond Regional Socioeconomic Data Analysis 2102-2040

Town of Ashland: Population is included in the population total for Hanover County.

**SURVEY OF JURSDICATION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

Hanover County will be preparing and receiving bids the transportation and disposal of MSW/CCD from its waste management system within the next 5 years. The County will continue to implement policies and systems that enhance storm water management as it relates to solid waste handling methods and procedures. Additional public/private recycling, disposal and special waste options will be continuously evaluated for the County and region.

Hanover County Schools may consider alternate methods of MSW collection in the future.

Regionally, food waste diversion and composting options will continue to be evaluated. Options other than landfilling for final disposal will be examined on a local and regional basis. Material disposal restrictions (bans) and the future of glass/mixed paper recycling and marketing will be evaluated. It is projected that CVWMA will continue to procure and manage numerous regional recycling, collection, processing and disposal contracts.

Disposal options will evaluated for bio-solids.

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

Hanover County anticipates a reduction in MSW within the next year at its 301 Transfer Station. However, local and regional market changes could help to recover MSW tonnages coming into the facility. Hanover County will consider the benefits of some or all direct hauling to disposal locations. Based on economics, Hanover County will consider implementing CDD, inert or other separation at the 301 Transfer Station and/or its convenience centers. Such action may result in CCD waste being disposed at a CDD landfill or other facility.

County Waste Company will be opening a transfer station is the next year in the County. In addition, Hanover County anticipates that private curbside refuse and recycling will continue to expand.

Additional regional contracts may be required for special waste needs as they arise. When current contracts are rebid, higher penalties for non-performance should be added. This applies to yard waste handling as it relates to areas such as 1000 Canker Disease. Regional MSW and CDD capacity are critical as local private landfills continue to close. Capacity needs are critical for all reginal members.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

Hanover County's transfer station hauling and disposal contract ends in 2023 and new contracts will be procured. It is possible that new recycling facilities may be established in the County. CDD capacity appears to be adequate for the next 10 years. A private landfill may be reopened at the closed at the Bear Island paper plant.

County Waste Company is constructing a Transfer Station in Hanover County. There is a need for developing future additional CDD disposal and composting capacity for the region.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

Expansion of regional programs in the area of special wastes may occur. Organics collections and/or processing may be expanded on a regional or local basis. Separated glass drop off sites will be evaluated. CDD recovery should be expanded where possible including processing facilities. Pay As You Throw may be considered as a waste reduction tool.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

MSW and CDD processing should be evaluated to determine if new technologies are available regionally or locally.

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

Regional composting education and distribution of compost bins and rain barrels. Possible regional spill response contract for government transfer stations and convenience centers. Improved tracking of recovered materials utilization from downstream users is required. Transfer Station/landfill tonnage exchanges will be evaluated and implemented as appropriate. Finally assuring sufficient CDD and MSW capacity is available economically to the CVWMA members.

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

N/A

Person completing survey: Name _____ Steve Chidsey _____

Position: _____ Chief of Public Works Operations _____

Date: _____ 8/1/18 _____

Jurisdiction: _____ Hanover County _____

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2019**

1. Are there operational issues with solid waste management activity in your locality that merit attention? If so, please describe. What if any, products/waste streams would you handle differently? What additional products/waste streams do you anticipate a future need to find ways was to collect, store, transport, recycle and/or dispose of?

→ No.

↓
None.

None. ←

2. Please describe any changes you anticipate to your current method of collection and disposal of municipal solid waste. Do you anticipate any significant changes in volume? Do you anticipate changes in your collection done by public or private personnel and if so how? Do you anticipate changes to your disposal by public or private landfill and if so how?

→ None.

↓
Not at
this time.

↓
No.

↓
No.

3. Do you have sufficient capacity? Do you anticipate any additional solid waste management facilities – collection stations, public landfill, private landfills, transfer stations, recycling facilities etc. in your jurisdiction?

Yes.

No.

4. What expansion do you anticipate to existing solid waste management and recycling programs?

None at this time.

5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?

Not at this time.

6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

No.

7. CVWMA will estimate your locality's trash generation based on EPA waste generation rates and population estimates (see attached population projections). If your projections are different from the attached, please provide your projections.

NA.

Person completing survey: Name Brian McClung

Position: Sr. District Mgr. -
Waste Management

Date: 4-10-18

Jurisdiction: Charles City County

Population: Projections 2017-2040

	2010*	2017**	2020**	2025**	2030**	2035**	2040
Charles City County***	7,256	7,151	7,386	7,494	7,602	7,656	9,796
Chesterfield County***	316,236	340,020	349,182	372,311	395,440	415,367	508,307
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* U.S. Bureau of the Census

** Estimates from Weldon Cooper Center for Public Service

*** 2040 estimates from the October 2015 - Richmond Regional Socioeconomic Data Analysis 2102-2040

Town of Ashland: Population is included in the population total for Hanover County.