

**REGION 2000 SERVICES AUTHORITY**  
**SOLID WASTE MANAGEMENT PLAN**  
**2015 UPDATE AND MAJOR AMENDMENT**



Prepared For:  
Region 2000 Services Authority  
And  
Virginia Department of Environmental Quality

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Prepared By:



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## **EXECUTIVE SUMMARY**

The following document has been prepared to address a major amendment to the Region 2000 Services Authority Solid Waste Management Plan (SWMP) dated April 2010 as approved by the Virginia Department of Environmental Quality (VDEQ) on April 29, 2010 and has also been prepared to address the required five year update (9VAC20-130-175.F). The format of this document has been developed to provide VDEQ with a supplemental document referenced back to the original 2010 SWMP which is attached for reference as Appendix 15-16. The section numbers in the body of this document are directly related to the section numbers in the 2010 SWMP.

Except for the amendment items, little has changed in solid waste operations in the Region (now consisting of the City of Lynchburg, and Counties of Appomattox, Campbell, and Nelson and their incorporated towns) since the original SWMP was approved in 2010. The Region 2000 Services Authority (the Authority) continues as the regional planning unit and oversees the disposal operations required for solid waste management in the Region.

Each member jurisdiction continues to be responsible for waste collection and recycling within their jurisdiction as well as the post closure care of previously operated landfills. The Authority provides all reporting in accordance with 9VAC20-130-165 for the planning unit. Each member also supports the financial assurance obligation of the Authority through their local government guarantees as allowed under 9VAC20-70-230.

The Region exceeds the minimum recycling goal of 25%.

The Region, if the major amendment for the lateral expansion is approved, has sufficient disposal capacity under its direct control to last it through approximately 2029. Without the major amendment, the Permit 610 landfill will reach capacity by approximately 2022. The Region is currently considering options for provision of disposal capacity for the remainder of the 20 year planning period (through 2035).



The major amendment has been prepared as required by 9VAC20-130-175 which indicates that major amendments are required with an increase in landfill capacity and any change in membership in the approved regional planning unit (among other items). Below is a description of the amendment components of this submittal:

### **Increase in landfill capacity**

As recorded in the 2010 SWMP, the Region 2000 Services Authority purchased 2,790,332 cubic yards of capacity from Campbell County and re-permitted this capacity as Permit 610. In working with the previous engineering design contours, it was later determined that the actual capacity purchased was 2,804,695 cubic yards or 14,363 cubic yards more than reported in the 2010 document. This “additional capacity” was not a result of a change in design but re-calculated by evaluating the original design. It represents just 0.5% difference in capacity which is within the accuracy of the methodology. This “additional capacity” is not the subject of the major amendment but identified for consistency.

In 2010, after the SWMP was approved, the Authority began a planning exercise to determine if the existing Permit 610 landfill could be modified to increase the capacity of the facility and hence increase its life expectancy. In 2010, a preliminary engineering report indicated that the facility could be modified by using an approximate 6 acre area located between the two permitted phases thereby gaining significant volume and life. In addition, modifications to the Phase III design were also considered (e.g. increased slopes). The Authority proceeded forward with the final design of this “lateral expansion,” and modifications to the original Phase III design and the Part B application was filed with VDEQ on September 23, 2014. The permit for this capacity has not yet been approved pending final technical review and update of the SWMP to incorporate this capacity in the document.

The final design of the lateral expansion increased the fill capacity of the Permit 610 landfill by approximately 2,137,361 cy as determined below:

**Table 1: Additional Capacity with Reconfiguration of Permit 610 Landfill**

<b>ITEM</b>	<b>VOLUME (Cubic yards)</b>
Original purchased capacity	2,804,695
Used through 6/30/14	676,531
Remaining purchased capacity 6/30/14	2,128,164
Total remaining capacity as of 6/30/14 including Part B	4,265,525
Difference between total remaining and remaining purchased capacity	2,137,361

This capacity has been estimated to increase the life expectancy of the Permit 610 landfill by approximately 7 years with the actual life expectancy a function of operations, tonnage, compaction and settlement. The design does not increase the height of the existing permitted landfill or expand the fill area beyond the original Permit 610 facility boundary. Additional information on the design of the lateral expansion can be reviewed at the Region 2000 Services Authority offices at 316 Livestock Road, Rustburg, Virginia.

#### **Change in Membership**

The City of Bedford reverted to town status on July 1, 2013 under a Voluntary Settlement Agreement with Bedford County. In doing so, it withdrew from the Region 2000 Services Authority effective July 1, 2013 with its withdrawal subject to negotiated payments to the Authority. It now uses the Bedford County landfill and is included under the Bedford County Solid Waste Management Plan. The only obligations that it retains with the Region 2000 Services Authority is certain responsibilities relative to financial assurance based on its percentage of tonnage placed in either of the Authority's landfills. Appropriate documentation relevant to this withdrawal is included in Appendix 15-1.

The impact of this withdrawal on solid waste planning for the Authority is minimal as the City/Town delivered less than 2% of the tonnage received at the Authority's facilities.

In the following update, tonnages have been adjusted to recognize the withdrawal of the City of Bedford.

## **Public Participation**

The Solid Waste Planning Regulations specifically 9VAC20-130-130 require a solid waste planning unit to provide opportunities for public participation during plan development and on-going planning activities. The Authority holds quarterly meetings which are open to the public. In attendance at these meetings is typically one if not two representatives from each of the member jurisdictions. Relative to the key amendment item under discussion with this submittal (i.e. the additional capacity in Permit 610) the following table summarizes meetings during which the lateral expansion was discussed in open sessions and also notes specific notifications to adjoining property owners in the vicinity of the Permit 610 landfill:

**Table 2: Public Discussions Relative to the Topic of the Lateral Expansion**

<b>DATE</b>	<b>ACTIVITY</b>
1/27/10	Region 2000 – quarterly meeting – lateral expansion discussed in open session.
4/28/10	Region 2000 – quarterly meeting – lateral expansion discussed in open session.
11/16/10	Region 2000 – neighborhood meeting to discuss reopening of Permit 610 landfill and expansion.
1/13/14	Campbell County BOS provided information on the lateral expansion in their Board packet. No discussion was engaged by the Board during that meeting.
5/5/14	Campbell County signs the Local Government Certification indicating that the lateral expansion is consistent with all local ordinances.
8/27/14	Region 2000 – quarterly meeting – lateral expansion discussed in open session.
9/4/14	Region 2000 – letter to adjoining and other property owners in vicinity of landfill on lateral expansion See letter and list of owners notified in Appendix 15-2.

Although the public has had a significant opportunity to address the Authority relative to the lateral expansion, it has not had a chance to specifically address a major amendment to the SWMP which incorporates the lateral expansion's additional capacity in Permit 610. A thirty-day public comment period was advertised and the Authority held a public hearing on April 22, 2015 (See Section 12.0). The advertisements for the comment period and public hearing are included in Appendix 15-4.

After the public hearing the Authority compiled the results of the hearing, comments received from the public and Authority responses. The minutes from the hearing and comments received from the public were provided to Board members prior to voting on the resolution to approve this amendment and update to the SWMP. This information is included in Appendix 15-4.

The Region 2000 Services Authority addressed the SWMP amendment and passed the resolution accepting this amendment and update at their May 13, 2015 meeting. A copy of the signed resolution is included in Appendix 15-14.

Note that relative to the withdrawal of the Town/City of Bedford, separate resolutions were passed by the member jurisdictions at the time of withdrawal. This information is included in Appendix 15-1.

The following narrative focuses on the 2015 update to the Regional Solid Waste Management Plan and references the major amendment as appropriate.

## 1.0 INTRODUCTION

The following discussion outlines key changes from the 2010 Solid Waste Management Plan:

**Table 3: Section 1 – Comment or changes**

Section	Change to note
1.1	None
1.2	None
1.3	None
1.4	Overview – City of Bedford has withdrawn from the Authority. Any references to the City should be overlooked. Any reference to “five” communities, members or partners should be interpreted as four.
1.5	Background and Planning Area - City of Bedford has withdrawn from the Authority. Any references to the City should be overlooked. Any reference to “five” communities, members or partners should be interpreted as four.
1.6	None
1.7	Planning Period – the planning period will now run from 2015 through 2035.
1.8	None

Figure1 attached in Appendix 15-3 illustrates the current member jurisdictions.

## 2.0 BACKGROUND INFORMATION

This section in the 2010 SWMP referenced information developed by US Environmental Protection Agency (USEPA) on the status of solid waste management nationally. A copy of the latest edition of this report entitled, “*Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures for 2012*” is included in Appendix 15-4 and should be consulted in lieu of the information included in the 2010 SWMP. Per capita generation continues to decrease and is now estimated to be at 4.38 pounds per person per day based on the USEPA methodology. Nationally, recycling rates continue to climb and as of 2012 were estimated to be at 34.5%.

## 3.0 DEMOGRAPHIC DATA

The following table highlights key changes from the 2010 SWMP and cites new information as appropriate:

**Table 4: Section 3 – Comments or changes**

<b>Section</b>	<b>Change to note</b>
3.1	Location - See Figure 1 in Appendix 15-3; City of Bedford has been eliminated.
3.2	Demographics – See Quick Fact Summaries in Appendix 15-5 for information on demographics relative to the regional members; See Appendix 15-6 for a table summarizing population projections and estimated change over planning period.
3.3	Geographic Conditions – no change except to eliminate City of Bedford
3.4	Climate - No change
3.5	Transportation – No change
3.6	Economic Growth – see additional information in Appendix 15-7.

## **4.0 WASTE GENERATION AND COMPOSITION**

This section will provide update information by subsection in the 2010 SWMP.

### **4.1 Introduction**

The information in the 2010 SWMP continues to be generally correct except that the City of Bedford is no longer a member of the Region effective July 1, 2013. At this time, the City of Lynchburg landfill (aka Concord Turnpike Landfill - Permit 558) is under the ownership and operation of the Authority. This facility has reached capacity and is undergoing closure. Final closure is anticipated in FY 2016 with a post closure period to run from 2016 through 2046.

The Campbell County landfill (aka Region 2000 Regional Landfill - Livestock Road Facility - Permit 610) is owned and operated by the Authority. This facility is the sole disposal facility operating within the Region. It is undergoing a permit amendment to incorporate an additional 6 acres of land located between the two existing permitted phases into the design which would provide additional capacity. Without the permit amendment it has been estimated that the landfill will reach capacity by approximately 2022; with the permit amendment the landfill is estimated to reach capacity by approximately 2029. Actual time frames are a function of tonnage, operations, capacity and settlement and can vary significantly.

## **4.2 Historical Tonnage**

Table 1 summarizing historical tonnage by members (FY 2009 through FY 2014) disposed of at the regional facilities is provided in Appendix 15-8. Note that as of FY 2014, the City of Bedford is no longer a member of the Authority and does not use the regional landfill. Tonnage in the Region as measured by delivered tonnage to the regional facilities has generally been decreasing. It is suggested that this is a function of the economy, more recycling, lighter packaging materials, and private collection operations in the commercial sector.

Table 2 included in Appendix 15-8 provides a summary of the total tonnage reported by the Region via the SWIA forms from 2008 through 2013. This reporting is by calendar year.

## **4.3 Projected Tonnage (2015 through 2035)**

Table 3 included in Appendix 15-8 provides tonnage projections for the planning period. Given the limited growth projected for population in the Region, the growth factor used in the 2010 SWMP (0.25%/year) continued to be used in these projections. The City of Bedford has been eliminated from future planning. Projections are made beginning with an assumed value for 2015 based on SWIA reporting. From 2015 through 2035, the annual tonnage is projected to increase from 227,000 tons per year (728 tpd-6) to 239,182 tons per year (767 tpd-6).

## **4.4 Theoretical Waste Generation Projections by Category**

Appendix 15-9 provides an update to the information included in the 2010 SWMP. Note that the assumptions included in the 2010 tables are considered to be still viable. One regional table is provided. Sludge, industrial waste and yard waste are taken from the 2013 SWIA forms.

## **4.5 Remaining Landfill Capacity and Site Life**

### **4.5.1 Lynchburg Landfill (Concord Turnpike Landfill – Permit 558)**

The Lynchburg Landfill (also referred to as the Concord Turnpike Landfill) was purchased by the Authority in FY 2009 and has reached capacity. It is currently undergoing closure. It is anticipated that closure will be completed and certified by VDEQ in FY 2016. The projected post closure care period is 2016 through 2046 (30 years by regulation). The City will maintain a convenience center at the closed landfill. The Authority is responsible for the post closure care of the facility. The

City reimburses the Authority for costs associated with the unlined landfill only used by the City and closed by the City.

#### 4.5.2 Campbell County Landfill (Livestock Road Facility – Permit 610)

The Campbell County Landfill is now identified as the Region 2000 Regional Landfill – Livestock Road Facility (Permit 610). When purchased by the Authority, the landfill was purchased with 2,804,695 cubic yards of remaining permitted capacity. This capacity at current average fill rates would be utilized by approximately 2022. The landfill was configured in two phases – Phase III was partially utilized by Campbell County prior to purchase and Phase IV which has not yet been constructed.

Shortly after purchase the Authority began to examine ways that they could maximize the life of the Permit 610 facility without expanding beyond the existing facility boundary and determined that it was feasible to fill in the “gap” left between these two phases during the original permit design in the 1990s.

In 2010, a preliminary engineering report indicated that the facility could be modified by using an approximate 6 acre area located between the two permitted phases thereby gaining significant volume and life. In addition, modifications to the Phase III design were also considered (e.g. increased slopes). The Authority proceeded forward with the final design of this “lateral expansion,” and modifications to the original Phase III design and the Part B application was filed with VDEQ on September 23, 2014. The permit for this capacity has not yet been approved pending final technical review and update of the SWMP to incorporate this capacity in the document.

The final design of the lateral expansion increased the fill capacity of the Permit 610 landfill by approximately 2,137,361 cy as determined below:



**Table 5: Additional Capacity with Reconfiguration of Permit 610 Landfill**

<b>ITEM</b>	<b>VOLUME (Cubic yards)</b>
Original purchased capacity	2,804,695
Used through 6/30/14	676,531
Remaining purchased capacity 6/30/14	2,128,164
Total remaining capacity as of 6/30/14 including Part B	4,265,525
Difference between total remaining and remaining purchased capacity	2,137,361

This capacity has been estimated to increase the life expectancy of the Permit 610 landfill by 7 years with the actual life expectancy a function of operations, tonnage, compaction and settlement. The design does not increase the height of the existing permitted landfill or expand the outer limits of the original facility boundary.

#### 4.5.3 Appomattox County Landfill

The description in the original SWMP remains generally unchanged. The County has closed their operating landfill and continues to indicate that the capacity in their expansion is not part of any future Regional capacity. The County has rescinded the permit by rule on the baling facility but continues to operate it for recycling.

#### 4.5.4 Life of Regionally Operated Landfills

As indicated under Section 4.5.2 above the remaining life in the Permit 610 landfill (the only operating regional landfill) is 7 years (to approximately 2022) without the lateral expansion or 14 years (to approximately 2029) with the lateral expansion.

#### 4.5.5 Sequencing of Landfills and Timing of New Cell Development

As indicated above the Lynchburg Landfill (Concord Turnpike - Permit 558) has reached capacity and is undergoing closure. At the Livestock Road facility (Permit 610), Phase III has approximately 2 years of life remaining and the Authority is planning to initiate the next phase of construction sometime in FY 2016.

#### **4.6 Additional Materials and Special Wastes**

The 2010 SWMP referenced the 2007 SWIA forms for this section. Appendix 15-10 provides the SWIA form for 2013 for the Permit 558 and Permit 610 landfills.

##### **4.6.1 Waste Generated Outside of the Commonwealth**

There are no changes in this section from the 2010 SWMP. The Region does not accept any waste from outside the Commonwealth in their disposal facility.

#### **4.7 Waste Stream Composition**

The following table provides information on the waste stream composition as reported by the Authority on the SWIA forms for 2013:

**Table 6: 2013 SWIA Reporting – Tonnage Received**

<b>CATAGORY</b>	<b>TONNAGE Permit 610</b>	<b>TONNAGE Permit 558</b>	<b>TOTAL</b>	<b>%</b>
Municipal Solid Waste	145,168	3,330	148,498	67.2 %
Construction/Demolition Debris	10,610	198	10,808	4.9 %
Industrial Waste	32,739	29	32,768	14.8 %
Regulated Medical Waste	0	0	0	0.0 %
Vegetative/Yard Waste	206	470	676	0.3 %
Incinerator Ash	0	0	0	0.0 %
Sludge	21,011	0	21,011	9.5 %
Tires	28	10	38	0.02 %
White goods	10	19	29	0.01 %
Friable asbestos	0	0	0	0.0 %
Petroleum contaminated soils	228	0	228	0.1 %
Other (Inert, industrial slag	6,274	626	6,900	3.2 %
TOTAL	216,274	4,682	220,956	100.0 %

The 2013 SWIA forms are included in Appendix 15-10.

## **5.0 EXISTING SOLID WASTE MANAGEMENT SYSTEM**

### **5.1 Highlights**

#### **5.1.1 System Components**

The following major changes have occurred in this section:

- ◆ The City of Bedford is no longer a member of the Authority.
- ◆ Appomattox County has closed their landfill.
- ◆ Campbell County – no longer operates a landfill. Their landfill was re-permitted as Permit 610 and now under the ownership and operation of the Authority. This facility is currently undergoing a permit amendment for a lateral expansion to increase capacity within the original facility boundary.
- ◆ City of Lynchburg – no longer operates a landfill. The Permit 558 landfill is under the ownership and operation of the Authority. This facility is currently undergoing closure.

The Region 2000 Services Authority now owns and operates the Permit 610 landfill which is the sole operating landfill in the Region. The capacity and anticipated life expectancy of this facility has been discussed previously.

Appendix 15-15 includes the updated Table 5.1 from the 2010 SWMP summarizing the existing system components.

#### **5.1.2 Materials Permitted for Acceptance at Landfill**

No changes in this section.

#### **5.1.3 Materials Not Accepted at Landfill**

No changes in this section.

### **5.2 Regional Recycling rates**

The following table summarizes the Regional recycling rates from 2008 through 2013:

**Table 7:      Region 2000 Planning Region – Recycling Rates 2008 - 2013**

<b>YEAR</b>	<b>RECYCLING RATE (As approved by VDEQ)</b>
2008	32.7 %
2009	32.0 %
2010	32.3 %
2011	38.8 %
2012	31.3 %
2013	38.9 %

Appendix 15-13 includes the reporting information for these years and also includes the 2013 breakout by regional member.

#### 5.2.1      Methodology to Determine Recycling Rates

Appendix 15-11 includes the VDEQ recycling form and instruction for reporting. This replaces the information included in the 2010 SWMP.

### **6.0      SERVICES AUTHORITY OPERATING BUDGET FOR FY 2015**

Appendix 15-12 includes the FY 2015 Region 2000 Services Authority budget which also includes the end of year information for FY 2014. Tipping fees are used to generate revenue for the Authority. The budget is established in accordance with the Member Use Agreement which also includes a “Moral Obligation” for the members to pay their pro rata share of any annual deficit which may occur during the term of the agreement. The agreement runs for 50 years or until all closure and post closure obligations and payment of debt are met.

### **7.0      HIERARCHY**

There are very few changes or modifications needed in the 2015 update of this section of the original 2010 plan. The following table summarizes this section and noteworthy changes or comments:

**Table 8: Section 7 – Comments or Changes**

<b>Section</b>	<b>Changes or Comments to note</b>
7.1	No change.
7.2	No change.
7.3	No change.
7.4	See Appendix 15-13 of this 2015 update for information on recycling rates.
	Section 7.4.2 – Household Hazardous Waste Collection – The Authority now conducts three HHW events per year. See information in Appendix 15-13 relative to the HHW events. Each participating community pays its share of the program costs. The 2013 tonnage collected is included in this appendix also.
	The Region is also sponsoring electronic waste collection events which are combined with the HHW collection events. Information on what is accepted is also included in Appendix 15-13 as well as a summary table of the tonnage collected in 2014.
	Appendix 15-13 also contains examples of on-going educational activities.
7.5	No change.
7.6	Landfilling – See additional information below.
7.7	No change.
	Section 7.7.2 - Expansion of Existing facilities – note that the lateral expansion was suggested as a future option in the original 2010 plan although specifics were not provided.

## **7.6 Landfilling**

The 2010 SWMP discusses the continued use of landfilling for the Region. This section remains generally correct relative to the actions described. As indicated in Section 4.5 of this update, the current landfill if the lateral expansion is not approved will fill within 7 years or by approximately 2022. With the lateral expansion the landfill will gain sufficient capacity to remain open until approximately 2029 although the final time to reach capacity is dependent on operations, tonnage, compaction and settlement of the fill.

Under either scenario, the landfill capacity (with or without the lateral expansion) is less than the 20 year planning horizon. The Region is currently considering options for handling disposal in the future.

## 8.0 GOALS AND OBJECTIVES OF PROGRAM

There are limited changes or modifications needed in the 2015 update of this section of the original 2010 plan. One thing that should be noted when reviewing the 2010 plan is that the City of Bedford is no longer a member of the Region and all references to five members, two cities, or the City directly should be considered in light of this. The following table summarizes this section and noteworthy changes or comments:

**Table 9: Section 8 – Comments or Changes**

Section	Change to note
8.1	Item No. C-1 is completed.
	Item No. C-3 – delete reference to City of Bedford.
8.2	Revised table provided below.
8.3	Revised table provided below.
8.4	No changes.
8.5	Delete reference to five communities and delete Section 8.5.4 (City of Bedford).

### 8.2 Disposal

The following table is provided which replaces the previous table included in the 2010 SWMP.

**Table 10: Table 8-2 SWMP Update – Disposal System Goals and Action Items**

Item No.	Goal	Action Item	Anticipated Schedule	Estimated costs (2015)
D-1	Open Lynchburg Landfill (aka Concord Turnpike Landfill – Permit 558) for regional disposal.	Completed	Completed	NA
D-2	Complete closure and maintain post closure of Permit 558 landfill in environmentally sound manner.	Implement closure and post closure care in accordance with regulations.	Closure – FY 2016 Post closure care: 2016 through 2046	Reference financial assurance on file with VDEQ as updated annually.
D-3	Open Campbell County Regional landfill (aka Livestock Road facility – Permit 610) for regional disposal.	Completed	Completed	On-going operational budget. See Section 6.0.
D-4	Complete closure and maintain post closure of Permit 610 landfill in	Implement closure and post closure care in accordance with regulations.	Determined by rate of fill of Permit 610 landfill and expansion.	Reference financial assurance on file with VDEQ as

Item No.	Goal	Action Item	Anticipated Schedule	Estimated costs (2015)
	environmentally sound manner.			updated annually.
D-5	Expand Permit 610 – lateral expansion – between originally permitted Phase III and Phase IV – within original facility boundary.	Complete permitting in accordance with regulations.	Permit application submitted in 2014. Approval pending.	Included in annual budget.
D-6	Construct existing capacity. (20 – 26 acres depending on approval of lateral expansion)	Bidding and construction by permitted phases. Timing of construction based on fill rate.	With or without permit amendment, bidding and construction of next phase of Permit 610 to be addressed in FY 2016.	Dependent on acreage to be constructed. Construction to be financed.
D-7	Evaluate other options	On-going discussions.	Dependent on fill rate. Alternate needs to be identified by 2020.	Will be included in annual budget as planning needs identified.

### 8.3 Recycling

The following table is provided which replaces the previous table included in the 2010 SWMP.

**Table 11: Table 8-3 SWMP Update – Recycling System Goals and Action Items**

Item No.	Goal	Action Item	Anticipated Schedule	Estimated costs (2015)
R-1	Increase recycling at convenience centers.	Regional coordination of promotion of recycling.	On-going	TBD
R-2	Increase diversion of household hazardous waste (HHW).	Regional coordination of HHW collection events	On-going	TBD
R-3	Maintain or exceed 25% regional recycling rate.	Continue sponsoring education programs in the classroom, utilize special events to	On-going	TBD

Item No.	Goal	Action Item	Anticipated Schedule	Estimated costs (2015)
		promote recycling, provide educational materials to households and businesses, improve website.		
R-4	Increase diversion of electronic waste.	Develop collection events within Region.	On-going	TBD
R-5	Increase diversion of green waste and recyclable materials.	Investigate additional markets for materials.	On-going	TBD
R-6	Increase diversion of ground brush (mulch) from disposal.	Investigate additional markets for mulch.	On-going	TBD

## 9.0 IMPLEMENTATION SCHEDULE

There are no changes to this section required under the 2015 update. The schedule is as outlined in the various programs with future disposal capacity the most critical item as noted in these discussions. It will be critical for the Region to determine their next steps for disposal on or before 2020.

## 10.0 RESOLUTIONS

Section 10.0 in the 2010 SWMP includes the resolutions and documentation required under the regulations for the approval of the Region and the 2010 SWMP. The following table summarizes the information included or to be included in the 2015 SWMP update relative to the modification of the Regional membership and the major amendment. See guidance received from VDEQ contained in Appendix 15-14, relative to the types of resolutions required for the 2015 amendment. The amendment was approved by the Authority by resolution on May 13, 2015. The member jurisdictions will also be provided an opportunity for review and approval.



**Table 12: Section 10 – Changes**

<b>Section</b>	<b>Change to note</b>
10.1	Formation of Solid Waste Planning Entity – the City of Bedford has withdrawn from the Region 2000 Authority (and hence the Region) after reverting to town status. The Town of Bedford is now included in the Bedford County SWMP. Documentation relative to the City/Town’s withdrawal is included in Appendix 15-1.
10.2	No change except the elimination of the City/Town of Bedford. VDEQ is duly notified of this change through the major amendment as part of this update.
10.3	Resolution of Adopting the Regional Solid Waste Management Plan – The major amendment requires formal adoption by the Authority. A copy of the resolution passed by the Authority is included in Appendix 15-14.
10.4	Major Amendment – as indicated in the Executive Summary of this 2015 update the Region is filing a major amendment for the change in membership (withdrawal of the City of Bedford) and the additional capacity of the lateral expansion. A significant number of public meetings have been held relative to the lateral expansion however, a formal public hearing on this major amendment has not. The public hearing for this amendment was held on April 22, 2015 and the documentation associated with this activity is included in Appendix 15-14. The Authority resolution and other information is included in this Appendix.

## 11.0 FUNDING AND FINANCING

There are very few changes or modifications needed in the 2015 update of this section of the 2010 plan. The following table summarizes this section and noteworthy changes or comments:

**Table 13: Section 11 – Comments or Changes**

<b>Section</b>	<b>Change to note</b>
11.1	Funding mechanism – the primary funding mechanism continues to be the tipping fees assessed users of the landfill. Tipping fee rates are set annually with the budget. See Section 6.0, Appendix 15-12 for the tipping fee assessment for FY 2015.
11.2	Financing – the Authority has financed its activities to date through loans from the private sector banks and has not used the VRA. Currently it is considering the venue for financing the next phase of the landfill. The conditions of the loan impact the annual operating budget and these are carefully assessed when establishing the tipping fees and various reserve funds.

## 12.0 PUBLIC PARTICIPATION

Public participation for solid waste planning in particular major amendments is outlined in the following sections of the Solid Waste Planning Regulations (9VAC20-130):

### **9VAC20-130-130. Public participation.**

*A. Each solid waste planning unit shall provide for public participation during plan development through such means as public meetings or citizen advisory committees.*

*B. Prior to submission of a plan or major amendment the solid waste planning unit shall publish a notice and hold a public hearing on the plan. When the solid waste planning unit represents multiple government units, the unit submitting a major plan amendment(s) needs to conduct the above public participation requirements only in the county or locality involved in the major amendment. A record of the public hearing, a copy of all written comments and the submitter's response to all comments received shall be submitted with the plan or plan amendment.*

### **9VAC20-130-10. Definitions**

*"Solid waste planning unit" means each region or locality that submits a solid waste management plan.*

### **9VAC20-130-175. Amendments to plans.**

*B. Major amendments shall require the same public participation as detailed in [9VAC20-130-130](#) before being submitted, by mail or electronic mail, to the department for approval prior to implementation.*

VDEQ provided further guidance in a letter dated 4/1/15 and included in Appendix 15-14.

Section 12.0 of the 2010 SWMP addresses the efforts required for the establishment of the SWMP and Regional entity.

The major amendment for the additional capacity of the lateral expansion and to a lesser degree a change in membership (withdrawal of the City of Bedford), required certain specific public participation efforts. To date the Authority has been involved in the notification of the public relative to the lateral expansion in a variety of ways as summarized in the table below:

**Table 14: Public Discussions Relative to the Topic of the Lateral Expansion**

<b>DATE</b>	<b>ACTIVITY</b>
1/27/10	Region 2000 – quarterly meeting – lateral expansion discussed in open session
4/28/10	Region 2000 – quarterly meeting – lateral expansion discussed in open session
11/16/10	Region 2000 – neighborhood meeting to discuss reopening of Permit 610 landfill and expansion
1/13/14	Campbell County BOS provided information on the lateral expansion in their Board packet. No discussion was engaged by the Board during this meeting.
5/5/14	Campbell County signs the Local Government Certification indicating that the lateral expansion is consistent with all local ordinances.
8/27/14	Region 2000 – quarterly meeting – lateral expansion discussed in open session
9/4/14	Region 2000 – letter to adjoining and other property owners in vicinity of landfill on lateral expansion. See letter and list of owners notified in Appendix 15-2.

The amendment was approved by the Authority by resolution at their 5/13/15. Resolutions relative to the withdrawal of the Town/City of Bedford were passed at the time of withdrawal. That information is included in Appendix 15-1.

Appendix 15-14 includes the advertisements, minutes from the public hearing, written comments from citizens, responses by Authority and final resolution passing the SWMP by the Authority.

### **13.0 RECORD KEEPING**

The only minor modification to this section is the location of the records for the Region. The Regional planning documents as well as the operating record of the disposal facilities are maintained at the Region 2000 Service Authority offices located at 316 Livestock Road, Rustburg, Virginia.

**APPENDIX 15-1**

**CITY/TOWN OF BEDFORD WITHDRAWAL INFORMATION**

0687960-5

COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

July 11, 2014

1407210022

The State Corporation Commission having found the accompanying application for withdrawal submitted by the Town of Bedford, Virginia on behalf of

**The Region 2000 Services Authority**

to comply with the requirements of law and confirms payment of all related fees.

Therefore, it is ORDERED that this

**CERTIFICATE OF WITHDRAWAL**

be issued and admitted to record with the application for withdrawal in the Office of the Clerk of the Commission, effective July 11, 2014.

STATE CORPORATION COMMISSION

By



Judith Williams Jagdmann  
Commissioner

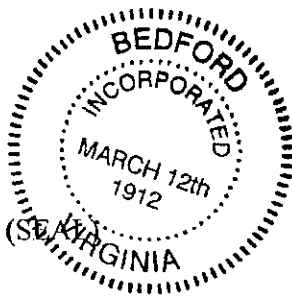
14-06-19-0005  
AMENACPT  
CIS0368

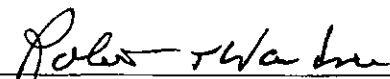
**APPLICATION OF THE TOWN OF BEDFORD, VIRGINIA  
TO WITHDRAW FROM THE REGION 2000 SERVICES AUTHORITY**

1. The Town of Bedford (**the "Town"**) formerly the City of Bedford (**"Bedford"**) seeks to withdraw from The Region 2000 Services Authority (**the "Authority"**) pursuant to Sections 15.2-5112 A and B of the Code of Virginia, as amended (**the "Code"**) and has obtained the unanimous consent of the remaining members of the Authority and the unanimous consent of all the holders of its outstanding bonds.
2. The governing bodies of all of the political subdivisions which are members of the Authority after advertisement of the resolution consenting to the withdrawal of Bedford and holding a public hearing, which consist of Bedford, the City of Lynchburg, the County of Appomattox, the County of Campbell and the County of Nelson agreed and consented to the withdrawal of Bedford from the Authority pursuant to Section 15.2-5112 D of the Code by resolutions after public hearings held in accordance with Section 15.2-5104 of the Code duly called and held on July 23, 2013, September 10, 2013, September 3, 2013, October 1, 2013 and September 26, 2013, respectively.
3. The Authority agreed and consented to the withdrawal of Bedford from the Authority pursuant to Section 15.2-5112 D of the Code by resolution adopted on October 23, 2013.
4. The Authority has outstanding bonds, all of which are held by one bondholder which has consented to the withdrawal of Bedford from the Authority pursuant to Section 15.2-5112 A of the Code.

**IN WITNESS WHEREOF**, the undersigned parties have each caused this Application to Withdraw to be signed as of May 22, 2014.

**Town of Bedford, Virginia**



  
 Its: Mayor  
 Name: Robert T. Wandrei

*[Signature Page to Follow]*

1407210022

City of Lynchburg, Virginia

By: L. Kimball Payne  
Its: City Manager  
Name: L. Kimball Payne, III

(SEAL)

*[Signature Page to Follow]*

1407210022

County of Appomattox, Virginia

By: Aileen T. Ferguson  
Its: County Administrator  
Name: Aileen T. Ferguson


(SEAL)

*[Signature Page to Follow]*



1407210022

County of Campbell, Virginia

By:   
Its: County Administrator  
Name: R. David Laurell

(SEAL)

*[Signature Page to Follow]*

1407210022

County of Nelson, Virginia

By: Stephen A. Carter  
Its: County Administrator  
Name: Stephen A. Carter

(SEAL)

*[Signature Page to Follow]*

1407210022



The Region 2000 Services Authority

By: Gary Christie

Its: Executive Director

Name: Gary Christie

# COUNTY OF CAMPBELL



At the regular meeting of the Campbell County Board of Supervisors held on the 1<sup>st</sup> day of October, 2013 in the Board of Supervisors Meeting Room of the Haberer Building, Rustburg, Virginia:

On motion of Supervisor Pendleton, it was resolved the Board of Supervisors adopts the following resolution:

## **RESOLUTION AUTHORIZING THE TOWN OF BEDFORD TO WITHDRAW FROM MEMBERSHIP IN THE REGION 2000 SERVICES AUTHORITY**

**WHEREAS,** Campbell County is a member of the Region 2000 Services Authority (the "Authority"), which operates the regional landfill in Campbell County for Campbell County, Nelson County, Appomattox County, the City of Lynchburg and the City of Bedford; and

**WHEREAS,** the City of Bedford has agreed with Bedford County that the City of Bedford will revert to a town effective July 1, 2013, at which point Bedford County will allow the Town of Bedford to use the Bedford County landfill at no charge; and

**WHEREAS,** the City of Bedford has requested that the Region 2000 Services Authority and the other member jurisdictions allow the Town of Bedford to withdraw from the Authority effective July 1, 2013 or at such time as the last member jurisdiction and the State Corporation approve such withdrawal in return for the Town of Bedford making a payment of \$50,000 to the Authority in FY 14 and another payment of \$50,000 to the Authority in FY 15 to offset the costs to the remaining jurisdictions associated with the withdrawal.

**NOW THEREFORE, BE IT RESOLVED** by the Campbell County Board of Supervisors, following a public hearing as required by Sections 15.2-5104 and 5112 of the Code of Virginia, that the Board of Supervisors authorizes the withdrawal of the Town of Bedford from the Region 2000 Services Authority, and authorizes the County Administrator to execute an Agreement to that effect as presented with this Resolution, subject to approval of the Agreement as to form by the city/county attorney.

The vote was: Aye: Borland, Falwell, Goldsmith, Gunter, Pendleton, Puckett, Shockley  
Nay: None  
Absent: None

  
\_\_\_\_\_  
R. DAVID LAURELL  
COUNTY ADMINISTRATOR

**RESOLUTION CONSENTING TO THE WITHDRAWAL OF THE CITY/TOWN OF  
BEDFORD FROM THE REGION 2000 SERVICES AUTHORITY**

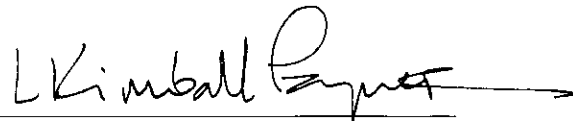
**WHEREAS,** the City of Bedford, Virginia (which became the Town of Bedford as of July 1, 2013) adopted a resolution April 9, 2013 requesting that the City/Town be allowed to withdraw as a member of the Region 2000 Services Authority (the "Authority") due to the fact that the City was reverting to Town status effective July 1, 2013, and solid waste disposal for the Town following that date would be provided at the County of Bedford landfill; and

**WHEREAS,** the governing bodies of the remaining local governments that are members of the Authority have adopted resolutions, following public hearings, approving an Agreement consenting to the withdrawal of the City/Town of Bedford from the Authority; and

**WHEREAS,** the Authority members believe that it is in the best interests of the Authority to allow the City/Town of Bedford to withdraw as a member of the Authority.

**NOW THEREFORE, BE IT RESOLVED** by the Board of the Region 2000 Services Authority that the Authority hereby consents to the withdrawal of the City/Town of Bedford from the Region 2000 Services Authority and authorizes the Chairman to execute, on behalf of the Authority, an agreement indicating the terms of the withdrawal.

Adopted this 23<sup>rd</sup> day of October, 2013.



Chairman

Votes:

L. David Laurrell

Stephen A. Carter

L. Kimball Payne

Aileen T. Ferguson

Charles P. Kolakowski

BOARD OF  
SUPERVISORS

THOMAS D. HARVEY  
North District

LARRY D. SAUNDERS  
South District

ALLEN M. HALE  
East District

THOMAS H. BRUGUIERE, JR.  
West District

CONSTANCE BRENNAN  
Central District



STEPHEN A. CARTER  
Administrator

CANDICE W. McGARRY  
Administrative Assistant/  
Deputy Clerk

DEBRA K. McCANN  
Director of Finance and  
Human Resources

**RESOLUTION R2013-64**  
**NELSON COUNTY BOARD OF SUPERVISORS**  
**AUTHORIZATION FOR TOWN OF BEDFORD WITHDRAWAL**  
**FROM REGION 2000 SERVICES AUTHORITY AND AUTHORITY TO**  
**EXECUTE MODIFIED AUTHORITY AGREEMENT**

**WHEREAS**, Nelson County is a member of the Region 2000 Services Authority (the "Authority"), which operates the regional landfill in Campbell County for Campbell County, Nelson County, Appomattox County, the City of Lynchburg and the City of Bedford; and

**WHEREAS**, the City of Bedford has agreed with Bedford County that the City of Bedford will revert to a town effective July 1, 2013, at which point Bedford County will allow the Town of Bedford to use the Bedford County landfill at no charge; and

**WHEREAS**, the City of Bedford has requested that the Region 2000 Services Authority and the other member jurisdictions allow the Town of Bedford to withdraw from the Authority effective July 1, 2013 or at such time as the last member jurisdiction and the State Corporation approve such withdrawal in return for the Town of Bedford making a payment of \$50,000 to the Authority in FY 14 and another payment of \$50,000 to the Authority in FY 15 to offset the costs to the remaining jurisdictions associated with the withdrawal.

**NOW THEREFORE, BE IT RESOLVED** by the Nelson County Board of Supervisors, following a public hearing as required by Sections 15.2-5104 and 5112 of the Code of Virginia, that the Nelson County Board of Supervisors authorizes the withdrawal of the Town of Bedford from the Region 2000 Services Authority, and authorizes the County Administrator to execute an Agreement to that effect as presented with this Resolution, subject to approval of the Agreement as to form by the city/county attorney.

Adopted: September 26, 2013

Attest:  Clerk  
Nelson County Board of Supervisors

**A RESOLUTION PROVIDING FOR WITHDRAWAL FROM  
THE REGION 2000 SERVICES AUTHORITY**

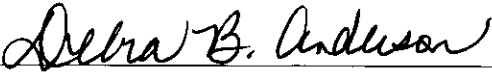
**WHEREAS,** the Town of Bedford (formerly City of Bedford), herein referred to as "Bedford," is a member of the Region 2000 Services Authority (the "Authority"), which operates the regional landfill in Campbell County for Campbell County, Nelson County, Appomattox County, the City of Lynchburg and of Bedford; and

**WHEREAS,** Bedford entered into a Voluntary Settlement Agreement with Bedford County that Bedford would revert to a town effective July 1, 2013, at which point Bedford County would allow the Bedford to use the Bedford County landfill at no charge; and

**WHEREAS,** Bedford has requested that the Region 2000 Services Authority and the other member jurisdictions allow Bedford to withdraw from the Authority effective July 1, 2013 or at such time as the last member jurisdiction and the State Corporation approve such withdrawal in return for Bedford's making a payment of \$50,000 to the Authority in FY 14 and another payment of \$50,000 to the Authority in FY 15 to offset the costs to the remaining jurisdictions associated with the withdrawal.

**NOW THEREFORE, BE IT RESOLVED** by the Town Council of the Town of Bedford, Virginia following a public hearing as required by Sections 15.2-5104 and 5112 of the Code of Virginia, that the Town Council authorizes the withdrawal of Bedford from the Region 2000 Services Authority, and authorizes the Town Mayor to execute an Agreement to that effect in substantially the same form as the Agreement presented to the Town Council with this Resolution, subject to approval of the Agreement as to form by the Town Attorney.

I hereby certify that the foregoing is a true and exact copy of a Resolution adopted at a regular meeting of the Council of the Town of Bedford, Virginia, held on July 23, 2013, at which said meeting a quorum was presented and voted.

  
\_\_\_\_\_  
Deputy Clerk of the Council

## APPOMATTOX COUNTY

### SUPERVISORS

APPOMATTOX RIVER DISTRICT  
WILLIAM H. CRAFT

COURTHOUSE DISTRICT  
SAMUEL E. CARTER

FALLING RIVER DISTRICT  
RONALD C. SPIGGLE

PINEY MOUNTAIN DISTRICT  
JERRY N. SMALL

WRECK ISLAND DISTRICT  
GARY W. TANNER



COUNTY ADMINISTRATION OFFICE  
(434) 352-2637  
FAX: (434) 352-4214  
[www.AppomattoxCountyVa.gov](http://www.AppomattoxCountyVa.gov)

## BOARD OF SUPERVISORS

P. O. Box 863  
Appomattox, Virginia 24522

## RESOLUTION

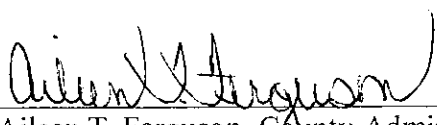
**WHEREAS**, Appomattox County is a member of the Region 2000 Services Authority (the "Authority"), which operates the regional landfill in Campbell County for Campbell County, Nelson County, Appomattox County, the City of Lynchburg and the City of Bedford; and

**WHEREAS**, the City of Bedford has agreed with Bedford County that the City of Bedford will revert to a town effective July 1, 2013, at which point Bedford County will allow the Town of Bedford to use the Bedford County landfill at no charge; and

**WHEREAS**, the City of Bedford has requested that the Region 2000 Services Authority and the other member jurisdictions allow the Town of Bedford to withdraw from the Authority effective July 1, 2013 or at such time as the last member jurisdiction and the State Corporation approve such withdrawal in return for the Town of Bedford making a payment of \$50,000 to the Authority in FY 14 and another payment of \$50,000 to the Authority in FY 15 to offset the costs to the remaining jurisdictions associated with the withdrawal.

**NOW THEREFORE, BE IT RESOLVED** by the Board of Supervisors of Appomattox County, following a public hearing as required by Sections 15.2-5104 and 5112 of the Code of Virginia, that the Board of Supervisors authorizes the withdrawal of the Town of Bedford from the Region 2000 Services Authority, and authorizes the County Administrator to execute an Agreement to that effect as presented with this Resolution, subject to approval of the Agreement as to form by the city/county attorney.

Adopted this 3<sup>rd</sup> day of September, 2013.

  
Aileen T. Ferguson, County Administrator



## **AGREEMENT**

This **AGREEMENT** is entered into this 23rd day of July, 2013 among the **REGION 2000 SERVICES AUTHORITY** (the "Authority"); **THE COUNTY OF APPOMATTOX, VIRGINIA** ("Appomattox County"); **CAMPBELL COUNTY, VIRGINIA** ("Campbell County"); **NELSON COUNTY, VIRGINIA** ("Nelson County"); **THE TOWN OF BEDFORD, VIRGINIA**, Formerly the CITY OF BEDFORD, VIRGINIA, ("Bedford City/Town of Bedford") and **THE CITY OF LYNCHBURG, VIRGINIA** ("the City of Lynchburg"), collectively the "Member Jurisdictions."

**WHEREAS**, the above named Member Jurisdictions formed the Region 2000 Services Authority by entering into a Member Use Agreement dated January 31, 2008, which was amended on June 20, 2008, the purpose of which was to operate a regional landfill for the Member Jurisdictions pursuant to Section 15.2-5100 et. seq. of the Code of Virginia; and

**WHEREAS**, Section 15.2-5112 of the Code of Virginia states that any locality may withdraw from a regional authority upon unanimous consent of the remaining members of the authority following a public hearing; and

**WHEREAS**, Bedford City/Town of Bedford has requested that it be allowed to withdraw as a member of the Authority due to the fact that as of July 1, 2013 it has reverted to town status, and its agreement with Bedford County is that Bedford City/Town of Bedford will be allowed to use the Bedford County landfill, since the residents of the Town will be paying County taxes; and

**WHEREAS**, Bedford City/Town of Bedford has proposed to the remaining Member Jurisdictions and the Authority to make a payment to the Authority to offset a portion of the income that the Authority will lose due to the Town of Bedford no longer being a member of the Authority, which proposal has been accepted by the Authority, which recommends that the Member Jurisdictions accept the proposal.

**NOW THEREFORE**, for the consideration stated herein, the parties agree as follows:

### **1. Withdrawal of Bedford City/Town of Bedford.**

The parties agree that Bedford shall no longer be a member of the Region 2000 Services Authority after July 1, 2013 or the date on which the final Member Jurisdiction approves this Agreement and the State Corporation Commission approves the withdrawal, whichever is later.

## **2. Payment by Bedford City/Town of Bedford.**

In return for allowing Bedford to withdraw as a member of the Authority, Bedford agrees to make a payment to the Authority of \$50,000 per year for two years, for a total payment of \$100,000. The first payment shall be made by September 1, 2013, and the second payment by September 1, 2014.

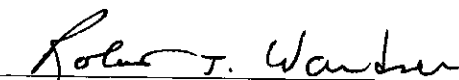
## **3. Effect of Withdrawal.**

Other than the payment provided in Sect City/Bedford Town shall have no obligation under the Member Use Agreement, with the exception that Bedford City/Bedford Town will continue to be responsible for the closure and post-closure costs, as well as financial assurance to the Virginia Department of Environmental Quality, for the portion of municipal solid waste that it has deposited in the Authority's landfills.

**WHEREFORE**, the parties evidence their intent to be bound by their duly authorized signatures below.

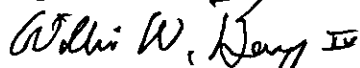
**Town of Bedford, Virginia**

By:



**Its Mayor**

Approved as to form:



Town Attorney

**APPENDIX 15-2**

**LETTER NOTIFICATION TO PROPERTY OWNERS**

**LATERAL EXPANSION**



Region 2000 Regional Landfill  
361 Livestock Road  
Rustburg, VA 24588  
Phone: (434) 455-6086  
Fax: (434) 847-1809

September 4, 2014

Dear Resident:

The Region 2000 Services Authority is notifying you that the Region 2000 Regional Landfill – Livestock Road Facility (Permit 610) intends to modify its existing landfill permit by developing a lateral landfill expansion within the permitted boundaries the application for this modification to the existing permit will be conducted in accordance with the Commonwealth of Virginia Code reference number 9VAC20-81-600. This notification is required under the Virginia Solid Waste Management Regulations as part of the permit modification process. All adjacent property owners to the landfill property (TM33-(A)-15B) are being notified of this pending permit modification in addition to others that the Authority knows will be interested in the project.

Attached is a photo of the site with the lateral expansion outlined. The description of the modification is as follows: Phase III and Phase IV were originally permitted by the Virginia Department of Environmental Quality as separate areas with approximately 6 acres left between the two fill areas. Phase III has been constructed and is in operation. Under this modification, the two fill areas will be combined into a single disposal area and the base grades of Phase IV reconfigured to incorporate the additional 6 acre lateral expansion. The volume and the life expectancy of this landfill will increase allowing the Authority to operate the landfill for an additional 5+ years within the originally permitted footprint. (More detailed plan information can be found at <http://www.region2000.org/index.php?id=1362>)

Neither the types of waste accepted at the landfill nor the operations of the landfill will change. There is no increase in the permitted daily tonnage planned. The purpose of this permit amendment is to extend the life of the existing facility and to continue to provide cost effective solid waste disposal services to Region 2000 Services Authority member localities and residents in a manner that protects human health and the environment.

In accordance with the permitting process, the Virginia Department of Environmental Quality will review all aspects of the permit application and will issue a draft permit for public review and comment if it is deemed appropriate. DEQ will advertise a public comment period in a local newspaper and the public will be given 30 days to comment on the technical aspects of the project.

If you have any questions about this permit modification, contact me at 434-455-6086 or [cgibson@region2000.org](mailto:cgibson@region2000.org).

Sincerely,

A handwritten signature in black ink that reads "Clarke W. Gibson".

Clarke W. Gibson, P.E.

Director  
Region 2000 Services Authority

Attachment – Figure 1



Operated by Virginia's Region 2000 Local Government Council.





## Proposed Lateral Expansion

Region 2000 Regional Landfill  
Campbell County, Virginia

SCALE 1" = 1000'

PLAN NO. B09107-109B



**Draper Aden Associates**

Engineering • Surveying • Environmental Services

2206 South Main Street  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291

Richmond, VA  
Charlottesville, VA  
Hampton Roads, VA

DESIGNED LPK  
DRAWN SMF  
CHECKED LPK  
DATE 08-18-14

FIGURE

1



NAME1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
ADAMS KENNETH W & JUANITA H	484 LAZY CREEKS DR	RUSTBURG	VA	24588
ALDRIDGE THOMAS VICTOR III	170 BARRINGER DR	RUSTBURG	VA	24588
ARTHUR CHARLES B III	205 MOUNTAIN LAUREL DR	RUSTBURG	VA	24588
BARNETT DONALD A & SUSAN JO	367 BARRINGER DR	RUSTBURG	VA	24588
BARRINGER DONNA LEIGH	1235 CALOHAN RD	RUSTBURG	VA	24588
BARRINGER ERIC A & SHARON S	177 HOLLAND CT	RUSTBURG	VA	24588
BARRINGER GROUP LLC	177 HOLLAND CT	RUSTBURG	VA	24588
BARRINGER H DOUGLAS	277 HOLLAND CT	RUSTBURG	VA	24588
BARRINGER JOEL S & JACQUELINE G	1255 CALOHAN RD	RUSTBURG	VA	24588
BEMAN THOMAS S & BRENDA J	535 BARRINER DR	RUSTBURG	VA	24588
BLANKS DAKOTA G	PO BOX 735	RUSTBURG	VA	24588
BUNCH WILLIE E JR & SHIRLEY	2314 DEPOT RD	RUSTBURG	VA	24588
CALLAHAN NATHANIEL & RUTH	18 ENGLISH TAVERN RD	RUSTBURG	VA	24588
CAMPBELL COUNTY	PO BOX 100	RUSTBURG	VA	24588
CARWILE STEVE L	488 BARRINGER DR	RUSTBURG	VA	24588
CARWILE WILLIAM A	921 CALOHAN RD	RUSTBURG	VA	24588
COURT STREET PROPERTIES INC	615 CHURCH ST	LYNCHBURG	VA	24504
COURT STREET PROPERTIES LC	PO BOX 7000	LYNCHBURG	VA	24505
CREWS ROY RONALD	156 HOLLAND CT	RUSTBURG	VA	24588
DAWSON KEVIN S & STACY S	493 BARRINGER DR	RUSTBURG	VA	24588
DAY ROBERT E III & CHRISTINA J &	821 CALOHAN RD	RUSTBURG	VA	24588
DAY ROBERT E JR & SANDRA	821 CALOHAN RD	RUSTBURG	VA	24588
DEANGELIS MICHAEL A & GEORGIA M	159 BARRINGER DR	RUSTBURG	VA	24588
DIXON ROBERT P & EMMA M	1333 CALOHAN RD	RUSTBURG	VA	24588
EANES BARBARA L & JOSEPH J LUNDY	241 LAZY CREEKS DR	RUSTBURG	VA	24588
ELLIOTT ROBERT C JR & LINDA B	2272 DEPOT RD	RUSTBURG	VA	24588
ELLIOTT ROBERT C JR & LINDA B	2341 DEPOT RD	RUSTBURG	VA	24588
F & C PROPERTY DEVELOPMENT CO LLC	PO BOX 190	BROOKNEAL	VA	24528
FAIRCHILD THOMAS J & TRACY M	308 BARRINGER DR	RUSTBURG	VA	24588
FEDERAL HOME MORTGAGE CORP	5000 PLANO PKWY	CARROLTON	TX	75010
FLETCHER MARY WALKER E	733 COLONIAL HWY	RUSTBURG	VA	24588
FOSTER DONNA T & SHARON H TUCKER	1213 REGENT PL	LYNCHBURG	VA	24502
FREDERICK NAUVATA ELOIS BURRELL	2140 BROOKS DR APT 511	FORESTVILLE	MD	20747
GILLISPIE GARY D & DENISE D	138 HOLLAND CT	RUSTBURG	VA	24588
GODWIN RONALD S	466 SUNRISE DR	FOREST	VA	24551
GRAHAM DELORES J	2244 DEPOT RD	RUSTBURG	VA	24588
GRAHAM DELORES J	2345 DEPOT RD	RUSTBURG	VA	24588
GREENLAW WAYNE S & KAREN H	196 HOLLAND CT	RUSTBURG	VA	24588
HAMILTON RALPH T	2372 DEPOT RD	RUSTBURG	VA	24588
HAMILTON RALPH T	2432 DEPOT RD	RUSTBURG	VA	24588
HARRE JAMES H III & ERIN P	216 HOLLAND CT	RUSTBURG	VA	24588
HARRIS JOSIE TOMLIN & ROBERT E JR	1145 CALOHAN RD	RUSTBURG	VA	24588
HARRIS ROBERT E	1119 CALOHAN RD	RUSTBURG	VA	24588
HARTZ DARRELL LYNN	11245 WARDS RD	RUSTBURG	VA	24588
HENDRICKS ELDRED H	942 HUNTWOOD LN	CHARLOTTESVILLE	VA	22901
HERITAGE WAY PROPERTIES LLC	PO BOX 922	APPOMATTOX	VA	24522
HODGERT JAMES C	472 LAZY CREEKS DR	RUSTBURG	VA	24588
HODGERT THOMAS J & DEBRA F	301 LAZY CREEKS DR	RUSTBURG	VA	24588
HOLZKNECHT THOMAS & BRENDA	56 DRY HILL LN	RUSTBURG	VA	24588
HUNT CLAUDE I & VIVIAN C	755 COLONIAL HWY	RUSTBURG	VA	24588
INGE RHONDA H	1169 CALOHAN RD	RUSTBURG	VA	24588
JACKSON LEONARD E &	124 HOLLAND CT	RUSTBURG	VA	24588
JAMES MOISIS MITCHELL	199 BARRINGER DR	RUSTBURG	VA	24588
JENKINS RAYMOND M & MARGARETY Y	106 HOLLAND CT	RUSTBURG	VA	24588
JOEY DAWSON CUSTOM WOODWORKING INC	3071 REDHOUSE RD	RUSTBURG	VA	24588
KERR WINFORD C	2370 DEPOT RD	RUSTBURG	VA	24588
KIM TAESEONG & HYUNJIN MICHELLE	57 HOLLAND CT	RUSTBURG	VA	24588
KNIGHT CALVIN D JR & LAURA A	130 BARRINGER DR	RUSTBURG	VA	24588
KOLEZNAR JOHN A &	176 HOLLAND CT	RUSTBURG	VA	24588
LANG TIMOTHY S & NICHOLE D	578 BARRINGER DR	RUSTBURG	VA	24588
LAT LAND COMPANY LLC	460 CARTER LODGE RD	BLAIRS	VA	24527
LITCHFORD EDWARD C	8016 TIMBERLAKE RD	LYNCHBURG	VA	24502

NAME1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
LORENZ ANDREW M & VALERIE L	417 BARRINGER DR	RUSTBURG	VA	24588
LOVELACE DEBRA A & LAFETTE	632 SPICER RD	LYNCHBURG	VA	24504
LUCHS BERNDT L & KRISTIE L	83 HOLLAND CT	RUSTBURG	VA	24588
MASON PHILIP E & OLLIE A	1491 CALOHAN RD	RUSTBURG	VA	24588
MCCOY CAROLYN F	88 MINNESOTA AVAE	LONG BEACH	NY	11561
MCCOY JOHN C & CHERYL R	281 CALOHAN RD	RUSTBURG	VA	24588
MCLAUGHLIN RICHARD Y & KAREN L	PO BOX 15004	LYNCHBURG	VA	24502
MELTON ROBERT L & MARY S	2484 DEPOT RD	RUSTBURG	VA	24588
METCALF GILLIAM & FARISS	PO BOX 4122	LYNCHBURG	VA	24502
MODERN HOME CONSTRUCTION INC	134 ROYAL RIDGE CIR	RUSTBURG	VA	24588
MORELAND CYNTHIA C	50 DRY HILL LN	RUSTBURG	VA	24588
NEIGHBORS JARED S & HEATHER D	PO BOX 450	RUSTBURG	VA	24588
NEIGHBORS SUSAN	18 BARRINGER DR	RUSTBURG	VA	24588
NORTHWOOD INC	507 JANE RANDOLPH ST	FOREST	VA	24551
OVERBEY FAMILY PARTNERSHIP LLLP	PO BOX 38	RUSTBURG	VA	24588
OVERBEY W H JR	PO BOX 38	RUSTBURG	VA	24588
PADILLA SAMUEL & LEILANI	212 BARRINGER DR	RUSTBURG	VA	24588
PAFFORD ABRAM J & ALLISON D	3819 LARCHWOOD RD	FALLS CHURCH	VA	22041
PAFFORD TIMOTHY & TONYA	290 BARRINGER DR	RUSTBURG	VA	24588
PETERS TIMOTHY L & MICHELLE C	3424 HOOPER RD	FOREST	VA	24551
PHILLIPS HALEY B	869 CALOHAN RD	RUSTBURG	VA	24588
PURIFICATO RUDOLPH J & EMILY L	7402 SHADY CANYON DR	SAN ANTONIO	TX	78248
RAKES LONNIE R & DORIS R	2400 DEPOT RD	RUSTBURG	VA	24588
ROBERTS KIMBERLY B ETALS	3165 MCIVER FERRY RD	GLADYS	VA	24554
ROBERTSON JAMES W & FLORIDA L	1828 DEPOT RD	RUSTBURG	VA	24588
ROBERTSON TIMOTHY B SR & JAMES D	370 RIDGEWOOD CIR	EVINGTON	VA	24588
ROBINSON ERNEST B & KATE E	234 HOLLAND CT	RUSTBURG	VA	24588
ROSE LARRY E & LEE ANN	418 CHURCHILL DR	LYNCHBURG	VA	24502
ROSSER PAUL E & BETTY S	1083 CALOHAN RD	RUSTBURG	VA	24588
ROYAL BRIAN M	134 ROYAL RIDGE CIR	RUSTBURG	VA	24588
ROYAL CLAUDE M & VIRGINIA H	134 ROYAL RIDGE CIR	RUSTBURG	VA	24588
SAUNDERS DONALD R & SHARON I	395 LAZY CREEKS DR	RUSTBURG	VA	24588
SCOTT ERNESTINE J (LIFE ESTATE)	1531 CALOHAN RD	RUSTBURG	VA	24588
SCOTT JESSIE L & JUNE A	10 ENGLISH TAVERN RD	RUSTBURG	VA	24588
SENECA FARMS LLC	572 CALOHAN RD	RUSTBURG	VA	24588
SEVEN OAKS HOLDINGS LLC	PO BOX 710	RUSTBURG	VA	24588
SIMONSON RICHARD S & GRETCHEN B	1007 CALOHAN RD	RUSTBURG	VA	24588
SLIGH GLENN T & CHERYL B	321 LAZY CREEKS DR	RUSTBURG	VA	24588
SMITH KEITH E	2817 WINFALL RD	RUSTBURG	VA	24588
SMITH ROBERT K & FERN I	2458 DEPOT RD	RUSTBURG	VA	24588
SORENSEN ERIK M & ASHLEY F	441 BARRINGER DR	RUSTBURG	VA	24588
SORRELLS MEGAN B	209 BARRINGER DR	RUSTBURG	VA	24588
STAFFORD ROBERT W & DEBRA ELAINE	PO BOX 202	KOPPERSTONE	WV	24854
STANLEY CLAYTON F & MONICA S	595 CALOHAN RD	RUSTBURG	VA	24588
STEELE JEAN MARIE	167 ENGLISH TAVERN RD	RUSTBURG	VA	24588
TAYLOR JACOB A & ASHLEIGH A	115 ALTA LN	LYNCHBURG	VA	24502
THE HADEN AND RILEY COMPANY INC	PO BOX 266	FOREST	VA	24551
THOMAS ROBERT L & NINA C	711 CALOHAN RD	RUSTBURG	VA	24588
TRENT DAVID E & LORAIN E B	233 SNIPE LN	RUSTBURG	VA	24588
TUCKER KEITH S & TAMARRO R	500 BARRINGER DR	RUSTBURG	VA	24588
TWIN LEAF FARM LLC	2481 TWINLEAF RD	BIG ISLAND	VA	24526
VENABLE GEORGE D & CAROLYN M	PO BOX 672	RUSTBURG	VA	24588
VIRGINIA BANK & TRUST	PO BOX 3447	DANVILLE	VA	24543
WADE KENNETH M	197 LAZY CREEKS DR	RUSTBURG	VA	24588
WALLACE VERNON B JR & PENELOPE P	119 BARRINGER DR	RUSTBURG	VA	24588
WARE BETTY JEAN	246 LAZY CREEKS DR	RUSTBURG	VA	24588
WARE JAMES GREGORY	172 LAZY CREEKS DR	RUSTBURG	VA	24588
WEBBER JOHN M & DORIS B	2204 DEPOT RD	RUSTBURG	VA	24588
WOOLDRIDGE DYANNA B	PO BOX 261	RUSTBURG	VA	24588
WORKMAN DERRICK P	66 BARRINGER DR	RUSTBURG	VA	24588
WRIGHT EDWARD J	1563 COLONIAL HWY	RUSTBURG	VA	24588

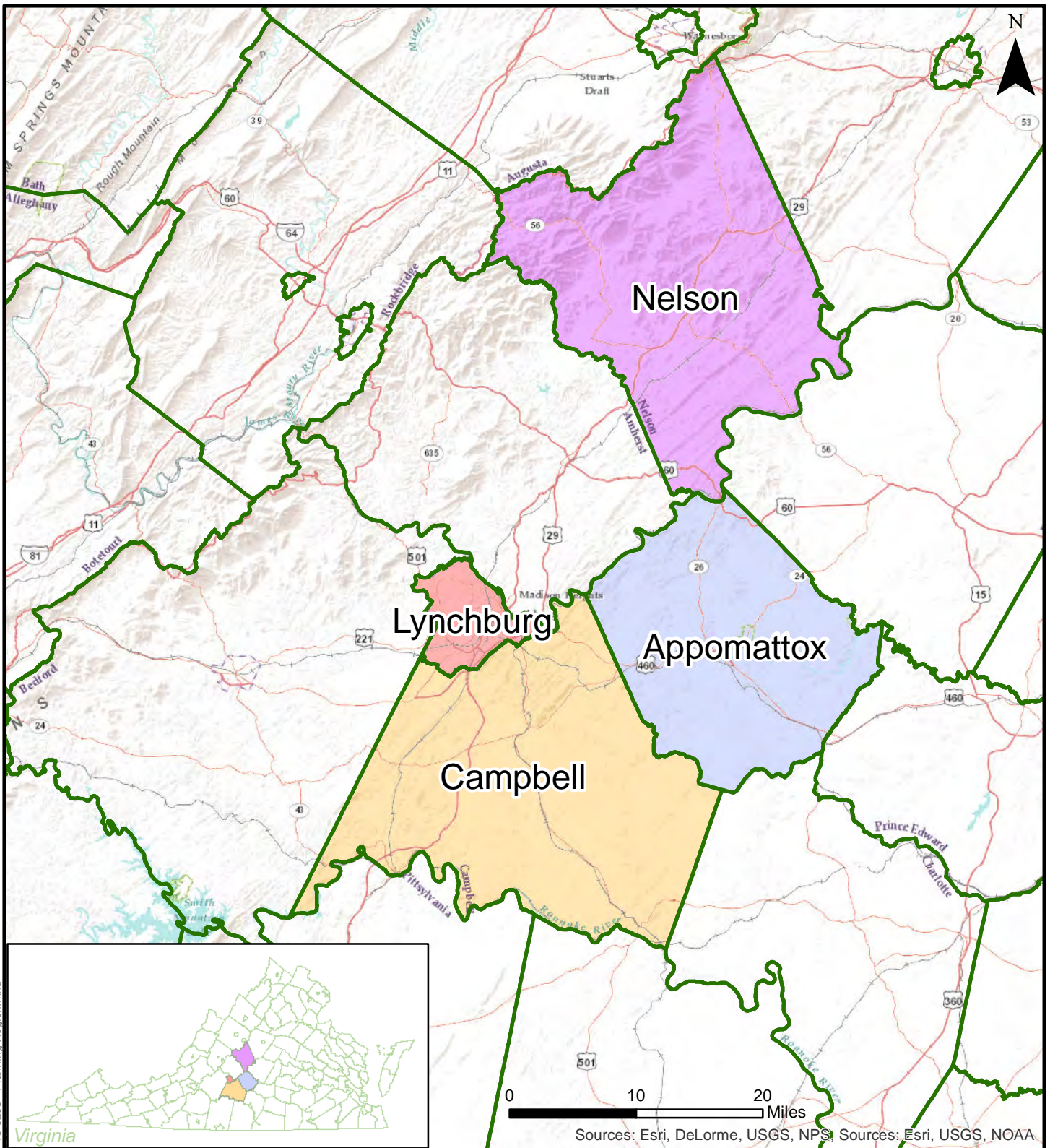
NAME1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP
YUILLE CHAS	2208 WINTERGREEN AVE	DISTRICT HEIGHTS	MD	20747
ZIELSTRA FLOYD N	521 AMI LN	CLARK DALE	AZ	86324



**APPENDIX 15-3**

**FIGURE 1**

**PLANNING UNIT BOUNDARY**



Path: P:\B09100\B09107\B09107-22\GIS\MAP - 15 0203 - Planning Region.mxd

Sources: Esri, DeLorme, USGS, NPS, Sources: Esri, USGS, NOAA

## Region 2000 Planning Region 2015 Update

SCALE to fit

PLAN NO. B09107-109F



# Draper Aden Associates

Engineering • Surveying • Environmental Services

2206 South Main Street  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291

Richmond, VA  
Charlottesville, VA  
Hampton Roads, VA  
Coats, NC

DESIGNED MF  
DRAWN MF  
CHECKED LK  
DATE 02-02-15

## FIGURE

i

**APPENDIX 15-4**

**US EPA – 2012 – FACTS AND FIGURES**

**MUNICIPAL SOLID WASTE**

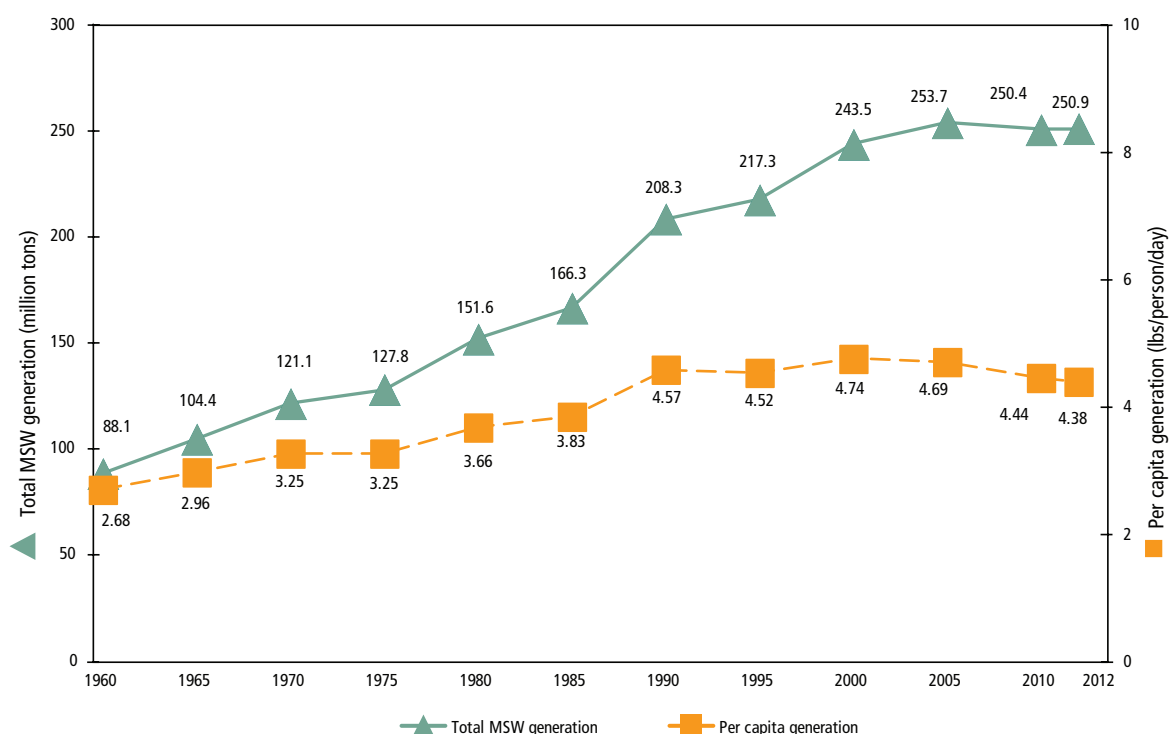
# Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures for 2012

The U.S. Environmental Protection Agency (EPA) has collected and reported data on the generation and disposal of waste in the United States for more than 30 years. We use this information to measure the success of waste reduction and recycling programs across the country. These facts and figures are current through calendar year 2012.

In 2012, Americans generated about 251 million tons<sup>1</sup> of trash and recycled and composted almost 87 million tons of this material, equivalent to a 34.5 percent recycling rate (See Figure 1 and Figure 2). On average, Americans recycled and composted 1.51 pounds out of our individual waste generation rate of 4.38 pounds per person per day.

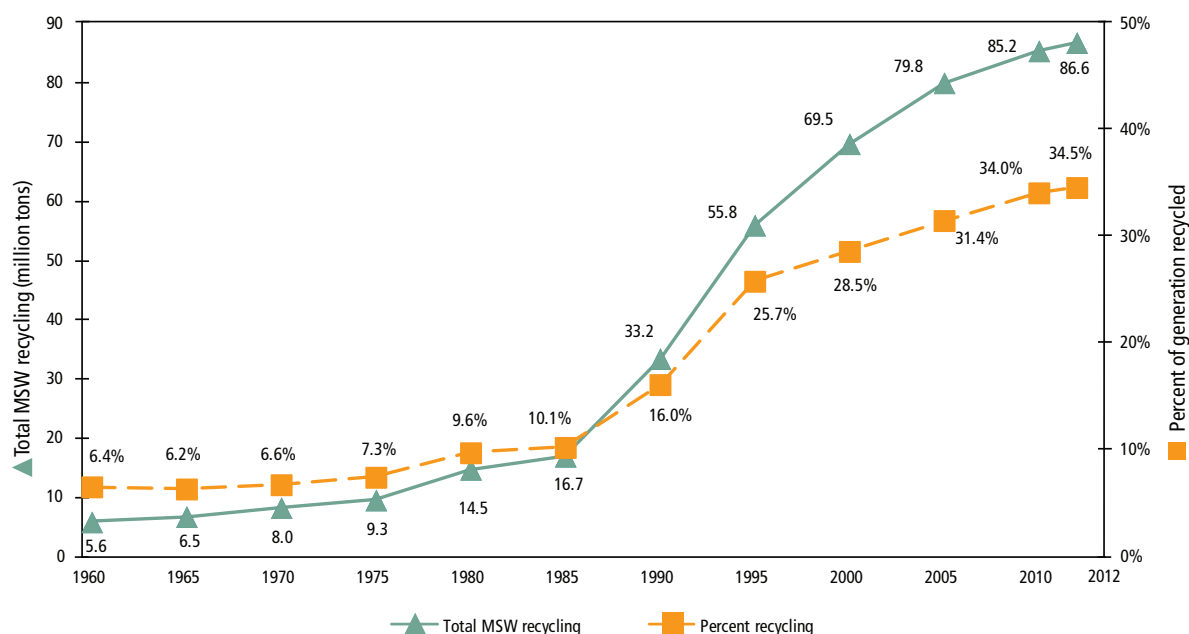
EPA is thinking beyond waste and seeking a systematic approach that provides a transition from waste management to sustainable materials management (SMM). In this year's report, EPA explores the connection between personal consumer expenditures and the generation of wastes. The transition is well under way, with the U.S. economy continuing to provide goods and services for household consumption more efficiently when looking at the MSW generated from consuming those goods and services.

**Figure 1. MSW Generation Rates, 1960 to 2012**



<sup>1</sup> U.S. short tons unless specified.

Figure 2. MSW Recycling Rates, 1960 to 2012



## Trends in Municipal Solid Waste in 2012

Our trash, or municipal solid waste (MSW), is comprised of various items Americans commonly throw away after being used. These include items such as packaging, food waste, grass clippings, sofas, computers, tires, and refrigerators. MSW does not include industrial, hazardous, or construction waste.

In 2012, Americans recovered over 65 million tons of MSW through recycling and over 21 million tons through composting. We combusted about 29 million tons for energy recovery (about 12 percent). Subtracting out what is recycled and composted, we combusted (with energy recovery) or discarded in landfills 2.9 pounds per person per day of MSW.

In 2012, lead-acid battery recovery was about 96 percent (2.8 million tons). Newspaper/mechanical papers recovery was about 70 percent (5.9 million tons), and over 57 percent of yard trimmings were recovered (19.6 million tons) (see Figure 3). About 135 million tons of MSW (53.8 percent) were discarded in landfills in 2012 (see Figure 4).

Over the last few decades, the generation, recycling, composting, and disposal of MSW have changed substantially. Solid waste generation per person per day peaked in 2000 while the 4.38 pounds per person per day is the lowest since the 1980's. The recycling rate has increased—from less than 10 percent of MSW generated in 1980 to over 34 percent in 2012. Disposal of waste to a landfill has decreased from 89 percent of the amount generated in 1980 to under 54 percent of MSW in 2012.

## Sources of MSW

Sources of MSW include residential waste (including waste from apartment houses) and waste from commercial and institutional locations, such as businesses, schools, and hospitals.

Figure 3. Recycling Rates of Selected Products, 2012\*\*

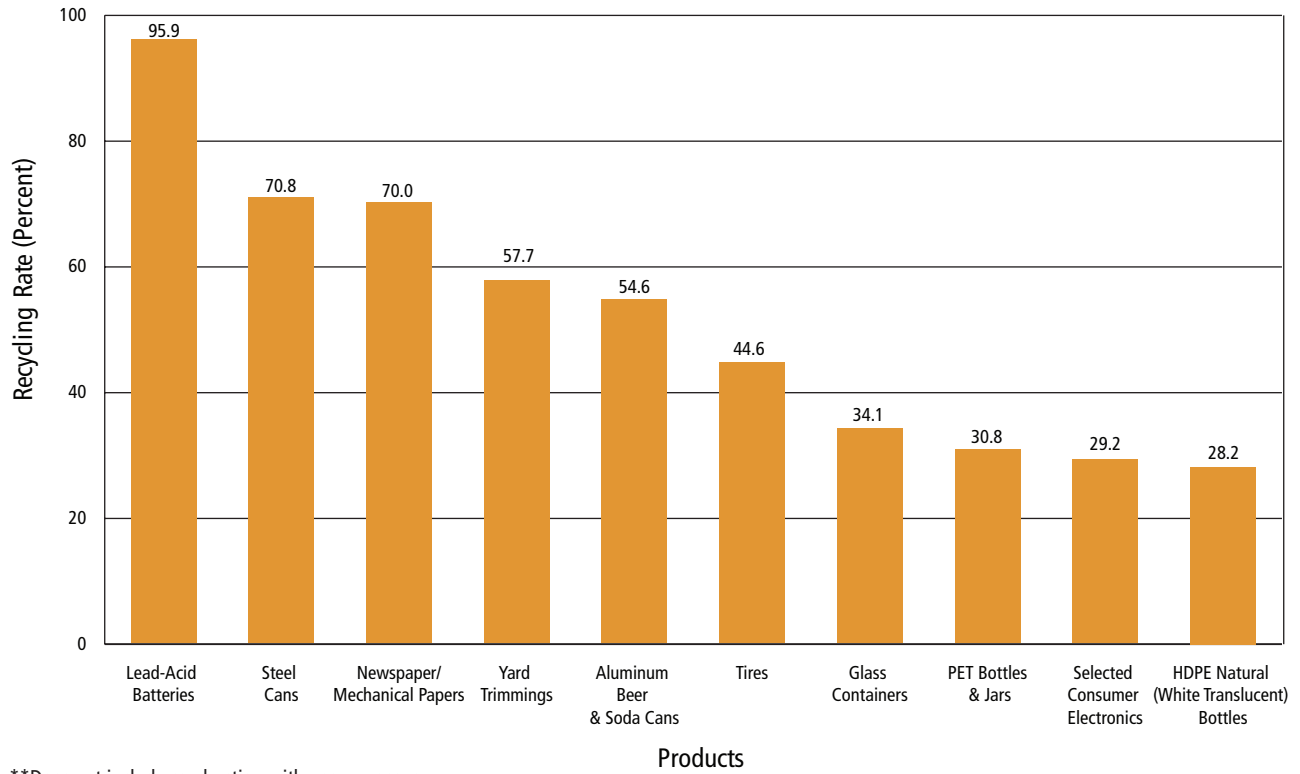
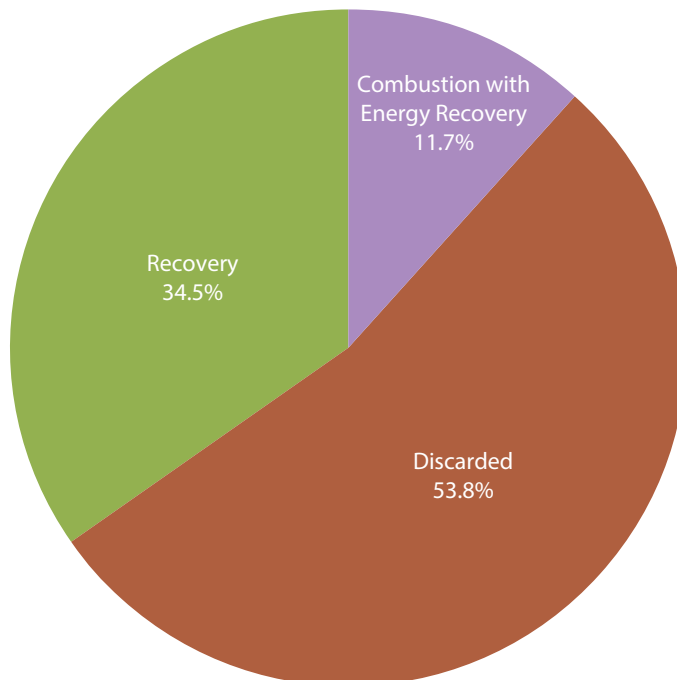


Figure 4. Management of MSW in the United States, 2012





## Analyzing MSW

We analyze waste by material, such as plastics, and paper and paperboard, and by major product categories, which include durable goods (such as furniture), nondurable goods (such as paper or clothing), containers and packaging (such as milk cartons and plastic wrap), and other materials (such as food waste).

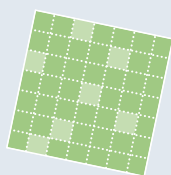
## Materials in MSW

Total MSW generation in 2012 was 251 million tons. Figure 5 shows the breakdown of MSW generated, by material. Organic materials such as paper and paperboard, yard trimmings, and food waste continue to be the largest component of MSW. Paper and paperboard account for over 27 percent and yard trimmings and food waste accounts for another 28 percent. Plastics comprise about 13 percent; metals make up 9 percent; and rubber, leather, and textiles account for almost 9 percent. Wood follows at over 6 percent and glass at almost 5 percent. Other miscellaneous wastes make up approximately 3 percent of the MSW generated in 2012.

Total MSW recovery in 2012 was almost 87 million tons. Paper and paperboard account for over 51 percent and yard trimmings account for over 22 percent, while food waste accounts for another 2 percent. Metals comprise about 9 percent; glass about 4 percent; and plastic and wood about 3 percent each. Other miscellaneous materials make up about 6 percent of MSW recovery in 2012 (see Figure 6).

After MSW recovery through recycling and composting, 164 million tons of MSW were discarded in 2012. Food waste is the largest component of discards at 21 percent. Plastics comprise about 18 percent; paper and paperboard make up almost 15 percent; and rubber, leather, and textiles account for about 11 percent of MSW discards. The other materials account for less than 10 percent each (see Figure 7).

Recycling and composting almost 87 million tons of MSW saved more than 1.1 quadrillion Btu of energy; that's the same amount of energy consumed by almost 10 million U.S. households in a year.

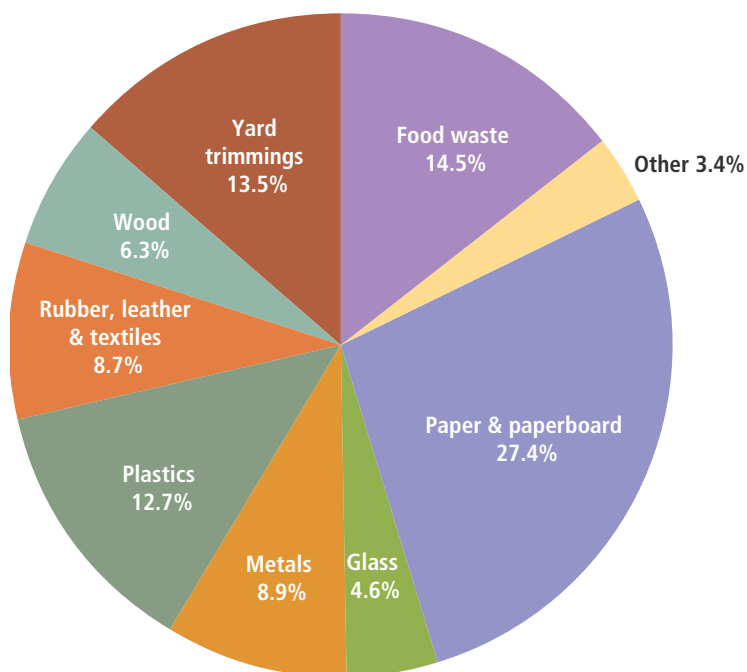


Nationally, Americans recycled and composted almost 87 million tons of municipal solid waste. This provides an annual benefit of more than 168 million metric tons of carbon dioxide equivalent emissions reduced, comparable to the annual GHG emissions from over 33 million passenger vehicles.<sup>2</sup>

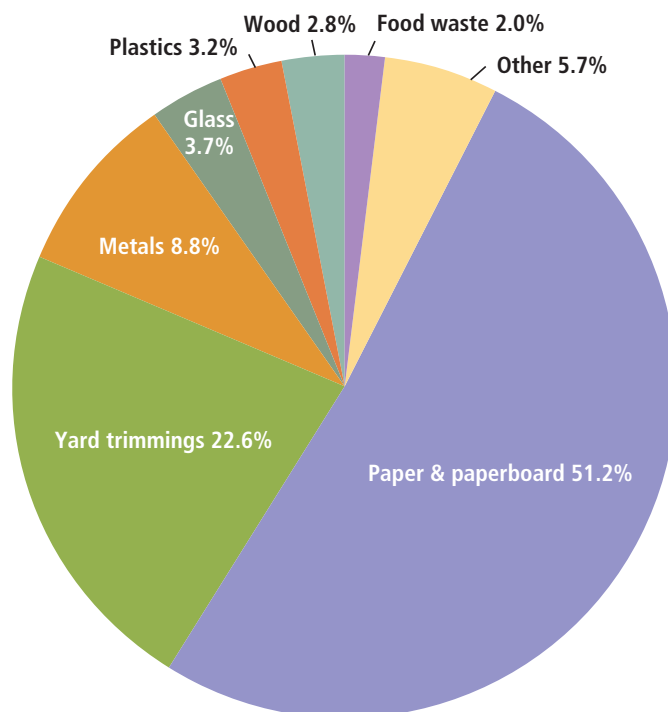
Significant amounts of material from each category were recycled or composted in 2012. The highest recovery rates were achieved in paper and paperboard, yard trimmings, and metals. Americans recycled more than 64 percent of the paper and paperboard generated. Over 19 million tons of yard trimmings were composted, representing almost a five-fold increase since 1990. Recycling these three materials alone kept over 28 percent of MSW generated out of landfills and combustion facilities. Recycling amounts and rates (recovery as a percent of generation) for all materials in 2012 are listed in Table 1. This table also presents millions of tons of discarded materials.

<sup>2</sup> All benefit calculations in this fact sheet are derived from EPA's Waste Reduction Model (WARM). Please see [www.epa.gov/warm](http://www.epa.gov/warm). All benefits information that was included in last year's report only took into account the CO<sub>2</sub> reduction for recycling of materials. In the report this year, we are accounting for both the recycling of those materials and the CO<sub>2</sub> emissions that may occur in the alternative waste management scenarios of landfilling and combustion. This gives us the net overall benefit of recycling these materials.

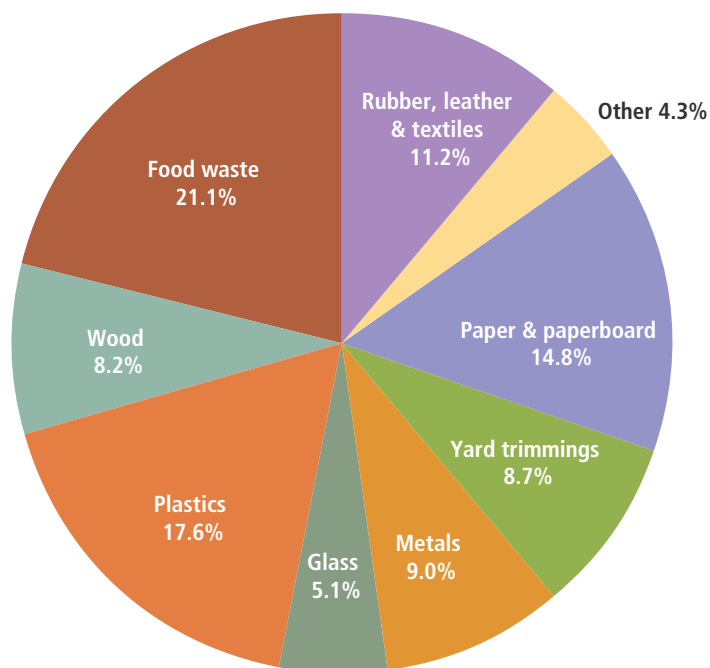
**Figure 5. Total MSW Generation (by material), 2012**  
251 Million Tons (before recycling)



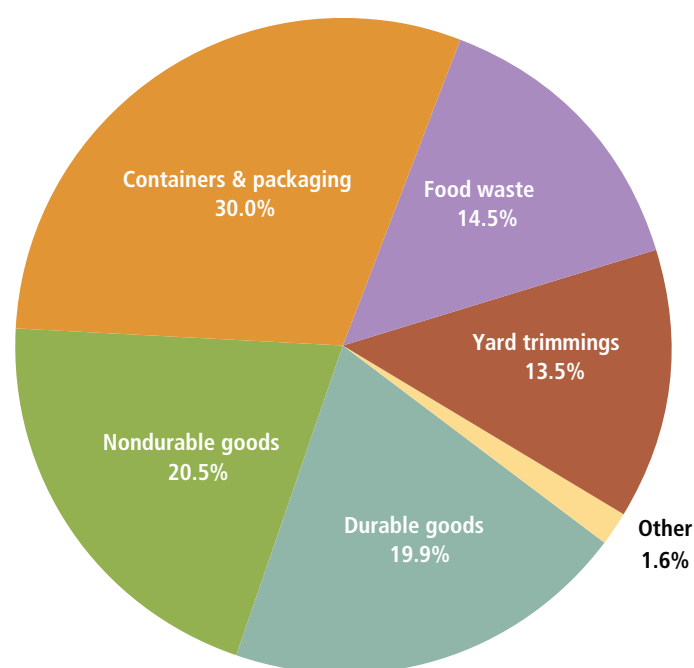
**Figure 6. Total MSW Recovery (by material), 2012**  
87 Million Tons



**Figure 7. Total MSW Discards (by material), 2012**  
164 Million Tons (after recycling and composting)



**Figure 8. Total MSW Generation (by product category), 2012**  
251 Million Tons (before recycling)





**Table 1. Generation, Recovery, and Discards of Materials in MSW, 2012\***  
(in millions of tons and percent of generation of each material)

Material	Weight Generated	Weight Recovered	Recovery as Percent of Generation	Weight Discarded
Paper and paperboard	68.62	44.36	64.6%	24.26
Glass	11.57	3.20	27.7%	8.37
Metals				
Steel	16.80	5.55	33.0%	11.25
Aluminum	3.58	0.71	19.8%	2.87
Other nonferrous metals†	2.00	1.36	68.0%	0.64
<b>Total metals</b>	<b>22.38</b>	<b>7.62</b>	<b>34.0%</b>	<b>14.76</b>
Plastics	31.75	2.80	8.8%	28.95
Rubber and leather	7.53	1.35	17.9%	6.18
Textiles	14.33	2.25	15.7%	12.08
Wood	15.82	2.41	15.2%	13.41
Other materials	4.60	1.30	28.3%	3.30
<b>Total materials in products</b>	<b>176.60</b>	<b>65.29</b>	<b>37.0%</b>	<b>111.31</b>
Other wastes				
Food, other‡	36.43	1.74	4.8%	34.69
Yard trimmings	33.96	19.59	57.7%	14.37
Miscellaneous inorganic wastes	3.90	Negligible	Negligible	3.90
<b>Total other wastes</b>	<b>74.29</b>	<b>21.33</b>	<b>28.7%</b>	<b>52.96</b>
<b>Total municipal solid waste</b>	<b>250.89</b>	<b>86.62</b>	<b>34.5%</b>	<b>164.27</b>

\* Includes waste from residential, commercial, and institutional sources.

† Includes lead from lead-acid batteries.

‡ Includes recovery of other MSW organics for composting.

Details might not add to totals due to rounding.

Negligible = Less than 5,000 tons or 0.05 percent.

## Materials and Products

We track both materials and products. Materials are what products are made of and will ultimately be what is recovered and be reprocessed in the recycling process. Examples are metals and plastic. Products are what people buy and handle. Products are manufactured out of materials. Examples include packaging and newspapers. We track products to learn how people are consuming, using, and discarding materials. This information allows us to target activities that will ultimately maximize the recovery of materials.

## Products in MSW

The breakdown of MSW generated in 2012 by product category is shown in Figure 8. Containers and packaging made up the largest portion of MSW generated: 30 percent, or over 75 million tons. The second largest portion came from nondurable goods, which amounted to over 20 percent, or about 51 million tons. Durable goods make up the third largest segment, accounting for about 20 percent, or 50 million tons.

The generation, recovery, and discards of materials in the product categories, by weight and recovery as a percent of generation, are shown in Table 2. This table shows that the recovery of containers and packaging was the highest of the four product categories, with over 51 percent of the generated materials recycled. Paper products, steel, and aluminum were the most recycled materials by percentage in this category. Over 76 percent of paper and paperboard containers and packaging was recycled. Over 72 percent of steel packaging (mostly cans) was recycled. The recycling rate for aluminum packaging was 38 percent, including almost 55 percent of aluminum beverage cans.

Over 34 percent of glass containers were recycled while about 25 percent of wood packaging, mostly wood pallets, was recovered. About 14 percent of plastic containers and packaging were recycled, mostly from soft drink, milk, and water bottles. Plastic bottles were the most recycled plastic products. Polyethylene terephthalate (PET) bottles and jars were recovered at about 31 percent. Recovery of high density polyethylene (HDPE) natural (white translucent) bottles was also estimated at over 28 percent (see 2012 MSW full data tables).

Overall recovery of nondurable goods was about 34 percent in 2012. Nondurable goods generally last less than three years. Newspapers/mechanical papers and other paper products were the most recycled nondurable goods. Newspapers/mechanical papers include newspapers, directories, inserts, and some advertisement and direct mail printing. Seventy percent of newspapers/mechanical papers were recovered. Collectively, the recovery of other paper products such as office paper and magazines was over 43 percent in 2012. Clothing, footwear, and other textile products are included in the nondurable goods category. These products were recovered for recycling at a rate of over 16 percent.

Overall, more than 18 percent of durable goods was recovered in 2012. Nonferrous metals other than aluminum had one of the highest recovery rates due to the high rate of lead recovery from lead-acid batteries. With an almost 96 percent recycling rate, lead-acid batteries continue to be one of the most recovered products. Recovery of steel in all durable goods was 27 percent, with high rates of recovery from appliances and other miscellaneous items. Recovery of selected consumer electronics was 29% (see 2012 MSW full data tables).

Measured by percentage of generation, products with the highest recovery rates in 2012 were lead-acid batteries (96 percent), corrugated boxes (91 percent), steel cans (71 percent), newspapers/mechanical papers (70 percent), major appliances (64 percent), yard trimmings (58 percent), aluminum cans (55 percent), tires (45 percent), and mixed paper (43 percent) (see 2012 MSW full data tables).

## Recycling Trends

In percentage of total MSW generation, recycling (including composting) did not exceed 15 percent until 1990. Growth in the recycling rate was significant over the next 15 years. The recycling rate has grown more slowly over the last five years.

Every ton of mixed paper recycled can save the energy equivalent of 165 gallons of gasoline.



**Table 2. Generation, Recovery, and Discards of Products in MSW, 2012\***  
(in millions of tons and percent of generation of each product)

Products	Weight Generated	Weight Recovered	Recovery as Percent of Generation	Weight Discarded
<b>Durable goods</b>				
Steel	14.57	3.94	27.0%	10.63
Aluminum	1.52	Not Available	Not Available	1.52
Other non-ferrous metals <sup>†</sup>	2.00	1.36	68.0%	0.64
Glass	2.19	Negligible	Negligible	2.19
Plastics	11.46	0.77	6.7%	10.69
Rubber and leather	6.52	1.35	20.7%	5.17
Wood	6.16	Negligible	Negligible	6.16
Textiles	3.88	0.55	14.2%	3.33
Other materials	1.73	1.30	75.6%	0.42
<b>Total durable goods</b>	<b>50.03</b>	<b>9.27</b>	<b>18.5%</b>	<b>40.76</b>
<b>Nondurable goods</b>				
Paper and paperboard	30.60	15.44	50.5%	15.16
Plastics	6.51	0.13	2.0%	6.38
Rubber and leather	1.01	Negligible	Negligible	1.01
Textiles	10.15	1.70	16.7%	8.45
Other materials	3.07	Negligible	Negligible	3.07
<b>Total nondurable goods</b>	<b>51.34</b>	<b>17.27</b>	<b>33.6%</b>	<b>34.07</b>
<b>Containers and packaging</b>				
Steel	2.23	1.61	72.2%	0.62
Aluminum	1.87	0.71	38.0%	1.16
Glass	9.38	3.20	34.1%	6.18
Paper and paperboard	38.01	28.92	76.1%	9.09
Plastics	13.78	1.90	13.8%	11.88
Wood	9.66	2.41	24.9%	7.25
Other materials	0.30	Negligible	Negligible	0.30
<b>Total containers and packaging</b>	<b>75.23</b>	<b>38.75</b>	<b>51.5%</b>	<b>36.48</b>
<b>Other wastes</b>				
Food, other <sup>‡</sup>	36.43	1.74	4.8%	34.69
Yard trimmings	33.96	19.59	57.7%	14.37
Miscellaneous inorganic wastes	3.90	Negligible	Negligible	3.90
<b>Total other wastes</b>	<b>74.29</b>	<b>21.33</b>	<b>28.7%</b>	<b>52.96</b>
<b>Total municipal solid waste</b>	<b>250.89</b>	<b>86.62</b>	<b>34.5%</b>	<b>164.27</b>

\* Includes waste from residential, commercial, and institutional sources.

† Includes lead from lead-acid batteries.

‡ Includes recovery of other MSW organics for composting.

Details might not add to totals due to rounding.

Negligible = less than 5,000 tons or 0.05 percent.

## Disposing of MSW

While the number of U.S. landfills has steadily declined over the years, the average landfill size has increased. At the national level, landfill capacity appears to be sufficient for our current disposal practices, although it is limited in some areas.

- Since 1990, the total amount of MSW going to landfills dropped by over 11 million tons, from 145.3 million to 135.0 million tons in 2012 (see Table 3).
- The net per capita discard rate to landfills (after recycling, composting, and combustion for energy recovery) was 2.36 pounds per day, lower than the 3.19 per capita rate in 1990 (see Table 4).

### Composting Collection Programs<sup>3</sup>

- About 3,120 community composting programs were documented in 2012, a decrease from 3,227 in 2002.
- Over 2.4 million households were served with food waste composting collection programs in 2012.

**Table 3. Generation, Materials Recovery, Composting, Combustion With Energy Recovery, and Discards of MSW, 1960 to 2012 (in millions of tons)**

Activity	1960	1970	1980	1990	2000	2005	2008	2010	2011	2012
<b>Generation</b>	88.1	121.1	151.6	208.3	243.5	253.7	252.5	250.4	250.4	250.9
<b>Recovery for recycling</b>	5.6	8.0	14.5	29.0	53.0	59.2	61.9	65.0	66.3	65.3
<b>Recovery for composting*</b>	Negligible	Negligible	Negligible	4.2	16.5	20.6	22.1	20.2	20.6	21.3
<b>Total materials recovery</b>	5.6	8.0	14.5	33.2	69.5	79.8	84.0	85.2	86.9	86.6
<b>Discards after recovery</b>	82.5	113.0	137.1	175.0	174.0	173.9	168.5	165.3	163.5	164.3
<b>Combustion with energy recovery†</b>	0.0	0.4	2.7	29.7	33.7	31.6	31.6	29.3	29.3	29.3
<b>Discards to landfill, other disposal‡</b>	82.5	112.6	134.4	145.3	140.3	142.3	136.9	136.0	134.2	135.0

\* Composting of yard trimmings, food waste, and other MSW organic material. Does not include backyard composting.

† Includes combustion of MSW in mass burn or refuse-derived fuel form, and combustion with energy recovery of source separated materials in MSW (e.g., wood pallets, tire-derived fuel).

‡ Discards after recovery minus combustion with energy recovery. Discards include combustion without energy recovery. Details might not add to totals due to rounding.

<sup>3</sup>Source: For 2002 data: BioCycle 2006.

For 2012 data: EPA, Municipal Solid Waste in the United States: 2012 data tables and BioCycle, 2013.

**Table 4. Generation, Materials Recovery, Composting, Combustion With Energy Recovery, and Discards of MSW, 1960 to 2012 (in pounds per person per day)**

Activity	1960	1970	1980	1990	2000	2005	2008	2010	2011	2012
<b>Generation</b>	2.68	3.25	3.66	4.57	4.74	4.69	4.55	4.44	4.40	4.38
<b>Recovery for recycling</b>	0.17	0.22	0.35	0.64	1.03	1.10	1.12	1.15	1.17	1.14
<b>Recovery for composting*</b>	Negligible	Negligible	Negligible	0.09	0.32	0.38	0.40	0.36	0.36	0.37
<b>Total Materials Recovery</b>	0.17	0.22	0.35	0.73	1.35	1.48	1.52	1.51	1.53	1.51
<b>Discards after recovery</b>	2.51	3.03	3.31	3.84	3.39	3.21	3.03	2.93	2.87	2.87
<b>Combustion with energy recovery†</b>	0.00	0.01	0.07	0.65	0.66	0.58	0.57	0.52	0.51	0.51
<b>Discards to landfill, other disposal‡</b>	2.51	3.02	3.24	3.19	2.73	2.63	2.46	2.41	2.36	2.36
<b>Population (millions)</b>	179.979	203.984	227.255	249.907	281.422	296.410	304.060	309.051	311.592	313.914

\* Composting of yard trimmings, food waste, and other MSW organic material. Does not include backyard composting.

† Includes combustion of MSW in mass burn or refuse-derived fuel form, and combustion with energy recovery of source separated materials in MSW (e.g., wood pallets, tire-derived fuel).

‡ Discards after recovery minus combustion with energy recovery. Discards include combustion without energy recovery. Details might not add to totals due to rounding.

## The Benefits of Recycling

Recycling has environmental benefits at every stage in the life cycle of a consumer product—from the raw material with which it's made to its final method of disposal. By utilizing used, unwanted, or obsolete materials as industrial feedstocks or for new materials or products, Americans can each do our part to make recycling, including composting work. Aside from reducing GHG emissions, which contribute to global warming, recycling, including composting also provides significant economic and job creation impacts.

The energy and GHG benefits of recycling and composting shown in Table 5 are calculated using EPA's WARM methodology (see: [www.epa.gov/warm](http://www.epa.gov/warm)). WARM calculates and totals GHG emissions of baseline and alternative waste management practices, including source reduction, recycling, composting, combustion, and landfilling. Paper and paperboard recovery at about 44 million tons resulted in a reduction of 130 MMTCO<sub>2</sub>E in 2012. This is equivalent to removing 27 million cars from the road in one year.

In 2012, nationally, we recycled and composted almost 87 million tons of MSW. This provides an annual benefit of more than 168 million metric tons of carbon dioxide equivalent emissions reduced, comparable to removing the emissions from over 33 million passenger vehicles from the road in one year.

**Table 5. Greenhouse Gas Benefits Associated with Recovery of Specific Materials, 2012\***  
(in millions of tons recovered, MMTCO<sub>2</sub>E and in numbers of cars taken off the road per year)

Material	Weight Recovered (millions of tons)	GHG Benefits MMTCO <sub>2</sub> E	Numbers of Cars Taken Off the Road per Year
Paper and paperboard	44.4	130.5	27 million
Glass	3.20	1	210 thousand
Metals			
Steel	5.55	9	1.9 million
Aluminum	0.71	6.3	1.3 million
Other nonferrous metals†	1.36	5.3	1.1 million
<b>Total metals</b>	<b>7.62</b>	<b>20.6</b>	<b>4.3 million</b>
Plastics	2.80	3.2	670 thousand
Rubber and leather‡	1.35	0.7	145 thousand
Textiles	2.25	5.7	1.2 million
Wood	2.41	4.2	900 thousand
Other wastes			
Food, other^	1.74	1.4	290 thousand
Yard trimmings	19.6	0.8	170 thousand

- \* Includes materials from residential, commercial, and institutional sources.  
These calculations do not include an additional 1.30 million tons of MSW recovered that could not be addressed in the WARM model. MMTCO<sub>2</sub>E is million metric tons of carbon dioxide equivalent.  
All benefits information that was included in last year's report only took into account the CO<sub>2</sub> reduction for recycling of materials. In the report this year, we are accounting for both the recycling of those materials and the CO<sub>2</sub> emissions that may occur in the alternative waste management scenarios of landfilling and combustion. This gives us the net overall benefit of recycling these materials.
- † Includes lead from lead-acid batteries. Other nonferrous metals calculated in WARM as mixed metals.
- ‡ Recovery only includes rubber from tires.
- ^ Includes recovery of other MSW organics for composting.
- Source: WARM model ([www.epa.gov/warm](http://www.epa.gov/warm))

## MSW Generation and Household Spending

Over the years, the change in the amount of MSW generated has typically imitated trends in how much money American households spend on goods and services. Personal Consumer Expenditures (PCE) measures U.S. household spending on goods and services such as food, clothing, vehicles, and recreation services. PCE accounts for approximately 70 percent of U.S. Gross Domestic Product, a key indicator of economic growth. PCE adjusted for inflation is referred to as real PCE. This is a more useful metric in making comparisons over time because it normalizes the value of a dollar by considering how much a dollar could purchase in the past versus today. Figure 9 explores the relationship between MSW generated and real PCE since 1960.

Figure 9 is an indexed graph showing the relative changes in real PCE, MSW generated, and MSW generated per capita

Recycling just 1 ton of aluminum cans conserves more than 153 million Btu, the equivalent of 26 barrels of oil, or 1,665 gallons of gasoline.

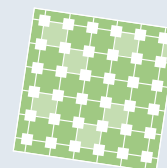
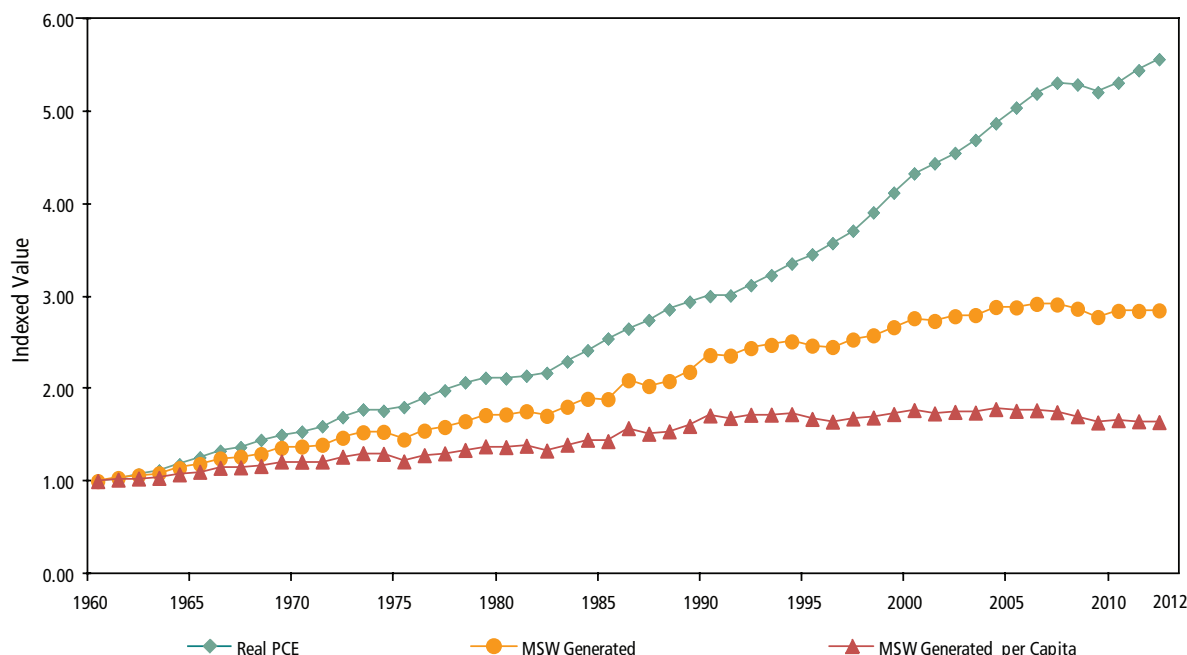


Figure 9. Indexed MSW Generated and Real PCE over Time (1960-2012)



over time. It is indexed to allow all three of these metrics to be shown on the same graph and compare their relative rates of change since 1960. The indexed value indicates the change in the value of the data since 1960. For example, if for a given year the value is three then the data value for that year would be three times the 1960 value. In this case, if the 1960 value was 200 then the resulting year's value would be 600. The 2012 MSW per capita generation indexed value is 1.6 which means MSW per capita generation has increased by 60 percent since 1960.

Figure 9 shows that real PCE has increased at a faster rate than MSW generation, and the disparity has become even more distinct since the mid 1990s. This indicates the amount of MSW generated per dollar spent is falling. In other words, our economy has been able to enjoy dramatic increases in household spending on consumer goods and services without this being at the expense of the societal impact of similarly increasing MSW generation rates. This figure also shows that the MSW generated per capita leveled off in the early- to mid-2000s and has fallen since then. This is important because as population continues to grow, it will be necessary for MSW generated per capita to continue to fall to maintain or decrease the total amount of MSW generated as a country.

## Thinking Beyond Waste

EPA is helping change the way our society protects the environment and conserves resources for future generations by thinking beyond recycling, composting, and disposal. Building on the familiar concept of Reduce, Reuse, Recycle, the Agency is employing a systemic approach that seeks to reduce materials use and associated environmental impacts over their entire life cycle, called sustainable materials management

### Energy Recovered from Waste Combustion

- In 2012, over 29 million tons of materials, or 11.7 percent, were combusted for energy recovery.
- MSW combustion for energy recovery has decreased from about 34 million tons in 2000 to 29 million tons in 2012.



(SMM). This starts with extraction of natural resources and material processing through product design and manufacturing then the product use stage followed by collection/processing and final end of life (disposal). By examining how materials are used throughout their life cycle, an SMM approach seeks to use materials in the most productive way with an emphasis on using less; reducing toxic chemicals and environmental impacts throughout the material's life cycle; and assuring we have sufficient resources to meet today's needs and those of the future. Data on municipal solid waste generation, recycling and disposal is an important starting point for the full SMM approach.

## Resources

The data summarized in this fact sheet characterizes the MSW stream as a whole by using a materials flow methodology that relies on a mass balance approach. For example, to determine the amounts of paper recycled, information is gathered on the amounts processed by paper mills and made into new paper on a national basis plus recycled paper exported, instead of counting paper collected for recycling on a state-by-state basis. Using data gathered from industry associations, businesses, and government sources, such as the U.S. Department of Commerce and the U.S. Census Bureau, we estimate tons of materials and products generated, recycled, and discarded. Other sources of data, such as waste characterizations and research reports performed by governments, industry, or the press, supplement these data.

The benefits of recycling and composting, such as elimination of GHG emissions, are calculated using EPA's WARM methodology. WARM calculates and totals GHG emissions of baseline and alternative waste management practices including source reduction, recycling, composting, combustion, and landfilling. The model calculates emissions in metric tons of carbon equivalent (MTCE), metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>E), and energy units (million Btu) across a wide range of material types commonly found in MSW. EPA developed GHG emissions reduction factors through a life-cycle assessment methodology. Please see: [www.epa.gov/warm](http://www.epa.gov/warm).

Full data tables on MSW characterization that support this Report and Summaries of the MSW characterization methodology and WARM are available on the EPA website along with information about waste reduction and recycling. Please see:

[www.epa.gov/epawaste/nonhaz/municipal/msw99.htm](http://www.epa.gov/epawaste/nonhaz/municipal/msw99.htm)

[www.epa.gov/recycle](http://www.epa.gov/recycle)





United States Environmental Protection Agency  
Solid Waste and Emergency Response (5306P)  
Washington, DC 20460

Official Business  
Penalty for Private Use \$300

EPA-530-F-14-001  
February 2014  
[www.epa.gov/wastes](http://www.epa.gov/wastes)

**APPENDIX 15-5**

**QUICK FACT SUMMARIES**

**DEMOGRAPHICS**


[State & County QuickFacts](#)

## Appomattox County, Virginia

People QuickFacts	Appomattox County	Virginia
Population, 2013 estimate	15,255	8,260,405
Population, 2010 (April 1) estimates base	14,977	8,001,031
Population, percent change, April 1, 2010 to July 1, 2013	1.9%	3.2%
Population, 2010	14,973	8,001,024
Persons under 5 years, percent, 2013	6.1%	6.2%
Persons under 18 years, percent, 2013	21.9%	22.6%
Persons 65 years and over, percent, 2013	18.6%	13.4%
Female persons, percent, 2013	51.6%	50.8%
<hr/>		
White alone, percent, 2013 (a)	77.7%	70.8%
Black or African American alone, percent, 2013 (a)	19.9%	19.7%
American Indian and Alaska Native alone, percent, 2013 (a)	0.3%	0.5%
Asian alone, percent, 2013 (a)	0.3%	6.1%
Native Hawaiian and Other Pacific Islander alone, percent, 2013 (a)	Z	0.1%
Two or More Races, percent, 2013	1.7%	2.7%
Hispanic or Latino, percent, 2013 (b)	1.2%	8.6%
White alone, not Hispanic or Latino, percent, 2013	76.7%	63.6%
<hr/>		
Living in same house 1 year & over, percent, 2009-2013	95.5%	84.7%
Foreign born persons, percent, 2009-2013	0.9%	11.3%
Language other than English spoken at home, pct age 5+, 2009-2013	1.2%	14.9%
High school graduate or higher, percent of persons age 25+, 2009-2013	82.2%	87.5%
<hr/>		
Bachelor's degree or higher, percent of persons age 25+,		

2009-2013	15.0%	35.2%
Veterans, 2009-2013	1,481	726,470
Mean travel time to work (minutes), workers age 16+, 2009-2013	28.6	27.7
Housing units, 2013	6,999	3,412,460
Homeownership rate, 2009-2013	80.2%	67.3%
Housing units in multi-unit structures, percent, 2009-2013	3.3%	21.7%
Median value of owner-occupied housing units, 2009-2013	\$145,400	\$244,600
Households, 2009-2013	5,803	3,022,739
Persons per household, 2009-2013	2.58	2.60
Per capita money income in past 12 months (2013 dollars), 2009-2013	\$23,636	\$33,493
Median household income, 2009-2013	\$50,167	\$63,907
Persons below poverty level, percent, 2009-2013	17.7%	11.3%

Business QuickFacts	Appomattox County	Virginia
Private nonfarm establishments, 2012	275	192,730 <sup>1</sup>
Private nonfarm employment, 2012	2,286	3,089,241 <sup>1</sup>
Private nonfarm employment, percent change, 2011-2012	-2.9%	2.0% <sup>1</sup>
Nonemployer establishments, 2012	837	529,636
-----		
Total number of firms, 2007	1,111	638,643
Black-owned firms, percent, 2007	S	9.9%
American Indian- and Alaska Native-owned firms, percent, 2007	S	0.5%
Asian-owned firms, percent, 2007	F	7.0%
Native Hawaiian and Other Pacific Islander-owned firms, percent, 2007	F	0.1%
Hispanic-owned firms, percent, 2007	F	4.5%
Women-owned firms, percent, 2007	29.2%	30.1%
-----		
Manufacturers shipments, 2007 (\$1000)	D	92,417,797
Merchant wholesaler sales, 2007 (\$1000)	16,795	60,513,396
Retail sales, 2007 (\$1000)	107,167	105,663,299
Retail sales per capita, 2007	\$7,551	\$13,687
-----		
Accommodation and food services sales, 2007 (\$1000)	7,267	15,340,483
Building permits, 2012	47	27,278

Appomattox

Geography QuickFacts	County	Virginia
Land area in square miles, 2010	333.49	39,490.09
Persons per square mile, 2010	44.9	202.6
FIPS Code	011	51
Metropolitan or Micropolitan Statistical Area	Lynchburg, VA Metro Area	

1: Includes data not distributed by county.

(a) Includes persons reporting only one race.

(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

F: Fewer than 25 firms

FN: Footnote on this item for this area in place of data

NA: Not available

S: Suppressed; does not meet publication standards

X: Not applicable

Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits

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## State & County QuickFacts

# Campbell County, Virginia

People QuickFacts	Campbell County	Virginia
Population, 2013 estimate	55,235	8,260,405
Population, 2010 (April 1) estimates base	54,842	8,001,031
Population, percent change, April 1, 2010 to July 1, 2013	0.7%	3.2%
Population, 2010	54,842	8,001,024
Persons under 5 years, percent, 2013	4.9%	6.2%
Persons under 18 years, percent, 2013	20.5%	22.6%
Persons 65 years and over, percent, 2013	17.6%	13.4%
Female persons, percent, 2013	51.6%	50.8%
<hr/>		
White alone, percent, 2013 (a)	82.5%	70.8%
Black or African American alone, percent, 2013 (a)	14.4%	19.7%
American Indian and Alaska Native alone, percent, 2013 (a)	0.3%	0.5%
Asian alone, percent, 2013 (a)	1.0%	6.1%
Native Hawaiian and Other Pacific Islander alone, percent, 2013 (a)	Z	0.1%
Two or More Races, percent, 2013	1.7%	2.7%
Hispanic or Latino, percent, 2013 (b)	2.0%	8.6%
White alone, not Hispanic or Latino, percent, 2013	80.8%	63.6%
<hr/>		
Living in same house 1 year & over, percent, 2009-2013	89.8%	84.7%
Foreign born persons, percent, 2009-2013	1.8%	11.3%
Language other than English spoken at home, pct age 5+, 2009-2013	2.6%	14.9%
High school graduate or higher, percent of persons age 25+, 2009-2013	83.8%	87.5%
<hr/>		
Bachelor's degree or higher, percent of persons age 25+,		

2009-2013	17.1%	35.2%
Veterans, 2009-2013	4,848	726,470
Mean travel time to work (minutes), workers age 16+, 2009-2013	22.1	27.7
Housing units, 2013	24,905	3,412,460
Homeownership rate, 2009-2013	76.0%	67.3%
Housing units in multi-unit structures, percent, 2009-2013	10.0%	21.7%
Median value of owner-occupied housing units, 2009-2013	\$150,300	\$244,600
Households, 2009-2013	21,774	3,022,739
Persons per household, 2009-2013	2.50	2.60
Per capita money income in past 12 months (2013 dollars), 2009-2013	\$23,231	\$33,493
Median household income, 2009-2013	\$47,162	\$63,907
Persons below poverty level, percent, 2009-2013	14.7%	11.3%

Business QuickFacts	Campbell County	Virginia
Private nonfarm establishments, 2012	1,170	192,730 <sup>1</sup>
Private nonfarm employment, 2012	13,934	3,089,241 <sup>1</sup>
Private nonfarm employment, percent change, 2011-2012	1.9%	2.0% <sup>1</sup>
Nonemployer establishments, 2012	2,795	529,636
-----		
Total number of firms, 2007	3,701	638,643
Black-owned firms, percent, 2007	S	9.9%
American Indian- and Alaska Native-owned firms, percent, 2007	F	0.5%
Asian-owned firms, percent, 2007	S	7.0%
Native Hawaiian and Other Pacific Islander-owned firms, percent, 2007	F	0.1%
Hispanic-owned firms, percent, 2007	F	4.5%
Women-owned firms, percent, 2007	29.1%	30.1%
-----		
Manufacturers shipments, 2007 (\$1000)	1,527,558	92,417,797
Merchant wholesaler sales, 2007 (\$1000)	249,388	60,513,396
Retail sales, 2007 (\$1000)	511,759	105,663,299
Retail sales per capita, 2007	\$9,742	\$13,687
-----		
Accommodation and food services sales, 2007 (\$1000)	32,679	15,340,483
Building permits, 2012	278	27,278

Campbell

Geography QuickFacts	County	Virginia
Land area in square miles, 2010	503.87	39,490.09
Persons per square mile, 2010	108.8	202.6
FIPS Code	031	51
Metropolitan or Micropolitan Statistical Area	Lynchburg, VA Metro Area	

1: Includes data not distributed by county.

(a) Includes persons reporting only one race.

(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

F: Fewer than 25 firms

FN: Footnote on this item for this area in place of data

NA: Not available

S: Suppressed; does not meet publication standards

X: Not applicable

Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits

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## State & County QuickFacts

# Lynchburg city, Virginia

People QuickFacts	Lynchburg city	Virginia
Population, 2013 estimate	78,014	8,260,405
Population, 2010 (April 1) estimates base	75,568	8,001,031
Population, percent change, April 1, 2010 to July 1, 2013	3.2%	3.2%
Population, 2010	75,568	8,001,024
Persons under 5 years, percent, 2013	6.3%	6.2%
Persons under 18 years, percent, 2013	19.6%	22.6%
Persons 65 years and over, percent, 2013	14.0%	13.4%
Female persons, percent, 2013	53.0%	50.8%
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White alone, percent, 2013 (a)	65.8%	70.8%
Black or African American alone, percent, 2013 (a)	28.6%	19.7%
American Indian and Alaska Native alone, percent, 2013 (a)	0.4%	0.5%
Asian alone, percent, 2013 (a)	2.9%	6.1%
Native Hawaiian and Other Pacific Islander alone, percent, 2013 (a)	0.1%	0.1%
Two or More Races, percent, 2013	2.1%	2.7%
Hispanic or Latino, percent, 2013 (b)	3.3%	8.6%
White alone, not Hispanic or Latino, percent, 2013	63.1%	63.6%
<hr/>		
Living in same house 1 year & over, percent, 2009-2013	73.9%	84.7%
Foreign born persons, percent, 2009-2013	5.0%	11.3%
Language other than English spoken at home, pct age 5+, 2009-2013	6.7%	14.9%
High school graduate or higher, percent of persons age 25+, 2009-2013	86.0%	87.5%
<hr/>		
Bachelor's degree or higher, percent of persons age 25+,		

2009-2013	31.2%	35.2%
Veterans, 2009-2013	5,488	726,470
Mean travel time to work (minutes), workers age 16+, 2009-2013	16.9	27.7
Housing units, 2013	32,165	3,412,460
Homeownership rate, 2009-2013	52.7%	67.3%
Housing units in multi-unit structures, percent, 2009-2013	32.1%	21.7%
Median value of owner-occupied housing units, 2009-2013	\$145,800	\$244,600
Households, 2009-2013	28,556	3,022,739
Persons per household, 2009-2013	2.35	2.60
Per capita money income in past 12 months (2013 dollars), 2009-2013	\$21,440	\$33,493
Median household income, 2009-2013	\$38,138	\$63,907
Persons below poverty level, percent, 2009-2013	24.7%	11.3%

Business QuickFacts	Lynchburg city	Virginia
Private nonfarm establishments, 2012	2,180	192,730 <sup>1</sup>
Private nonfarm employment, 2012	55,139	3,089,241 <sup>1</sup>
Private nonfarm employment, percent change, 2011-2012	-1.3%	2.0% <sup>1</sup>
Nonemployer establishments, 2012	3,836	529,636
-----		
Total number of firms, 2007	4,794	638,643
Black-owned firms, percent, 2007	11.6%	9.9%
American Indian- and Alaska Native-owned firms, percent, 2007	F	0.5%
Asian-owned firms, percent, 2007	2.0%	7.0%
Native Hawaiian and Other Pacific Islander-owned firms, percent, 2007	F	0.1%
Hispanic-owned firms, percent, 2007	S	4.5%
Women-owned firms, percent, 2007	26.4%	30.1%
-----		
Manufacturers shipments, 2007 (\$1000)	2,801,602	92,417,797
Merchant wholesaler sales, 2007 (\$1000)	541,451	60,513,396
Retail sales, 2007 (\$1000)	1,665,130	105,663,299
Retail sales per capita, 2007	\$23,171	\$13,687
-----		
Accommodation and food services sales, 2007 (\$1000)	189,961	15,340,483
Building permits, 2012	236	27,278

Lynchburg

Geography QuickFacts	city	Virginia
Land area in square miles, 2010	49.13	39,490.09
Persons per square mile, 2010	1,538.2	202.6
FIPS Code	680	51
Metropolitan or Micropolitan Statistical Area	Lynchburg, VA Metro Area	

1: Includes data not distributed by county.

(a) Includes persons reporting only one race.

(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

F: Fewer than 25 firms

FN: Footnote on this item for this area in place of data

NA: Not available

S: Suppressed; does not meet publication standards

X: Not applicable

Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits

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[State & County QuickFacts](#)

## Nelson County, Virginia

People QuickFacts	Nelson County	Virginia
Population, 2013 estimate	14,789	8,260,405
Population, 2010 (April 1) estimates base	15,020	8,001,031
Population, percent change, April 1, 2010 to July 1, 2013	-1.5%	3.2%
Population, 2010	15,020	8,001,024
Persons under 5 years, percent, 2013	4.6%	6.2%
Persons under 18 years, percent, 2013	18.8%	22.6%
Persons 65 years and over, percent, 2013	22.7%	13.4%
Female persons, percent, 2013	51.0%	50.8%
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White alone, percent, 2013 (a)	84.4%	70.8%
Black or African American alone, percent, 2013 (a)	12.6%	19.7%
American Indian and Alaska Native alone, percent, 2013 (a)	0.4%	0.5%
Asian alone, percent, 2013 (a)	0.6%	6.1%
Native Hawaiian and Other Pacific Islander alone, percent, 2013 (a)	Z	0.1%
Two or More Races, percent, 2013	1.9%	2.7%
Hispanic or Latino, percent, 2013 (b)	3.5%	8.6%
White alone, not Hispanic or Latino, percent, 2013	81.7%	63.6%
<hr/>		
Living in same house 1 year & over, percent, 2009-2013	88.6%	84.7%
Foreign born persons, percent, 2009-2013	3.0%	11.3%
Language other than English spoken at home, pct age 5+, 2009-2013	2.4%	14.9%
High school graduate or higher, percent of persons age 25+, 2009-2013	80.8%	87.5%
<hr/>		
Bachelor's degree or higher, percent of persons age 25+,		

2009-2013	26.7%	35.2%
Veterans, 2009-2013	1,327	726,470
Mean travel time to work (minutes), workers age 16+, 2009-2013	33.2	27.7
Housing units, 2013	9,978	3,412,460
Homeownership rate, 2009-2013	75.8%	67.3%
Housing units in multi-unit structures, percent, 2009-2013	13.1%	21.7%
Median value of owner-occupied housing units, 2009-2013	\$192,900	\$244,600
Households, 2009-2013	6,404	3,022,739
Persons per household, 2009-2013	2.31	2.60
Per capita money income in past 12 months (2013 dollars), 2009-2013	\$26,059	\$33,493
Median household income, 2009-2013	\$48,789	\$63,907
Persons below poverty level, percent, 2009-2013	14.2%	11.3%
Business QuickFacts	Nelson County	Virginia
Private nonfarm establishments, 2012	372	192,730 <sup>2</sup>
Private nonfarm employment, 2012	2,737	3,089,241 <sup>2</sup>
Private nonfarm employment, percent change, 2011-2012	-8.7%	2.0% <sup>2</sup>
Nonemployer establishments, 2012	1,249	529,636
Total number of firms, 2007	1,927	638,643
Black-owned firms, percent, 2007	S	9.9%
American Indian- and Alaska Native-owned firms, percent, 2007	F	0.5%
Asian-owned firms, percent, 2007	F	7.0%
Native Hawaiian and Other Pacific Islander-owned firms, percent, 2007	F	0.1%
Hispanic-owned firms, percent, 2007	S	4.5%
Women-owned firms, percent, 2007	32.8%	30.1%
Manufacturers shipments, 2007 (\$1000)	0 <sup>1</sup>	92,417,797
Merchant wholesaler sales, 2007 (\$1000)	6,692	60,513,396
Retail sales, 2007 (\$1000)	75,628	105,663,299
Retail sales per capita, 2007	\$4,967	\$13,687
Accommodation and food services sales, 2007 (\$1000)	6,178	15,340,483
Building permits, 2012	43	27,278

Nelson

Geography QuickFacts	County	Virginia
Land area in square miles, 2010	470.86	39,490.09
Persons per square mile, 2010	31.9	202.6
FIPS Code	125	51
Metropolitan or Micropolitan Statistical Area	Charlottesville, VA Metro Area	

1: Counties with 500 employees or less are excluded.

2: Includes data not distributed by county.

(a) Includes persons reporting only one race.

(b) Hispanics may be of any race, so also are included in applicable race categories.

D: Suppressed to avoid disclosure of confidential information

F: Fewer than 25 firms

FN: Footnote on this item for this area in place of data

NA: Not available

S: Suppressed; does not meet publication standards

X: Not applicable

Z: Value greater than zero but less than half unit of measure shown

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits

Last Revised: Thursday, 04-Dec-2014 15:07:49 EST

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**APPENDIX 15-6**

**POPULATION PROJECTIONS**

**APPENDIX 15-6****REGION 2000 SERVICES AUTHORITY****POPULATION PROJECTIONS****2010 THROUGH 2040**

Population data for 2010 is census data and 2013 is projections as identified in Quick Facts for each locality.

Projections for 2020, 2030 and 2040 taken from Weldon Cooper website.

YEAR	LYNCHBURG	CAMPBELL COUNTY	APPOMATTOX COUNTY	NELSON COUNTY	REGIONAL TOTAL	ESTIMATED ANNUAL REGIONAL CHANGE
2010	75,568	54,842	14,973	15,020	160,403	
2011	76,383	54,973	15,067	14,943	161,366	0.60%
2012	77,198	55,104	15,161	14,866	162,329	0.59%
2013	78,014	55,235	15,255	14,789	163,293	0.59%
2014	78,330	55,606	15,338	14,832	164,106	0.50%
2015	78,646	55,977	15,421	14,875	164,919	0.49%
2016	78,962	56,348	15,504	14,918	165,732	0.49%
2017	79,278	56,719	15,587	14,961	166,545	0.49%
2018	79,594	57,090	15,670	15,004	167,358	0.49%
2019	79,910	57,461	15,753	15,047	168,171	0.48%
2020	80,229	57,834	15,833	15,091	168,987	0.48%
2021	80,590	58,096	15,905	15,086	169,677	0.41%
2022	80,951	58,358	15,977	15,081	170,367	0.41%
2023	81,312	58,620	16,049	15,076	171,057	0.40%
2024	81,673	58,882	16,121	15,071	171,747	0.40%
2025	82,034	59,144	16,193	15,066	172,437	0.40%
2026	82,395	59,406	16,265	15,061	173,127	0.40%
2027	82,756	59,668	16,337	15,056	173,817	0.40%
2028	83,117	59,930	16,409	15,051	174,507	0.40%
2029	83,478	60,192	16,481	15,046	175,197	0.39%
2030	83,840	60,459	16,551	15,044	175,894	0.40%
2031	84,170	60,696	16,615	15,037	176,518	0.35%
2032	84,500	60,933	16,679	15,030	177,142	0.35%
2033	84,830	61,170	16,743	15,023	177,766	0.35%
2034	85,160	61,407	16,807	15,016	178,390	0.35%
2035	85,490	61,644	16,871	15,009	179,014	0.35%
2036	85,820	61,881	16,935	15,002	179,638	0.35%
2037	86,150	62,118	16,999	14,995	180,262	0.35%
2038	86,480	62,355	17,063	14,988	180,886	0.34%
2039	86,810	62,592	17,127	14,981	181,510	0.34%
2040	87,137	62,825	17,191	14,976	182,129	0.34%



**APPENDIX 15-7**

**ECONOMIC INFORMATION**

**Table 3-4**  
**Region 2000 - Selected Major Manufacturers**

<b>Name</b>	<b>Product</b>
Babcock & Wilcox Nuclear	Power Boiler & Heat Exchange Manufacturing
Areva NP Inc.	Chemical & Component Manufacturing
Harris Corporation	Telecommunications
BGF Industries Inc.	Textiles - Fiberglass Fabrics
Moore's Electrical and Mechanical	Specialty Trade Contractor
Abbott Laboratories	Food Manufacturing - Adult/Infant Nutritional
Tri Tech Laboratories Inc	Chemical Manufacturing
Barr Laboratories Inc	R & D in Biotechnology / Wholesaler
Southern Air Inc.	Heating/Cooling Systems
R.R. Donnelley Printing	Publishing, Printing
Frito Lay Inc	Snack Food Merchant Wholesaler
C.B. Fleet, Inc.	Pharmaceuticals / Non-prescription
Delta Star	Electrical Equipment Manufacturing
GP Big Island LLC	Paper Manufacturing
Glad Manufacturing Company	Plastics and Rubber Product Manufacturing
Air & Liquid Systems Corp	Fabricated Metal Product Manufacturing
Greif Packaging LLC	Paper / Metal Container Manufacturing
Flowserve Red Corporation	Machinery Manufacturing

Source: Virginia Employment Commission

**Table 3-5**  
**Region 2000 - Percent Employment by Sector (2nd Qtr. 2014)**

<b>Sector</b>	<b>Appomattox County</b>	<b>Campbell County</b>	<b>Nelson County</b>	<b>City of Lynchburg</b>	<b>Region 2000 Average</b>
Agriculture Forestry Fishing and Hunting	1.7	1.1	6.7		2.4
Mining Quarrying and Oil and Gas Extraction					0.0
Utilities		0.4			0.1
Construction	8.2	10.3	6.3	3.2	7.0
Manufacturing	3.8	28.6	12.8	12.4	14.4
Wholesale Trade	2.2	3.3	0.5	3.1	2.3
Retail Trade	21.3	10.1	6.9	13.7	13.0
Transportation and Warehousing	0.8	2.6	1	1.8	1.6
Information		0.9	0.7	1	0.7
Finance and Insurance	1.4	1.8	1.2	4.6	2.3
Real Estate and Rental and Leasing	0.5	0.7	1	1.3	0.9
Professional Scientific and Technical Services	2.2	2.8	3.9	6.3	3.8
Management of Companies and Enterprises	2.3	0.5	0.3	3.1	1.6
Administrative and Support and Waste Management	0.6	4.8	2.5	4.6	3.1
Educational Services				3.2	0.8
Health Care and Social Assistance	14.2	6.6	8.8	18.5	12.0
Arts Entertainment and Recreation		1.2	0.4	0.8	0.6
Accommodation and Food Services	8	7.3	18.6	9.6	10.9
Other Services	2.8	2.2	6.1	2.8	3.5
Public Administration	27	14.4	19.4	9.7	17.6
Unclassified	0	0	0	0	0.0
<b>Total</b>	<b>97</b>	<b>99.6</b>	<b>97.1</b>	<b>99.7</b>	<b>98.4</b>

Source: Virginia Economic Development Partnership

**Table 3-6**  
**Region 2000 - Employment by Percent Occupation (2012)**

	<b>Region 2000</b>
<b>Sector</b>	
Construction, Extraction & Maintenance	9.1
Farmin, Fishing & Forestry	0.2
Managerial, Professional & Related	26.1
Production, Transportation & Material Moving	18.1
Sales & Office	26.2
Service	20.4
<b>Total</b>	<b>100</b>

Source: Virginia Economic Development Partnership

**APPENDIX 15-8**

**TONNAGE INFORMATION**

APPENDIX 15-8: TABLE 1																	
REGION 2000 SERVICES AUTHORITY																	
TONNAGE REPORTED																	
FY 2009 THROUGH FY 2014																	
	LYNCHBURG			CAMPBELL COUNTY			APPOMATTOX COUNTY			NELSON COUNTY			CITY OF BEDFORD				
FISCAL YEAR	CTLF	LRLF	TOTAL	CTLF	LRLF	TOTAL	CTLF	LRLF	TOTAL	CTLF	LRLF	TOTAL	CTLF	LRLF	TOTAL	REGIONAL TOTAL	ESTIMATED ANNUAL REGIONAL CHANGE
2009	172,604		172,604	31,742		31,742	7,478		7,478	9,766		9,766	3,290		3,290	224,880	
2010	180,206		180,206	34,565		34,565	7,270		7,270	10,193		10,193	3,221		3,221	235,455	4.49%
2011	162,752		162,752	34,716		34,716	7,504		7,504	9,632		9,632	5,571		5,571	220,175	-6.94%
2012	177,758	4,674	182,432	32,814	3,128	35,942	6,260	834	7,094	8,041	1,014	9,055	4,239	114	4,353	238,876	7.83%
2013	10,232	192,056	202,288	695	37,317	38,012	87	5,884	5,971	0	8,840	8,840	18	3,378	3,396	258,507	7.59%
2014	6,886	150,894	157,780	1	36,431	36,432	0	5,847	5,847	0	9,759	9,759	0	1	1	209,819	-23.20%

<b>APPENDIX 15-8: TABLE 2</b>					
<b>REGION 2000 SERVICES AUTHORITY</b>					
<b>TONNAGE REPORTED - SWIA FORMS</b>					
<b>2009 THROUGH 2014</b>					
Calendar years (Note City of Bedford data on fiscal year basis as reported by Authority.)					
	<b>LRLF</b>	<b>CTLF</b>			
	<b>Permit 610</b>	<b>Permit 558</b>	<b>TOTAL</b>	<b>City of Bedford</b>	<b>TOTAL WITHOUT CITY OF BEDFORD</b>
2009	0	220,478	220,478	3,290	217,188
2010	0	257,973	257,973	3,221	254,752
2011	0	214,950	214,950	5,571	209,379
2012	145,093	111,364	256,457	4,353	252,104
2013	204,048	3,581	207,629	3,396	204,233
<b>AVG</b>			<b>231,497</b>	<b>3,966</b>	<b>227,531</b>
NOTES:					
Region 2000 began filling in Permit 610 on 4/23/12.					
In 2012, Region 2000 received a significant amount of material from Liberty					
University as part of a clean up. Thus, 2012 is an atypical year.					

<b>APPENDIX 15-8: TABLE 3</b>							
<b>REGION 2000 SERVICES AUTHORITY</b>							
<b>TONNAGE PROJECTIONS - SWMP estimates only</b>							
<b>2015 THROUGH 2035</b>							
FY 2009 through FY 2014 is actual data as reported by Region 2000 Services Authority							
Growth factor	1.0025 (From previous RW Beck planning and generally supported by population projections.)						
FISCAL YEAR	LYNCHBURG	CAMPBELL COUNTY	APPOMATTOX COUNTY	NELSON COUNTY	CITY OF BEDFORD	REGIONAL TOTAL	ESTIMATED ANNUAL REGIONAL CHANGE
2009	172,604	31,742	7,478	9,766	3,290	224,880	
2010	180,206	34,565	7,270	10,193	3,221	235,455	
2011	162,752	34,716	7,504	9,632	5,571	220,175	-2.14%
2012	182,432	35,942	7,094	9,055	4,353	238,876	7.83%
2013	202,288	38,012	5,971	8,840	3,396	258,507	7.59%
2014	157,780	36,432	5,847	9,759	0	209,818	-23.21%
<b>% tonnage by locality</b>	<b>75.2%</b>	<b>17.4%</b>	<b>2.8%</b>	<b>4.7%</b>	<b>0.0%</b>		
<b>Average annual tonnage used in planning - From SWIA averages (2009 - 2013) - Bedford removed</b>						<b>227,531</b>	
2015	171,100	39,508	6,341	10,583	0	227,531	7.78%
2016	171,528	39,606	6,356	10,609	0	228,100	0.25%
2017	171,956	39,705	6,372	10,636	0	228,670	0.25%
2018	172,386	39,805	6,388	10,662	0	229,242	0.25%
2019	172,817	39,904	6,404	10,689	0	229,815	0.25%
2020	173,249	40,004	6,420	10,716	0	230,389	0.25%
2021	173,683	40,104	6,436	10,743	0	230,965	0.25%
2022	174,117	40,204	6,452	10,769	0	231,543	0.25%
2023	174,552	40,305	6,469	10,796	0	232,122	0.25%
2024	174,988	40,405	6,485	10,823	0	232,702	0.25%
2025	175,426	40,506	6,501	10,850	0	233,284	0.25%
2026	175,864	40,608	6,517	10,878	0	233,867	0.25%
2027	176,304	40,709	6,533	10,905	0	234,452	0.25%
2028	176,745	40,811	6,550	10,932	0	235,038	0.25%
2029	177,187	40,913	6,566	10,959	0	235,625	0.25%
2030	177,630	41,015	6,583	10,987	0	236,214	0.25%
2031	178,074	41,118	6,599	11,014	0	236,805	0.25%
2032	178,519	41,221	6,616	11,042	0	237,397	0.25%
2033	178,965	41,324	6,632	11,069	0	237,990	0.25%
2034	179,413	41,427	6,649	11,097	0	238,585	0.25%
2035	179,861	41,531	6,665	11,125	0	239,182	0.25%



**APPENDIX 15-9**

**THEORETICAL WASTE GENERATION PROJECTIONS**

<b>APPENDIX 15-9</b>								
<b>WASTE GENERATION PROJECTIONS BY CATEGORY</b>								
<b>REGIONAL - Combined City of Lynchburg, Appomattox County, Campbell County, Nelson County</b>								
<b>SOLID WASTE MANAGEMENT PLAN</b>								
			2010	2015	2020	2025	2030	2035
Population Projections (from SWMP)			160,404	164,919	168,987	172,437	175,894	179,014
Registered Vehicles - estimated	162,200							
	<b>2010</b>	<b>2010</b>						
<b>WASTE CATEGORY (1)(2)</b>	<b>Estimated Tonnage</b>	<b>Pounds/person/day</b>	<b>2010 tons</b>	<b>2015 tons</b>	<b>2020 tons</b>	<b>2025 tons</b>	<b>2030 tons</b>	<b>2035 tons</b>
MSW - Residential (65% of per capita generation)	93,969	3.21	93,969	96,614	98,997	101,018	103,043	104,871
MSW - Commercial (35% of per capita generation)	50,351	1.72	50,351	51,768	53,045	54,128	55,213	56,192
Vegetative yard waste	675	0.02	675	694	711	726	740	753
Industrial	32,767	1.12	32,767	33,689	34,520	35,225	35,931	36,569
Sludge	21,011	0.72	21,011	21,602	22,135	22,587	23,040	23,449
Subtotal	198,772	6.79	198,772	204,367	209,409	213,684	217,968	221,834
<b>SPECIAL WASTES (3)</b>								
Regulated medical waste (RMW)		0.02	498	512	524	535	546	555
Household Hazardous waste (HHW)		0.02	615	632	648	661	674	686
CDD as estimated by EPA		2.80	81,966	84,274	86,352	88,115	89,882	91,476
Construction waste	51% of CDD	1.42	41,569	42,739	43,793	44,687	45,583	46,391
Demolition waste	47% CDD	1.32	38,524	39,609	40,586	41,414	42,244	42,994
Landclearing debris	1.7% of CDD	0.05	1,393	1,433	1,468	1,498	1,528	1,555
Stumps	0.3% of CDD	0.09	2,705	2,781	2,850	2,908	2,966	3,019
Motor vehicle tires	1 tire per year per person @ 20 pounds per tire	0.05	1,604	1,649	1,690	1,724	1,759	1,790
Waste Oil	3.56 gallons per vehicle per year @ 7.4 lb/gallon	0.07	2,136	2,197	2,251	2,297	2,343	2,384
Antifreeze	1.8 gallons per vehicle every 4 years @ 8.4 lb/gallon	0.01	307	315	323	330	336	342
Batteries	0.04 lb/per/day	0.04	1,171	1,204	1,234	1,259	1,284	1,307
White goods	0.07 lb/per/day	0.07	2,049	2,107	2,159	2,203	2,247	2,287
Subtotal		3.09	90,346	92,889	95,180	97,124	99,071	100,828
<b>TOTAL</b>		<b>9.88</b>	<b>289,119</b>	<b>297,257</b>	<b>304,589</b>	<b>310,807</b>	<b>317,038</b>	<b>322,662</b>
<b>NOTES</b>								
1. Waste tonnage for MSW and yard waste taken from EPA, report entitled, Municipal Solid Waste Generation, Recycling and Disposal in the United States Facts and Figures 2003. Note: MSW was estimated to be 4.5 pounds per person per day which would include 12% yard trimmings.								
Thus, MSW taken at 4 pounds per person per day and yard trimmings at 0.5 pounds per person per day.								
Residential determined using EPA estimate that residential waste is approximately 55-65% of the MSW wastestream.								
Commercial determined using EPA estimate that commercial waste is approximately 35-45% of the MSW wastestream.								
However, values above calculated from 2013 SWIA MSW divided by 65% and 35%.								
2. Waste tonnage for vegetative waste, industrial waste and sludge are based on 2013 SWIA form. (All assigned to Lynchburg.)								
3. Special wastes per capita values taken from a number of sources as follows:								
RMW - Virginia average total tons/population for 1999 - 2002								
HHW - From www.cdphe.state.co.us/hm/hhw/hhw/asp								
CDD - From EPA, Franklin & Associates, "Characterization of Building Related Construction and Demolition Debris in the United States, June 1998.								
From Florida Center for Solid and Hazardous Waste Management, "Generation and Composition of Construction and Demolition Debris in Florida,"								
Report #03-08, February 27, 2003								
Tires - VA DEQ Tire program								
Waste Oil - American Petroleum Institute, Study model.								
Antifreeze - VA Used Oil program estimate.								
Batteries - EPA, Characterization of Municipal Solid Waste in the United States, 2000 Update.								
White Goods - EPA, Characterization of Municipal Solid Waste in the United States, 2000 Update.								

**SWIA FORMS**

**2013**





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SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25  
Note: Submission deadline is March 31st for the reporting period. Todays Date: 03/05/2014

Annual Reporting Period

1	Facility Name	Region 2000 Services Authority - Concord Turnpike											
2	Permit Number	SWP558					3	Date Last Submitted	03/05/2014		4	Annual Reporting Period	2013
5	Preparer's First Name	Robert	Middle Initial	D	Last Name	Arthur		Suffix		6	Preparer's Telephone Number	(434)455-6078	
7	Preparer's Email Address	rarthur@region2000.org					An email address will be used to contact you in case of questions about this form submission						
8	Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input checked="" type="radio"/> Yes <input type="radio"/> No Please select Yes or No												
	Contact First Name		Robert			Contact Last Name		Arthur			Contact Phone	(434)455-6078	
	Contact Address		361 LIVESTOCK ROAD			Contact Email Address		rarthur@region2000.org					
	City		RUSTBURG			State	VA		Zip Code	24588		Zip Ext.	
9A	Remaining Permitted Capacity	204268.0000					Cubic Yards	If a Facility's permitted capacity is reported in tons, please note this below in General Comments. DEQ will apply conversion factors based on the type of waste volume and the number of years of permitted capacity available in the state.					
9B	Expected Remaining Permitted Life	0.6					Years						
10	Does facility have active scales? <input checked="" type="radio"/> Yes <input type="radio"/> No <small>Note: Facilities with no active scales must enter the total amount land filled in cubic yards</small>						Total amount land filled in cubic yards						
11	Originating Jurisdiction	VA - Virginia					11A	Statement of Economic benefits submitted? <input type="radio"/> Yes <input checked="" type="radio"/> No					
12	Facilities landfilling VA incineration ash : Received from(Permit No,FacilityName)						VA ash amount landfilled measured in						
							<input checked="" type="radio"/> Tons or <input type="radio"/> Cubic Yards						
	PBR173 , US Central Intelligence Agency - George Bush Cntr												
	PBR197 , US Department of Defense - Pentagon												
	PBR500 , Wheelabrator Portsmouth Inc - Waste to Energy Fac												
	PBR503 , John C Nordt Company Incorporated												
	PBR513 , City of Harrisonburg - Resource Recovery Facility												
	PBR545 , Covanta Fairfax Incorporated												
	PBR551 , Covanta Alexandria Arlington Incorporated												
	SWP297 , Hampton City - NASA Steam Plant												

Waste amounts measured in : ☒ Tons or ☐ Cubic Yards

Waste Type		Waste Management - Report Amount by weight or volume ( Reporting units must be consistent for all fields of a particular waste type).											
				On-site Management of Waste						Sent Off-Site to be:(i)		Stored On-Site:(j)	
		Total Amount of Waste Received(a)	Mined Materials(b)	Landfilled (c)	Recycled (d)	Composted (e)	Incinerated (f)	Mulched (g)	Other (h)	Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period
13	Municipal Solid Waste	3329.8300		3329.8300									
14	Construction /Demolition/Debris	197.9900		197.9900									
15	Industrial Waste	28.8000							28.8000				
16	Regulated Medical Waste												
17	Vegetative/Yard Waste	469.8300		52.7100								148.4800	565.6000
18	Incineration Ash												
19	Sludge												
20	Tires	10.1000								11.5800		1.4800	
21	White Goods	18.6800								26.0400		15.4900	8.1300
22	Friable Asbestos												
23	Petroleum Contaminated Soil												
24	Enter a total of all other wastes on this line; list other types and their amounts in the comments area Other Waste	626.3000							626.3000				
25	Total Do not enter values.	4681.5300		3580.5300					655.1000	37.6200		165.4500	573.7300
Facility Comments: TOTAL WASTE RECEIVED/OTHER 626.3 INERT WASTE USED FOR ROAD CONSTRUCTION TOTAL WASTE/INDUSTRIAL WASTE/OTHER 28.8 INDUSTRIAL SLAG USED FOR ROAD CONTSTRUCTION													





SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25  
Note: Submission deadline is March 31st for the reporting period.    Todays Date: 03/05/2014

Annual Reporting Period

1	Facility Name	Region 2000 Regional Landfill - Livestock Rd Fac									
2	Permit Number	SWP610									
5	Preparer's First Name	ROBERT	Middle Initial	D	Last Name	ARTHUR	Suffix		4	Annual Reporting Period	2013
7	Preparer's Email Address	rarthur@region2000.org							6	Preparer's Telephone Number	(434)455-6078
Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input type="radio"/> Yes <input checked="" type="radio"/> No    Please select Yes or No.											
8	Contact First Name	ROBERT				Contact Last Name	ARTHUR			Contact Phone	(434)455-6078
	Contact Address	361 LIVESTOCK ROAD				Contact Email Address	rarthur@region2000.org				
	City	RUSTBURG			State	VA	Zip Code	24588		Zip Ext.	
9A	Remaining Permitted Capacity	Cubic Yards									
Only enter 10 digits (format 9999999999)		If a Facility's permitted capacity is reported in tons, please note this below in General Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the num									
9B	Expected Remaining Permitted Life	Years									
Does facility have active scales? <input checked="" type="radio"/> Yes <input type="radio"/> No		capacity available in the state.									
Note: Facilities with no active scales must enter the total amount land filled in cubic yards.											
10	Total amount land filled in cubic yards										
11	Originating Jurisdiction	VA - Virginia									
11A	Statement of Economic benefits submitted?	<input type="radio"/> Yes <input checked="" type="radio"/> No									
12	Facilities landfilling VA incineration ash : Received from(Permit No,FacilityName)	VA ash amount landfilled measured in									
PBR173 , US Central Intelligence Agency - George Bush Cntr		<input checked="" type="radio"/> Tons   or <input type="radio"/> Cubic Yards									
PBR197 , US Department of Defense - Pentagon											
PBR500 , Wheelabrator Portsmouth Inc - Waste to Energy Fac											
PBR503 , John C Nordt Company Incorporated											
PBR513 , City of Harrisonburg - Resource Recovery Facility											
PBR545 , Covanta Fairfax Incorporated											
PBR551 , Covanta Alexandria Arlington Incorporated											
SWP297 , Hampton City - NASA Steam Plant											

Waste amounts measured in :    ☒ Tons    or    ☐ Cubic Yards

Waste Type	Total Amount of Waste Received(a)	Mined Materials(b)	On-site Management of Waste						Sent Off-Site to be:(i)		Stored On-Site:(j)	
			Landfilled (c)	Recycled (d)	Composted (e)	Incinerated (f)	Mulched (g)	Other (h)	Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period
13 Municipal Solid Waste	145168.2700		145168.2700									
14 Construction /Demolition/Debris	10609.7800		10609.7800									
15 Industrial Waste	32738.4600		26987.3300									
16 Regulated Medical Waste								5751.1300				
17 Vegetative/Yard Waste	205.3800		44.8500									
18 Incineration Ash											60.2200	220.7500
19 Sludge	21010.4800		21010.4800									
20 Tires	27.7000											
21 White Goods	9.3500								39.1900		11.7900	0.3000
22 Friable Asbestos									9.3500			
23 Petroleum Contaminated Soil	227.5200		227.5200									
24 Enter a total of all other wastes on this line. list other types and their amounts in the comments area. Other Waste	6273.7400							6273.7400				
25 Total	216270.6800		204048.2300					12024.8700	48.5400		72.0100	221.0500
Do not enter values.												

Facility Comments:

TOTAL WASTE/OTHER 6273.74 INERT (ROCK/DIRT/BLOCK/BRICKS) USED FOR ROAD CONSTRUCTION  
INDRUSTRIAL WASTE/OTHER 5751.13 INDUSTRIAL SLAG USED FOR ROAD CONSTRUCTION

DEQ Comments:

Clear   Submit



**APPENDIX 15-11**

**VDEQ FORM 50-30**

**RECYCLING REPORTING REQUIREMENTS**



## Commonwealth of Virginia Locality Recycling Rate Report For Calendar Year 2014

### Contact Information

Reporting Solid Waste Planning Unit: \_\_\_\_\_

Person Completing This Form: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_  
Street/P.O. Box City State Zip

Phone #: (\_\_\_\_) \_\_\_\_\_ Fax #: (\_\_\_\_) \_\_\_\_\_

Email Address: \_\_\_\_\_

**Member Governments** (The local governments identified in your regional solid waste management plan and whose data is included in this report):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Due to the complexity and difficulty in obtaining data, this report reflects the best efforts of the solid waste planning unit to represent its recycling efforts for **CY 2014**. I certify that I have personally examined and am familiar with the information submitted in this form and any attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. These records will be made available for auditing purposes, if requested.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Return completed form by April 30, 2015 to: Virginia DEQ, Attn: Recycling Rates, P.O. Box 1105, Richmond, VA 23218.

## Locality Recycling Rate Report

For Calendar Year 2014

**PART A: Recycling Rate Calculation** - Using the formulae provided below and the information reported on Pages 3, 4 and 5 to calculate your recycling rates.

**Step 1: [(PRMs) / (PRMs + MSW Disposed)] X 100 = Base Recycling Rate %**

<input type="text"/>	/	<input type="text"/>	+	<input type="text"/>	X 100 =	<input type="text"/>	%
----------------------	---	----------------------	---	----------------------	---------	----------------------	---

**Step 2: CREDITS calculation**

- a. Total Recycling Residue \_\_\_\_\_ tons  
b. Total Solid Waste Reused \_\_\_\_\_ tons  
c. Total Non-MSW Recycled \_\_\_\_\_ tons

CREDITS \_\_\_\_\_ tons

Adjusted

**Step 3: [(PRMs + CREDITS) / (PRMs + CREDITS + MSW Disposed)] X 100 = Recycling Rate #1\***

<input type="text"/>	+	<input type="text"/>	/	<input type="text"/>	+	<input type="text"/>	+	<input type="text"/>	X 100 =	<input type="text"/>	%
----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---------	----------------------	---

**Step 4:** ☐ Source Reduction Credit does not apply; or

☐ Adjusted Recycling Rate #1 + 2% SRP Credit = Adjusted Recycling Rate #2\*

<input type="text"/>	%	+	2%	=	<input type="text"/>	%
----------------------	---	---	----	---	----------------------	---

**Step 5: Final Recycling Rate\* for Solid Waste Planning Unit =**  %

**\* Total credits resulting from Steps 3 and 4 may not exceed 5 percentage points above the Base Recycling Rate achieved by the Solid Waste Planning Unit.**



**Locality Recycling Rate Report**  
**PART B: DATA**

**For Calendar Year 2014**

**Part I: Principal Recyclable Materials (PRMs):** Report only PRM material generated within the reporting SWPU and recycled, NOT imported PRMs for recycling.

<u>PRM TYPE</u>	<u>RECYCLED AMOUNT (TONS)</u>
Paper	_____
Metal	_____
Plastic	_____
Glass	_____
Commingled (also known as Single Stream)	_____
Yard Waste (composted or mulched)	_____
Waste wood (chipped or mulched)	_____
Textiles	_____
Tires	_____
Used Oil	_____
Used Oil Filters	_____
Used Antifreeze	_____
Batteries	_____
Electronics	_____
Inoperative Motor Vehicles (see guidance)	_____
Other (specify: _____)	_____
Other (specify: _____)	_____
<b>TOTAL PRMs</b>	_____ <b>(PRMs)</b> <b>(Enter Total on Page 2, Step 1)</b>

**Part II: Credits by Category (see Credits Worksheet, Page 5)**

**A. Recycling Residue** – “Recycling residue” means the (i) nonmetallic substances, including but not limited to plastic, rubber, and insulation, which remain after a shredder has separated for purposes of recycling the ferrous and nonferrous metal from a motor vehicle, appliance, or other discarded metallic item and (ii) organic waste remaining after removal of metals, glass, plastics and paper which are to be recycled as part of a resource recovery process for municipal solid waste resulting in the production of a refuse derived fuel. (§ 10.1-1400 of the *Code of Virginia*) (use only SWPU generation)

<u>MATERIAL DESCRIPTION</u>	<u>FACILITY/OPERATION</u>	<u>TONS OF MATERIAL</u>
_____ from _____	_____	_____
_____ from _____	_____	_____
_____ from _____	_____	_____
<b>TOTAL RECYCLING RESIDUE</b>		_____
		<b>(Enter Total on Page 2, Step 2 a)</b>

## Locality Recycling Rate Report

For Calendar Year 2014

### B. Solid Waste Re-Used

<u>MATERIAL DESCRIPTION</u>	<u>REUSE METHOD</u>	<u>TONS OF MATERIAL</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
<b>TOTAL SOLID WASTE REUSED</b>		_____

(Enter Total on Page 2, Step 2 b)

### C. Non-Municipal Solid Waste (MSW) Recycled

<u>MATERIAL DESCRIPTION</u>	<u>RECYCLING METHOD</u>	<u>TONS OF MATERIAL</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
<b>TOTAL NON-MSW RECYCLED</b>		_____

(Enter Total on Page 2, Step 2 c)

**D: A credit of two (2) percentage points may be added to the Adjusted Recycling Rate #1 if the Solid Waste Planning Unit has implemented a Source Reduction Program (SRP). Examples of SRPs include Grass-cycling, Home Composting, Clothing Reuse, Office Paper Reduction (duplexing), Multi-Use Pallets, or Paper Towel Reduction. The SRP must be included in the Solid Waste Management Plan on file with the Department:**

SRP description: \_\_\_\_\_

SRP description: \_\_\_\_\_

SRP description: \_\_\_\_\_

(Certify on Page 2, Step 4)

**Exclusions:** For the purposes of this report, the following materials are not considered solid wastes, and should not be included in any of the data categories utilized in calculating the recycling rate.

1. Biosolids – industrial sludge, animal manures; or, sewage sludge (unless composted)
2. Automobiles – unless part of the Inoperable Vehicle Program (DMV)
3. Leachate
4. Soils – contaminated soils, soil material from road maintenance
5. Household hazardous waste
6. Hazardous waste
7. Medical waste
8. Rocks or stone

## Locality Recycling Rate Report

For Calendar Year 2014

<u>MSW TYPE</u>	<u>TOTAL AMOUNT DISPOSED (TONS)</u>
Household	_____
Commercial	_____
Institutional	_____
Other (DO NOT INCLUDE INDUSTRIAL WASTES)	_____
<b>TOTAL MSW DISPOSED</b>	_____
	<b>(Enter Total on Page 2, Step 1 and Step 3)</b>
<b>**MSW DISPOSED</b> for the purpose of this report means delivered to a permitted sanitary landfill, transfer station, or waste incinerator for disposal.	

# Locality Recycling Rate Report

For Calendar Year 2014

## Credits Worksheet

### I. Reuse of any Solid Waste

√	Material description	Tons
___ PRM	_____	_____
___ PRM	_____	_____
___ PRM	_____	_____
___ Industrial	_____	_____
___ Construction	_____	_____
___ Demolition	_____	_____
___ Debris	_____	_____
___ Other	_____	_____
___ Other	_____	_____
___ Other	_____	_____
TOTAL TONS		_____

(enter data on Page 4,  
Solid Waste ReUsed)

### II. Recycling of any Non-Municipal Solid Waste

√	Material description	Tons
___ Industrial	_____	_____
___ Construction	_____	_____
___ Demolition	_____	_____
___ Debris	_____	_____
___ Other	_____	_____
___ Other	_____	_____
___ Other	_____	_____
TOTAL TONS		_____

(enter data on Page 4,  
Non-MSW Recycled)

### III. Inoperable Vehicles Removed and Demolished – include number of vehicles that the localities received reimbursement from DMV under §46.2-1207 of the Code of Virginia.

# of vehicles removed/reimbursement received \_\_\_\_\_  
Average tonnage per vehicle \_\_\_\_\_

X 1 Ton each

Total Tons \_\_\_\_\_

(enter data on Page 3,  
PRMs, Inoperative  
Motor Vehicle  
Program)

**NOTE:** Check “Exclusions” on Page 4 to avoid listing of those materials on this worksheet and/or in the data fields of this report.

# Locality Recycling Rate Report

For Calendar Year 2014

## Part C: Recycling Rate Report Instructions

Amended Regulations for the Development of Solid Waste Management Plans (9 VAC 20-130-10 et seq.) require that Solid Waste Planning Units (SWPUs) in the Commonwealth develop complete, revised solid waste management plans. Section 9 VAC 20-130-120 B & C of the Regulations requires that a minimum recycling rate of the total municipal solid waste generated annually in each solid waste planning unit be maintained. It also requires that the plan describe how this rate shall be met or exceeded and requires that the calculation methodology be included in the plan. Section 9 VAC 20-130-165 D establishes that every solid waste management planning unit with populations over 100,000 shall submit to the department by April 30 of each year, the data and calculations required in 9 VAC 20-130-120 B & C for the preceding calendar year. SWPUs with populations of 100,000 or less are only required to report every 4 years (CY years 2016 and forward).

**NOTE: ONLY RECYCLING RATE REPORTS FROM AN APPROVED SOLID WASTE PLANNING UNIT (SWPU) WILL BE ACCEPTED FOR PROCESSING. JURISDICTIONS WITHIN A SWPU MUST SUBMIT THEIR RECYCLING DATA TO THE SWPU FOR INCORPORATION INTO THE ANNUAL REPORT.**

It is requested that all amounts included on the form be listed in **tons (2,000 pounds)**, rounded to the nearest whole ton. If actual weights are not known, volumes can be converted to weight estimates. To assist you with these estimates, a standardized volume-to-weight conversion table is attached.

**Contact Information Section:** Please provide information on the Reporting SWPU and information on the individual completing this form. Under Member Governments, please list the local governments identified in the applicable solid waste management plan.

**Calculated Recycling Rate Section:** Using the formulae provided, calculate your recycling rates for the reporting period from information identified in the Recycling Rate Calculations Section.

**Signature Block Section:** Please provide an authorized signature prior to submitting the completed form. Authorized signatories include Executive Officer, Administrator, or other legally designated representative of the SWPU reporting entity.

**Recycling Rate Calculations Section:** Please provide the requested information:

**Part I: Principal Recyclable Material (PRM) -** Report the amount in tons of each PRM collected for recycling in the named jurisdiction(s) during the reporting period. PRMs include paper, metal, plastic, container glass, commingled, yard waste, waste wood, textiles, tires, used oil, used oil filters, used antifreeze, batteries, electronics, and other materials approved by the Director taken from the Municipal Solid Waste (MSW) generation. A one ton credit may also be entered for each inoperable motor vehicle for which a locality receives reimbursement from the Virginia Department of Motor Vehicles under §46.2-1207 of the *Code of Virginia*. The total weight in **TONS** of all PRMs collected for recycling is represented as **PRMs** in the Recycling Rate Calculation.

**Part II: Credits -** Report the amount in **TONS** of each material for which recycling credit is authorized in §10.1-1411.C of the *Code of Virginia*: (i) one ton for each ton of recycling residue generated in Virginia and deposited in a landfill permitted under §10.1-1408.1 of the *Code of Virginia*; (ii) one ton for each ton of any solid waste material that is reused; and, (iii) one ton for each ton of any non-municipal solid waste that is recycled. The total weight in **TONS** of all material for which credits are authorized is represented as **CREDITS** in the Recycling Rate Calculation. A credit of two percentage points of the minimum recycling rate mandated for the Solid Waste Planning Unit (SWPU) may be taken for a source reduction program that is implemented and identified in its Solid Waste Management Plan. Total credits may not exceed five percentage points above the Base Recycling Rate achieved by the SWPU.

**Part III: Total Municipal Solid Waste (MSW) Disposed:** Report the total amount in **TONS** of MSW that was disposed of by the Solid Waste Planning Unit (SWPU) during the reporting period for each of the source categories (Household, Commercial, Institutional, and Other). For the purpose of this report, "disposed," means delivery to a permitted sanitary landfill or waste incinerator for disposal, and excludes industrial wastes. Industrial waste and by-products should not be included in the MSW or Recycling calculation. The total weight in tons of MSW disposed is represented as **MSW Disposed** in the Recycling Rate Calculation.

**Locality Recycling Rate Report Volume to Weight Conversion Table**

<b>Material</b>	<b>Volume</b>	<b>Weight in Pounds</b>
<b>Metal</b>		
Aluminum Cans, Whole	One cubic yard	50-74
Aluminum Cans, Flattened	One cubic yard	250
Aluminum Cans	One full grocery bag	1.5
Ferrous Cans, Whole	One cubic yard	150
Ferrous Cans, Flattened	One cubic yard	850
Automobile Bodies	One vehicle	2,000
<b>Paper</b>		
Newsprint, Loose	One cubic yard	360-800
Newsprint, Compacted	One cubic yard	720-1,000
Newsprint	12" stack	35
Corrugated Cardboard, Loose	One cubic yard	75-100
Corrugated Cardboard, Baled	One cubic yard	1,000-2,000
<b>Plastic</b>		
PETE, Whole, Loose	One cubic yard	30-40
PETE, Whole, Loose	Gaylord	40-53
PETE, Whole, Baled	30" x 62"	500
Film, Baled	30" x 42" x 48"	1,100
Film, Baled	Semi-Load	44,000
Film, Loose	Standard grocery bag	15
HDPE (Dairy Only), Whole, Loose	One cubic yard	24
HDPE (Dairy Only), Baled	32" x 60"	400-500
HDPE (Mixed), Baled	32" x 60"	900
Mixed PET & Dairy, Whole, Loose	One cubic yard	32
Mixed PET, Dairy & Other Rigid (Whole, Loose)	One cubic yard	38
Mixed Rigid, No Film	One cubic yard	49
<b>Glass</b>		
Glass, Whole Bottles	One cubic yard	600-1,000
Glass, Semi-Crushed	One cubic yard	1,000-1,800
Glass, Crushed (Mechanically)	One cubic yard	800-2,700
Glass, Whole Bottles	One full grocery bag	16
Glass, Uncrushed to Manually Broken	55 gallon drum	125-500
<b>Arboreal</b>		
Leaves, Uncompacted	One cubic yard	200-250
Leaves, Compacted	One cubic yard	300-450
Leaves, Vacuumed	One cubic yard	350
Wood Chips	One cubic yard	500
Grass Clippings	One cubic yard	400-1,500
<b>Other</b>		
Battery (Heavy Equipment)	One	60
Battery (Auto)	One	35.9
Used Motor Oil	One gallon	7.4
Used Oil Filters (Uncrushed)	55 gallon drum	66 Lbs./Used Oil + 110 Lbs./Ferrous Metal
Used Oil Filters (Crushed)	55 gallon drum	16.5 Lbs./Used Oil + 368 Lbs./Ferrous Metal
Tire - Passenger Car	One	20
Tire - Truck, Light	One	35
Tire - Semi	One	105
Antifreeze	One gallon	8.42
Food Waste, Solid & Liquid Fats	55 gallon drum	412
Electronics: CRT/CPU/LapTop/TV	Each (avg wt from NCER)	38/26/8/49 respectively
<b>This Table For General Guidance Only.</b>		

**APPENDIX 15-12**

**FY 2016 BUDGET**

**REGION 2000 SERVICES AUTHORITY**



**Region 2000 Services Authority**  
Services Authority Offices  
361 Livestock Road  
Rustburg, Virginia 24588

**May 13, 2015**

**2:00 p.m.**

**~ A G E N D A ~**

- 1. Welcome.....**Kim Payne, *Chair*
- 2. Opportunity for Public Comment.....**Kim Payne, *Chair*
- 3. Minutes of April 22, 2015.....**Kim Payne, *Chair*
- 4. Finance Report**
  - a. Year-To Date.....  
.....Rosalie Majerus, *Region 2000 Local Government Council*
  - b. Discussion of Assignment of Excess Revenues (Host Fee).....  
.....Clarke Gibson, *Region 2000 Services Authority*
  - c. Approval of Proposed FY 16 Budget.....  
.....Clarke Gibson, *Region 2000 Services Authority*
- 5. Analysis of FAA regulations.....**Lynn Klappich, *Draper Aden Associates*
- 6. Update on Odor Control contracts.....**  
...Clarke Gibson, *Region 2000 Services Authority* and Bob Dick, *SCS Engineers*
- 7. Purchase of Wetland Mitigation Credits.....**  
.....Clarke Gibson, *Region 2000 Services Authority*
- 8. Status of Lateral Expansion – DEQ – Permitting .....**  
.....Clarke Gibson, *Region 2000 Services Authority*
- 9. Vote on Amendment to the 2015 Solid Waste Management Plan.....**  
.....Lynn Klappich, *Draper Aden Associates*
- 10. Discussion regarding Long Term Strategic Planning for Regional Solid Waste Management.....**Kim Payne, *Chair*
- 11. Other Business.....**Kim Payne, *Chair*
- 12. Election of Officers for FY 16.....**Gary Christie, *Secretary*
- 13. Information Items**

Next Meeting: July 22, 2015 – 2:00 p.m.



**Region 2000 Services Authority Board Meeting**  
361 Livestock Rd, Rustburg, Virginia 24588  
May 13, 2015 – 2:00 p.m.

**~ Working Agenda ~**

1. **Welcome**
2. **Opportunity for Public Comment**
3. **Minutes of April 22, 2015**  
*(See Attachment 3 (page 5) – Minutes)*

The meeting minutes from the April 22, 2015 Board meeting or presented for your review.

**Recommended Action:** Staff recommends approval of the minutes as presented subject to edits noted and approved by the Board

4. **Finance Report**  
*(See Attachment 4 (page 9) – FY15 Actuals and Proposed FY16 Budget – page 9)*

- A. **Year-to-date financial report:** Rosalie Majerus, *Deputy Director of Finance* for the Region 2000 Local Government Council, will present the year-to-date financial report as of 03/31/2015.

*No formal action required; for the Board's information, review, and discussion.*

- B. **Discussion of Assignment of Excess Revenues (Host Fees)**  
*(See Attachment 4b (page 18) – Background Information on Excess Revenue)*

- C. **Proposed FY 16 Budget:** Clarke Gibson will present the proposed FY 2016 Budget to the Board for discussion and approval.

1. No change in tipping fees from \$28.75 for members and \$38.75 for businesses; increase contract rate to \$38.00
2. Tonnages are estimated to be level and unchanged
3. Operational expenses are estimated to increase by about 2%
4. 2% employee raises included in the budget
5. Services Authority to pay additional 2% health insurance costs
6. \$162,000 in equipment replacement
7. Excess revenue up by 4.3% to \$1.3 million (96.4% Campbell – 30.6% Lynchburg)

8. Pay back \$304,462 into the internal loan; pay debt service on the 2011 and 2015 borrowings

**Recommended Action:** Staff recommends approval of the proposed FY16 budget as presented.

**5. Analysis of FAA regulations**

*(See Attachment 5 (page 20) – Letter to FAA )*

Lynn Klappich of Draper Aden Associates will speak to this matter as it pertains to landfill operations.

**6. Update on Odor Control contracts**

Mr. Bob Dick of SCS Engineers will provide an update on current and future activities regarding the contracted odor control projects.

*No formal action required; for the Board's information, review, and discussion.*

**7. Wetland Mitigation Credits**

Staff will present bids to purchase Wetland Mitigation Credits using proceeds from the 2015 bond.

**Recommended Action:** Staff recommends approval of the purchase of Wetland Mitigation Credits using proceeds from the 2015 bond

**8. Status of Lateral Expansion – DEQ – Permitting**

*(See Attachment 8 (page 32) – Letter from DEQ dated April 28, 2015)*

Clarke Gibson will provide a status update on the lateral expansion permitting process.

**9. Vote on Amendment to the 2015 Solid Waste Management Plan**

*(See Attachments 9a (page 33) – Letter from DEQ dated March 24, 2015*

*9b (page 34) – Comments from Public Hearing*

*9c (page 40) – Comments received via email, USPS, or from website*

*9d (page 61) – Resolution for Major Amendments to the Region 2000 Services Authority Solid Waste Management Plan)*

The Region 2000 Services Authority has been duly authorized by its members and the Virginia Department of Environmental Quality to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. Under the Solid Waste Planning and Recycling Regulations (9VAC20-130), each planning unit must have an approved Solid Waste Management Plan. The original Solid

**Region 2000 Services Authority**  
**FY15 Actuals & Proposed FY 2016 Budget**  
**As of 3/31/2015-Revised for 5/13/15 Special Meeting**

*Table of Contents*

<i>Schedule 1</i>	<i>Revenue</i>
<i>Schedule 2</i>	<i>Expense Summary</i>
<i>Schedule 3</i>	<i>Personnel Expenditures</i>
<i>Schedule 4</i>	<i>Operations &amp; Maintenance Expenditures</i>
<i>Schedule 5</i>	<i>Schedule of Reimbursables</i>
<i>Schedule 6</i>	<i>Balance Sheet</i>
<i>Schedule 7</i>	<i>Capital Equipment Fund</i>

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5/5/2015 8:24 AM

U:\Admin\Emmie\Services Authority\Financial & other information related to Budget etc\FY 2015 Reports\Budget to Actual Working File FY15- as presented 051315 special meeting.xlsx

Region 2000 Services Authority

FY 2015 Disposal Fee Revenue-through 3/31/2015-Revised for 5/13/15 Special Meeting

Schedule 1

FY2016 Contract Rate is \$38/Other rates \$28.75/\$38.75

Tonnage	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining-FY 15	FY 16 Proposed Budget
Tonnage From Member Jurisdictions					
Lynchburg	38,747	29,277	9,470	24.44%	38,747
Campbell	20,222	15,769	4,453	22.02%	20,222
Nelson	8,804	6,944	1,860	21.13%	8,804
Appomattox	5,280	3,803	1,477	27.98%	5,280
<b>Subtotal Member Jurisdictions</b>	<b>73,052</b>	<b>55,792</b>	<b>17,260</b>	<b>23.63%</b>	<b>73,052</b>
Lynchburg Contracts & Other Waste	29,362	18,197	11,164	38.02%	29,362
Market Rate Tonnage	102,932	75,745	27,187	26.41%	102,932
<b>Subtotal Contract and Market Rate</b>	<b>132,294</b>	<b>93,942</b>	<b>38,352</b>	<b>28.99%</b>	<b>132,294</b>
<b>Subtotal Revenue Generating Tonnage</b>	<b>205,346</b>	<b>149,735</b>	<b>55,612</b>	<b>27.08%</b>	<b>205,346</b>
Other Tonnage at No Charge (inert/brush/slag)	13,119	12,335	784	5.97%	13,119
<b>Total Tonnage</b>	<b>218,465</b>	<b>162,070</b>	<b>56,395</b>	<b>25.81%</b>	<b>218,465</b>

Disposal Fee Revenue	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining-FY 15	FY 16 Proposed Budget
From Member Jurisdictions					
Lynchburg	\$ 1,113,971	\$ 841,721	\$ 272,250	24.4%	\$ 1,113,971
Campbell	\$ 581,374	\$ 453,563	\$ 127,811	22.0%	\$ 581,374
Nelson	\$ 253,109	\$ 199,633	\$ 53,476	21.1%	\$ 253,109
Appomattox	\$ 151,800	\$ 109,331	\$ 42,469	28.0%	\$ 151,800
<b>Subtotal Member Jurisdictions</b>	<b>\$ 2,100,254</b>	<b>\$ 1,604,249</b>	<b>\$ 496,005</b>	<b>23.6%</b>	<b>\$ 2,100,254</b>
Lynchburg Contracts & Other Waste	\$ 1,057,021	\$ 654,974	\$ 402,047	38.0%	\$ 1,115,745
Outside Tonnage-Market Rate	\$ 3,988,634	\$ 2,935,166	\$ 1,053,468	26.4%	\$ 3,988,634
<b>Subtotal Contract and Market Rate</b>	<b>\$ 5,045,655</b>	<b>\$ 3,590,140</b>	<b>\$ 1,455,515</b>	<b>28.8%</b>	<b>\$ 5,104,379</b>
<b>Total</b>	<b>\$ 7,145,909</b>	<b>\$ 5,194,389</b>	<b>\$ 1,951,520</b>	<b>27.3%</b>	<b>\$ 7,204,632</b>

Per Ton Disposal Fees	FY 15 Budget	YTD Average Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Difference	FY 16 Proposed Budget
Member Disposal Fee	\$ 28.750	\$ 28.754	\$ (0.004)	-0.01%	\$ 28.750
Cost of Service (COS) Tipping Fee	\$ 28.750	\$ 28.807	\$ (0.057)	-0.20%	\$ 28.793
Avg. Rate-Lynchburg Contracts & Other Waste	\$ 36.000	\$ 35.993	\$ 0.007	0.02%	\$ 38.000
Market Rate	\$ 38.750	\$ 38.751	\$ (0.001)	0.00%	\$ 38.750

Schedule 1

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**Region 2000 Services Authority  
FY 2015 Expenses - through 3/31/2015-Revised for 05/13/15 Special Meeting  
SUMMARY - Schedule 2**

FY2016 Contract Rate is \$38/Other rates \$28.75/\$38.75

Expenses	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining- FY 15	FY 16 Proposed Budget	% Change FY15 to FY16 Budget
Personnel (Schedule 3)	\$ 1,341,924	\$ 973,770	\$ 368,154	27.4%	\$ 1,382,078	2.99%
Landfill O & M (Schedule 4)	\$ 1,544,300	\$ 1,012,241	\$ 532,059	34.5%	\$ 1,598,800	3.53%
Landfill Equipment Replacement Reserve	\$ 400,000	\$ 300,000	\$ 100,000	25.0%	\$ 408,000	2.00%
Closure and Post-Closure Reserve	\$ 790,252	\$ 592,689	\$ 197,563	25.0%	\$ 704,905	-10.80%
Environmental Remediation	\$ 50,000	\$ 37,500	\$ 12,500	25.0%	\$ 50,000	0.00%
O & M Reserve	\$ -	\$ -	\$ -	0.0%	\$ -	#DIV/0!
Annual Debt Service -2011 Bond Debt	\$ 2,101,850	\$ 1,576,355	\$ 525,495	25.0%	\$ 955,852	-54.52%
2015 Bond Debt	\$ -	\$ -	\$ -	0.0%	\$ 824,185	#DIV/0!
Internal Loan	\$ -	\$ -	\$ -	0.0%	\$ 304,462	#DIV/0!
Annual Debt Service Subtotal	\$ 2,101,850	\$ 1,576,355	\$ 525,495	25.0%	\$ 2,084,499	-0.83%
Operating Expenses	\$ 6,228,326	\$ 4,492,555	\$ 1,735,771	27.9%	\$ 6,228,282	0.00%
Reimbursable Personnel Costs (Schedule 5)	\$ (107,163)	\$ (60,964)	\$ (46,199)	43.1%	\$ (107,163)	0.00%
Reimbursable O & M Costs (Schedule 5)	\$ (196,400)	\$ (108,709)	\$ (87,691)	44.6%	\$ (196,400)	0.00%
Late Fee, Recycling & Int Income	\$ (21,000)	\$ (9,432)	\$ (11,568)	55.1%	\$ (21,000)	0.00%

<b>Net Cost of Service Operating Expense Total</b>	<b>\$ 5,903,763</b>	<b>\$ 4,313,450</b>	<b>\$ 1,590,313</b>	<b>26.9%</b>	<b>\$ 5,903,719</b>	<b>0.00%</b>
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Expenses	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining- FY 15	FY 16 Proposed Budget	% Change FY15 to FY16 Budget
Airspace Reserve						
Lynchburg (Split is 30.6%)	\$ 380,102	\$ 270,479	\$ 109,623	29%	\$ 396,327	4.27%
Campbell (Split is 69.4%)	\$ 862,061	\$ 613,438	\$ 248,623	29%	\$ 898,860	4.27%
Airspace Reserve Subtotal	\$ 1,242,163	\$ 883,917	\$ 358,246	29%	\$ 1,295,187	4.27%
O & M Reserve Contribution	\$ (18)	\$ (2,979)	\$ 2,961		\$ (3,166)	

<b>Total Expenses</b>	<b>\$ 7,145,909</b>	<b>\$ 5,194,389</b>	<b>\$ 1,951,520</b>	<b>27%</b>	<b>\$ 7,204,632</b>	<b>0.82%</b>
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<b>Total Revenue Generating Tonnage</b>	<b>205,346</b>	<b>149,735</b>	<b>55,612</b>	<b>27.1%</b>	<b>205,346</b>	<b>0.00%</b>
<b>Disposal Cost per Ton</b>	<b>\$ 28.7503</b>	<b>\$ 28.807</b>	<b>\$ (0.057)</b>	<b>-0.2%</b>	<b>\$ 28.7500</b>	<b>0.00%</b>

Personnel  
Schedule 3

	Account	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining- FY 15	FY 16 Proposed Budget	% Change FY15 to FY16 Budget
	Solid Waste Staff						
	Management	\$ 257,946	\$ 193,459	\$ 64,486	25.0%	\$ 257,945	0.00%
	Operations	\$ 576,385	\$ 427,710	\$ 148,675	25.8%	\$ 591,164	2.56%
41100	Salaries&Wages-Est Salary Study suggested inc	\$ 15,000	\$ -	\$ 15,000	100.0%	\$ -	-100.00%
	Proposed FY2016 -2% Salary Increase					\$ 16,982	#DIV/0!
	Proposed FY2016 -Merit Increase					\$ 12,100	#DIV/0!
	Total Salaries	\$ 849,330	\$ 621,169	\$ 228,161	26.9%	\$ 878,191	3.40%
	Employee Benefits						
42210	VRS-Retirement (7.52% ER + VLDP)	\$ 63,870	\$ 46,762	\$ 17,108	27%	\$ 66,211	3.67%
42220	VRS Life Insurance (1.19%)	\$ 11,211	\$ 7,392	\$ 3,819	34%	\$ 10,450	-6.79%
42300	Employer Cost-Health Insurance (FY16 2% Inc)	\$ 136,984	\$ 98,704	\$ 38,280	28%	\$ 139,455	1.80%
42700	Employer Cost-Worker's Comp	\$ 28,000	\$ 29,056	\$ (1,056)	-4%	\$ 30,000	7.14%
42100	Employer Cost-FICA	\$ 66,733	\$ 46,968	\$ 19,765	30%	\$ 68,941	3.31%
47000	Retiree Health Care-OPEB-GASB 45	\$ -	\$ -	\$ -	0%	\$ -	
42500	Disability Insurance	\$ -	\$ -	\$ -	0%	\$ -	0.00%
42600	Unemployment Insurance	\$ 8,000	\$ -	\$ 8,000	100%	\$ 8,000	0.00%
	Employee Benefits Subtotal	\$ 314,798	\$ 228,881	\$ 85,917	27.3%	\$ 323,057	2.62%
	Overtime						
41200	Salaries and Wages - Overtime	\$ 23,000	\$ 17,371	\$ 5,629	24%	\$ 23,000	0.00%
41300	Part -time Salaries-Wages-Regul	\$ -	\$ -	\$ -	0%	\$ -	
41400	Part -time Salaries-Wages-Overt	\$ -	\$ -	\$ -	0%	\$ -	
	Overtime Subtotal	\$ 23,000	\$ 17,371	\$ 5,629	24%	\$ 23,000	0.00%
	Total Personnel Costs-Services Authority Staff	\$ 1,187,129	\$ 867,422	\$ 319,707	26.9%	\$ 1,224,249	3.13%
	Local Government Council Staff						
	Total Personnel Costs-Region 2000 Staff	\$ 154,796	\$ 106,349	\$ 48,447	31.3%	\$ 157,829	1.96%
	Total Personnel Costs	\$ 1,341,924	\$ 973,770	\$ 368,154	27.4%	\$ 1,382,078	2.99%

2% Proposed Salary Increase \$ 16,982  
FICA \$ 1,299  
VRS Ret \$ 1,277  
VRS Life \$ 202  
\$ 19,760 \$ 0.09623 Per Ton

Proposed Merit Increase \$ 12,100  
FICA \$ 926  
VRS Ret \$ 910  
VRS Life \$ 144  
\$ 14,079 \$ 0.06856 Per Ton



**Landfill Operating and Maintenance Expenses**  
**Schedule 4-Revised for 5/13/15 Special Meeting**

Account	Operations and Maintenance Cost Type	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining-FY 15	FY 16 Proposed Budget	% Change FY15 to FY16 Budget
	<b>Contractual Services</b>						
43166	Software support-Paradigm	\$ 10,000	\$ 6,271	\$ 3,729	37%	\$ 10,000	0.00%
43321	Communications M&R Service/Radio	\$ 8,000	\$ 12,555	\$ (4,555)	-57%	\$ 13,000	62.50%
43313	Building M & R Services	\$ 2,000	\$ 1,693	\$ 307	15%	\$ 2,000	0.00%
43171	Site Maintenance-Lynchburg	\$ 5,000	\$ 931	\$ 4,069	81%	\$ 5,000	0.00%
43172	Site Maintenance-Campbell	\$ 10,000	\$ 26,141	\$ (16,141)	-161%	\$ 35,000	250.00%
43170	Sedimentation Basin Cleaning	\$ -	\$ -	\$ -	0%	\$ -	0.00%
43169	Janitorial Services	\$ 7,800	\$ 5,584	\$ 2,216	28%	\$ 7,800	0.00%
43110	Med/Dental/Pharm/Lab Services	\$ -	\$ -	\$ -	0%	\$ -	0.00%
43150	Legal Services	\$ 30,000	\$ 30,388	\$ (388)	-1%	\$ 30,000	0.00%
43120	Accounting and auditing service	\$ 7,000	\$ 7,200	\$ (200)	-3%	\$ 8,000	14.29%
43140	Engineering/Monitoring Services-Lynchburg	\$ 35,000	\$ 15,049	\$ 19,951	57%	\$ 35,000	0.00%
43140a	Engineering/Monitoring Services-Campbell	\$ 65,000	\$ 88,920	\$ (23,920)	-37%	\$ 75,000	15.38%
43141	Professional Consulting Service	\$ -	\$ -	\$ -	0%	\$ -	0.00%
43160	Environmental Lab Services-Lynchburg	\$ 15,000	\$ 2,936	\$ 12,064	80%	\$ 15,000	0.00%
43160a	Environmental Lab Services-Campbell	\$ 15,000	\$ 6,179	\$ 8,821	59%	\$ 15,000	0.00%
43200	Temporary Help Service Fees	\$ 20,000	\$ 12,457	\$ 7,543	38%	\$ 20,000	0.00%
43600	Advertising	\$ 10,000	\$ 2,259	\$ 7,741	77%	\$ 10,000	0.00%
43176	Software Purchases-Other	\$ 5,000	\$ 3,100	\$ 1,900	38%	\$ 5,000	0.00%
43167	Pest Control services	\$ 1,200	\$ 640	\$ 560	47%	\$ 1,200	0.00%
43168	Investigative Services	\$ 100	\$ 135	\$ (35)	-35%	\$ 100	0.00%
46011	Uniform Rental Services	\$ 12,000	\$ 9,919	\$ 2,081	17%	\$ 13,000	8.33%
43161	Tire Shredding Services	\$ 5,000	\$ 2,440	\$ 2,560	51%	\$ 5,000	0.00%
43165	Misc Contractual Services	\$ 1,000	\$ 3,410	\$ (2,410)	-241%	\$ 1,000	0.00%
43177	Creation and Maintenance of a web site	\$ 5,000	\$ 842	\$ 4,158	83%	\$ 5,000	0.00%
42850	Employee Med Exp-drug tests, ph	\$ 2,000	\$ 880	\$ 1,120	56%	\$ 2,000	0.00%
46031	Heavy Equipment-Outside Repair	\$ 50,000	\$ 35,295	\$ 14,705	29%	\$ 50,000	0.00%
43173	Mechanical M&R Services	\$ 5,000	\$ 1,465	\$ 3,535	71%	\$ 5,000	0.00%
43175	Software support-City of Lynchb	\$ -	\$ -	\$ -	0%	\$ -	0.00%
43121	Payroll support services	\$ 12,000	\$ 5,000	\$ 7,000	58%	\$ 12,000	0.00%
46017	Software Maint Contract-Accounting	\$ 800	\$ -	\$ 800	100%	\$ 800	0.00%
43162	HHW Disposal	\$ -	\$ 91	\$ (91)	0%	\$ -	0.00%
43163	Wood Waste Grinding	\$ 10,000	\$ -	\$ 10,000	100%	\$ 10,000	0.00%
	<b>Contractual Services Subtotal</b>	\$ 348,900	\$ 281,780	\$ 67,120	19%	\$ 390,900	12.04%
	<b>Supplies &amp; Materials</b>						
46001	Office Supplies/Audio Visual Supplies	\$ 8,400	\$ 2,746	\$ 5,654	67%	\$ 8,400	0.00%
46002	Forms & Stationary	\$ 1,500	\$ 205	\$ 1,295	86%	\$ 2,000	33.33%
46005	Custodial Supplies	\$ 4,000	\$ 1,295	\$ 2,705	68%	\$ 4,000	0.00%
46033	Apparel/Protective Wear/Personal Protective Equipment	\$ 5,000	\$ 1,965	\$ 3,035	61%	\$ 5,000	0.00%
46012	Books & Publications	\$ -	\$ -	\$ -	0%	\$ -	0.00%
46013	Subscriptions	\$ 1,000	\$ -	\$ 1,000	100%	\$ 1,000	0.00%
46018	Safety Supplies	\$ 5,000	\$ 1,977	\$ 3,023	60%	\$ 5,000	0.00%
46019	Awards & Recognitions	\$ 1,500	\$ -	\$ 1,500	100%	\$ 1,500	0.00%
46020	Grounds Maintenance Supplies	\$ 20,000	\$ 1,718	\$ 18,282	91%	\$ 20,000	0.00%
46026	Food & Dietary Supplies	\$ 1,000	\$ 603	\$ 397	40%	\$ 1,000	0.00%
46022	Minor Equipment-Tools	\$ 5,000	\$ 4,533	\$ 467	9%	\$ 7,000	40.00%
46021	Chemicals/gases	\$ 1,000	\$ 65	\$ 935	93%	\$ 1,000	0.00%
43310	R & M- Office	\$ -	\$ -	\$ -	0%	\$ -	0.00%
46009	Vehicle M&R Equipment Parts	\$ 150,000	\$ 101,226	\$ 48,774	33%	\$ 150,000	0.00%
46007	R&M Supplies-Building	\$ 5,000	\$ 313	\$ 4,687	94%	\$ 5,000	0.00%
43312	R & M-Mechanical-Materials	\$ 1,000	\$ -	\$ 1,000	100%	\$ 1,000	0.00%
46032	Communications M & R Materials	\$ 2,500	\$ -	\$ 2,500	100%	\$ 2,500	0.00%
46025	Haul Road M&R Materials	\$ 110,000	\$ 82,733	\$ 27,267	25%	\$ 110,000	0.00%
46027	Daily Cover/Posi-Shell	\$ 110,000	\$ 86,712	\$ 23,288	21%	\$ 110,000	0.00%
46034	Side Slope Soil Cover-Concord Turnpike	\$ -	\$ -	\$ -	0%	\$ -	0.00%
45210	Postal Services	\$ 2,000	\$ 902	\$ 1,098	55%	\$ 2,000	0.00%
45220	Messenger Services	\$ 200	\$ 493	\$ (293)	-147%	\$ 200	0.00%
43500	Printing & Binding	\$ 1,000	\$ 513	\$ 487	49%	\$ 1,000	0.00%
46035	Shop Supplies	\$ 5,000	\$ 11,063	\$ (6,063)	-121%	\$ 10,000	100.00%
42820	Education-Tuition Assistance	\$ 5,000	\$ -	\$ 5,000	100%	\$ 5,000	0.00%
46023	Computer Materials & Repair	\$ 13,000	\$ 9,479	\$ 3,521	27%	\$ 13,000	0.00%
46024	Mechanical M&R Materials	\$ -	\$ -	\$ -	0%	\$ -	0.00%
	<b>Supplies &amp; Materials Subtotal</b>	\$ 458,100	\$ 308,542	\$ 149,558	33%	\$ 465,600	1.64%

**Landfill Operating and Maintenance Expenses**  
**Schedule 4-Revised for 5/13/15 Special Meeting**

Account	Operations and Maintenance Cost Type	FY 15 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining-FY 15	FY 16 Proposed Budget	% Change FY15 to FY16 Budget
	Gas/Diesel Fuel/Oil & Grease	\$ 350,000		\$ 350,000		\$ 350,000	
46008	Vehicle & Equip Fuel-Diesel	\$ -	\$ 169,677	\$ (169,677)	0%	\$ -	
46028	Vehicle & Equip Fuel-Gasoline	\$ -	\$ 5,218	\$ (5,218)	0%	\$ -	
46029	Vehicle & Equip/Oil & Grease	\$ -	\$ 14,433	\$ (14,433)	0%	\$ -	
	Gas/Diesel Fuel/Oil & Grease Subtotal	\$ 350,000	\$ 189,329	\$ 160,671	46%	\$ 350,000	0.00%
	Rentals & Leases						
45410	Lease/Rent of Equipment-Office (Copier/postal meter)	\$ 7,000	\$ 3,737	\$ 3,263	47%	\$ 7,000	0.00%
45411	Lease/Rent of Equipment-Landfill	\$ 5,000	\$ 2,370	\$ 2,630	53%	\$ 5,000	0.00%
45420	Lease/Rent of Buildings	\$ -	\$ 450	\$ (450)	0%	\$ -	#DIV/0!
	Rentals & Leases Subtotal	\$ 12,000	\$ 6,557	\$ 5,443	45%	\$ 12,000	0.00%
	Utilities & Natural Gas						
45230	Telephone/Internet	\$ 18,000	\$ 13,953	\$ 4,047	22%	\$ 18,000	0.00%
45110	Electrical Services	\$ 15,000	\$ 13,440	\$ 1,560	10%	\$ 20,000	33.33%
45130	Water & Sewer	\$ 6,000	\$ 2,976	\$ 3,024	50%	\$ 6,000	0.00%
45120	Utilities - Propane Gas	\$ -	\$ -	\$ -	0%	\$ -	0.00%
45231	Cellular Services & Pager	\$ 2,000	\$ 1,170	\$ 830	42%	\$ 2,000	0.00%
45121	Utilities - Natural Gas	\$ -	\$ -	\$ -	0%	\$ -	0.00%
	Utilities & Natural Gas Subtotal	\$ 41,000	\$ 31,539	\$ 9,461	23%	\$ 46,000	12.20%
	Travel & Training	\$ 5,000	\$ -	\$ 5,000	100%	\$ 5,000	0.00%
45510	Travel Mileage-Personal Vehicle	\$ -	\$ 329	\$ (329)	0%	\$ -	
45520	Travel-Public Carriers	\$ -	\$ -	\$ -	0%	\$ -	
45530	Travel-Subsistence & Lodging	\$ -	\$ 1,237	\$ (1,237)	0%	\$ -	
45540	Travel-Convention & Education	\$ -	\$ 539	\$ (539)	0%	\$ -	
46014	On-Site Training	\$ 5,000	\$ 890	\$ 4,110	82%	\$ 5,000	0.00%
	Travel & Training Subtotal	\$ 10,000	\$ 2,995	\$ 7,005	70%	\$ 10,000	0.00%
	Miscellaneous						
45800	Miscellaneous	\$ 3,500	\$ 3,404	\$ 96	3%	\$ 3,500	0.00%
45810	Dues and Assoc Membership-Misc	\$ 1,800	\$ 1,894	\$ (94)	-5%	\$ 1,800	0.00%
45801	Bank Service Charges	\$ 3,600	\$ 1,944	\$ 1,656	46%	\$ 3,600	0.00%
45802	Cash Overage and Shortage	\$ -	\$ 4	\$ (4)	0%	\$ -	0.00%
45803	Finance Charges paid to vendors	\$ -	\$ 3	\$ (3)	0%	\$ -	0.00%
45804	Bad Debt Expense	\$ 3,000	\$ -	\$ 3,000	100%	\$ 3,000	0.00%
46030	Fleet Services Internal Charges-Mgt	\$ -	\$ -	\$ -	0%	\$ -	0.00%
45840	VDEQ landfill fee - Misc	\$ 38,000	\$ 25,476	\$ 12,524	33%	\$ 38,000	0.00%
	Misc Expenses Subtotal	\$ 49,900	\$ 32,725	\$ 17,175	34%	\$ 49,900	0.00%
	Payments to Other Entities						
43164	Leachate Treatment-Concord Turnpike	\$ 13,000	\$ 297	\$ 12,703	98%	\$ 13,000	0.00%
43164a	Leachate Treatment-Campbell	\$ 15,000	\$ -	\$ 15,000	100%	\$ 15,000	0.00%
	Insurance	\$ -	\$ -	\$ -	0%	\$ -	
45308	General Liability Insurance	\$ 50,000	\$ 49,768	\$ 232	0%	\$ 50,000	0.00%
	Payments to Other Entities Subtotal	\$ 78,000	\$ 50,065	\$ 27,935	36%	\$ 78,000	0.00%
	Sub-Total SA O & M Expenses	\$ 1,347,900	\$ 903,532	\$ 444,368	33%	\$ 1,402,400	4.04%
	Reimbursable O & M Expenses (see Reimbursable Schedule for Detail)	\$ 196,400	\$ 108,709	\$ 87,691	45%	\$ 196,400	0.00%
	Grand Total Operations and Maintenance Cost	\$ 1,544,300	\$ 1,012,241	\$ 532,059	34%	\$ 1,598,800	3.53%



Reimbursable Landfill Operating and Maintenance Expenses and Personnel Costs  
Schedule 5

Account	Operations and Maintenance Cost Type	FY 14 Budget	Actuals Through 3/31/2015	Diff Between Budget & Actual-FY 15	% Budget Remaining- FY 15	FY 16 Proposed Budget	% Change FY15 to FY16 Budget
	<b>Reimbursable Landfill O &amp; M Expenses</b>						
	<b>City of Lynchburg</b>						
43140	Engineering/Monitoring Services	\$ 55,000	\$ 65,413	\$ (10,413)	-18.9%	\$ 55,000	0.00%
43160	Environmental Lab Services	\$ 15,400	\$ 1,757	\$ 13,643	88.6%	\$ 15,400	0.00%
43161	Tire shredding	\$ -	\$ -	\$ -	0.0%	\$ -	0.00%
43162	HHW Disposal	\$ 27,500	\$ 17,648	\$ 9,852	35.8%	\$ 27,500	0.00%
43163	Wood Waste Grinding	\$ 40,000	\$ -	\$ 40,000	100.0%	\$ 40,000	0.00%
43164	Leachate Treatment	\$ -	\$ -	\$ -	0.0%	\$ -	0.00%
	<b>City of Lynchburg Subtotal</b>	<b>\$ 137,900</b>	<b>\$ 84,817</b>	<b>\$ 53,083</b>	<b>38.5%</b>	<b>\$ 137,900</b>	<b>0.00%</b>
	<b>Amherst County</b>						
43162	HHW Disposal	\$ -	\$ 4,301	\$ (4,301)	0.0%	\$ -	0.00%
	<b>Nelson County</b>						
43162	HHW Disposal	\$ -	\$ 274	\$ (274)	0.0%	\$ -	0.00%
	<b>Appomattox County</b>						
43162	HHW Disposal	\$ -	\$ -	\$ -	0.0%	\$ -	0.00%
	<b>Campbell County</b>						
43140a	Engineering/Monitoring/Remediation Services	\$ 22,000	\$ 14,392	\$ 7,608	34.6%	\$ 22,000	0.00%
43160a	Environmental Lab Services	\$ 11,000	\$ 2,090	\$ 8,910	81.0%	\$ 11,000	0.00%
43161	Tire shredding	\$ -	\$ -	\$ -	0.0%	\$ -	0.00%
43162	HHW Disposal	\$ 5,500	\$ 2,835	\$ 2,665	48.5%	\$ 5,500	0.00%
43163	Wood Waste Grinding	\$ 15,000	\$ -	\$ 15,000	100.0%	\$ 15,000	0.00%
43164a	Leachate Treatment	\$ 5,000	\$ -	\$ 5,000	100.0%	\$ 5,000	0.00%
	<b>Campbell County Subtotal</b>	<b>\$ 58,500</b>	<b>\$ 19,317</b>	<b>\$ 39,183</b>	<b>67.0%</b>	<b>\$ 58,500</b>	<b>0.00%</b>
	<b>Reimbursable Landfill O &amp; M Expenses</b>	<b>\$ 196,400</b>	<b>\$ 108,709</b>	<b>\$ 87,691</b>	<b>44.6%</b>	<b>\$ 196,400</b>	<b>0.00%</b>
	<b>Reimbursable Landfill Personnel Costs</b>						
	<b>City of Lynchburg</b>						
	Concord Turnpike Personnel Costs	\$ 32,843	\$ 21,486	\$ 11,357	34.6%	\$ 32,843	0.00%
	Recycling Program Manager Salary & Benefits	\$ 27,160	\$ 19,739	\$ 7,421	27.3%	\$ 27,160	0.00%
	<b>City of Lynchburg Subtotal</b>	<b>\$ 60,003</b>	<b>\$ 41,225</b>	<b>\$ 18,778</b>	<b>31.3%</b>	<b>\$ 60,003</b>	<b>0.00%</b>
	<b>Campbell County</b>						
	Environmental Compliance & Safety	\$ 20,000	\$ -	\$ 20,000	100.0%	\$ 20,000	0.00%
	Recycling Program Manager Salary & Benefits	\$ 27,160	\$ 19,739	\$ 7,421	27.3%	\$ 27,160	0.00%
	<b>Campbell County Subtotal</b>	<b>\$ 47,160</b>	<b>\$ 19,739</b>	<b>\$ 27,421</b>	<b>58.1%</b>	<b>\$ 47,160</b>	<b>0.00%</b>
	<b>Reimbursable Landfill Personnel Costs</b>	<b>\$ 107,163</b>	<b>\$ 60,964</b>	<b>\$ 46,199</b>	<b>43.1%</b>	<b>\$ 107,163</b>	<b>0.00%</b>

# **Region 2000 Services Authority** **Balance Sheet-Revised for 5/13/15 Special Meeting**

Assets	3/31/2015	
Cash - 2011 Bond Funds		
Cash-US Bank-Bond Balance	\$	-
Cash-US Bank-Bond Fund Payments	\$	1,233,831.39
Total 2011 Bond Funds	\$	1,233,831.39
Cash - Closure/Post-Closure		
Cash -SunTrust Closure/Post-Closure	\$	2,445,928.21 100.0%
Total Lynchburg Contribution C/PC Concord Tpk	\$	2,445,928.21
LGIP-Concord Tpk - SA Contribution C/PC	\$	2,611,079.82
Total Closure/PC - Concord Tpk	\$	5,057,008.03
LGIP-Livestock Road - Purchased Contribution C/PC	\$	408,567.42
LGIP-Livestock Road - SA Contribution C/PC thru FY14	\$	1,482,787.01
Total Closure/PC - Livestock Rd	\$	1,891,354.43
Total Closure/Post Closure	\$	6,948,362.46
Cash-SunTrust Operating Account		
SunTrust Operating Account-Unrestricted	\$	(325,590.51) -10.4%
City of Lynchburg Asset Reduction Payment Amount	\$	156,171.80 5.0%
Excess Revenue (FY2015 )	\$	883,917.00 28.1%
Environmental Rem Reserve Cash (FY2015)	\$	37,500.00 1.2%
Equip Replace Reserve Cash (Since inception)	\$	461,340.31 14.7%
Close/Post-Close Res Cur Year Cash (1Q, 2Q & 3Q FY15)	\$	592,689.00 18.9%
Debt Service Reserve Cash (FY2013)	\$	67,000.00 2.1%
O & M Reserve Cash (FY2012 + FY2013 + FY2014 + FY2015)	\$	1,267,315.00 40.4%
Total SunTrust Operating Account	\$	3,140,342.60 100.0%
LGIP-Environmental Remediation & Future Planning Reserves - FY2009 thru FY2014	\$	453,047.37
Total Cash and CDs & LGIP	\$	11,775,583.82
All Receivables for Operations	\$	677,110.36
Receivable from City for True-up	\$	2,315,238.79
Internal Loan Receivable	\$	2,188,177.99
Prepaid Expenses	\$	-
All Fixed Assets in service-less depreciation	\$	12,820,376.64
Construction in Progress - LR projects	\$	443,726.41
Total Assets	\$	30,220,214.01
<b>Liabilities</b>		
Accounts Payable	\$	275,850.99
Accrued OPEB Liabilities	\$	202,669.08
Accrued Interest Payable	\$	168,887.71
Accrued Vacation Pay	\$	95,453.10
Total Current Liabilities	\$	742,860.88
Accrued Closure-P/C Cost-Concord Tpk - City of Lynchburg	\$	4,778,064.35
Accrued Closure-P/C Cost-Concord Tpk - SA	\$	2,313,845.45
Accrued Closure-P/C Cost-Livestock Road	\$	4,949,676.89
Total Closure/Post-Closure	\$	12,041,586.69
<b>Debt</b>		
Internal Loan Payable	\$	2,188,177.99
2011 Bond Payable	\$	8,072,000.00
Total Liabilities	\$	23,044,625.56
<b>Reserves</b>		
Restricted - Debt Service Reserve	\$	67,000.00
Restricted - Environmental Remediation Reserve	\$	300,000.00
Restricted - Equipment Replacement Reserve	\$	384,571.99
Restricted - Future Disposal Planning Reserve	\$	132,726.60
Restricted - O & M Reserve	\$	1,270,294.00
Total Reserves	\$	2,154,592.59
Fund Balance		\$5,020,995.86
Total Liabilities & Equity	\$	30,220,214.01

Current Bal Sheet

## Region 2000 Services Authority

3/31/2015

Schedule 7

### Capital Equipment Fund

#### FY16 Capital Equipment Items

	Average Cost Estimate	Fund Balance
Estimated Balance @ 6/30/2015		\$ 561,340
Transfer from Operating Fund for FY2016		\$ 408,000
Used Street Sweeper	\$ 50,000	
Used Mini-excavator	\$ 50,000	
Two hand-held radios	\$ 3,000	
Pump Station Actuator Valve	\$ 50,000	
Computer Server System	\$ 9,200	
Subtotal	\$ 162,200	
Estimated Balance @ 6/30/2016		\$ 807,140

### Other Capital Items

#### FY16 Other Capital Items

	Average Cost Estimate
Lateral Expansion at Livestock Road Landfill (future borrowing)	\$ 9,000,000

Sheet: Capital Sch-FY16

4/13/2015

**APPENDIX 15-13**

**RECYCLING AND RECYCLING EDUCATIONAL INFORMATION**

PRMs	As Submitted	Changes	SWPU Region 2000		2008
			Submitted RR:	32.7%	
Paper	53214	53214	DEQ Adjusted RR:	32.7%	
Metal	14777	14777			
Plastic	3810	3810			
Glass	80	80	Calculations:	SWPU	DEQ
Commingled	65	65	PRMs/(PRMs + M) x 100	27.7%	27.7%
Yard Waste	6355	6355			
Waste Wood	6862	6862			
Textiles	251	251			
Tires	1387	1387	(PRMs+C)/(PRMs+C+M) x 100	36.0%	33.7%
Used Oil	393	393			
Used Oil Filters	45	45			
Used Antifreeze	32	32			
Batteries	295	295	M = MSW		
Electronics	53	53	C = Credits		
Inoperative Motor Vehicles	4	4			
Other restaurant grease/oil	517	517			
Other	0	0			
<b>Total:</b>	88140	88140			
<b>MSW:</b>					
Household	82729	82729			
Commercial	144805	144805			
Institutional	2206	2206			
Other	0	0	Base Recycling Rate	27.7%	27.7%
<b>Total:</b>	229740	229740			
<b>Credits:</b>					
Recycling Residue	0	0			
			Adjusted RR # 1	36.0%	33.7%
Solid Waste Reused	7527	4725			
concrete, ceiling grid board, asphalt, rubble, brush, sludge, food waste, dairy waste, wood beams and siding, soil and rock			Adjusted RR # 2	36.0%	33.7%
Non MSW Recycled	33782	23782			
slag for road sanding, inerts as road base material			(Max of 5%) Credits:	32.7%	32.7%
Credits Total Tons	41309	28507			
			Final RR:	32.7%	32.7%
Source Reduction	0.00%	0.00%			
Notes: waste wood to firewood is not eligible; food and dairy waste from manufacturing facilities not eligible; soil and rock are not waste materials; industrial slag is used as road sand, but not recycled.					

## 2009 Recycling Rate Reporting

PRMs	As Submitted	Changes	SWPU Region 2000		
		NONE	Submitted RR:	32.0%	
Paper	48071		DEQ Adjusted RR:	32.0%	
Metal	12665				
Plastic	507				
Glass	7		Calculations:	SWPU	DEQ
Commingled	1605		PRMs/(PRMs + M) x 100	27.0%	#DIV/0!
Yard Waste	5432				
Waste Wood	3607				
Textiles	492				
Tires	1087		(PRMs+C)/(PRMs+C+M) x 100	33.4%	#DIV/0!
Used Oil	196				
Used Oil Filters	7				
Used Antifreeze	17				
Batteries	118		M = MSW		
Electronics	65		C = Credits		
Inoperative Motor Vehicles	0				
Other restaurant grease/oil	404				
Other	0				
<b>Total:</b>	74280	0			
<b>MSW:</b>					
Household	94528				
Commercial	103262				
Institutional	3417				
Other	0		Base Recycling Rate	27.0%	#DIV/0!
<b>Total:</b>	201207	0			
<b>Credits:</b>					
Recycling Residue	0				
			Adjusted RR # 1	33.4%	#DIV/0!
Solid Waste Reused	19771				
concrete, C&D			Adjusted RR # 2	33.4%	#DIV/0!
Non MSW Recycled	7059				
sludge, composted			(Max of 5%) Credits:	32.0%	#DIV/0!
Credits Total Tons	26830	0			
			Final RR:	32.0%	#DIV/0!
Source Reduction	0.00%	0.00%			
Notes:					



2010 Recycling Rate Reporting					
PRMs	As Submitted	Changes	SWPU Region 2000		4/25/11
			Submitted RR:	32.0%	
Paper	55378	55378	DEQ Adjusted RR:	32.3%	
Metal	6542	6542			
Plastic	1276	1276			
Glass	7	7	Calculations:	SWPU	DEQ
Commingled	263	263	PRMs/(PRMs + M) x 100	27.3%	27.3%
Yard Waste	10052	10052			
Waste Wood	6199	6199			
Textiles	351	351			
Tires	859	859	(PRMs+C)/(PRMs+C+M) x 100	42.0%	33.7%
Used Oil	186	186			
Used Oil Filters	18	18			
Used Antifreeze	6	6			
Batteries	146	146	M = MSW		
Electronics	102	102	C = Credits		
Inoperative Motor Vehicles	0	0			
Other grease	202	202			
Other pallets	88	88			
<b>Total:</b>	81675	81675			
<b>MSW:</b>					
Household	94030	94030			
Commercial	120565	120565			
Institutional	3287	3287			
Other	0	0	Base Recycling Rate	27.3%	27.3%
<b>Total:</b>	217882	217882			
<b>Credits:</b>					
Recycling Residue	0				
			Adjusted RR # 1	42.0%	33.7%
Solid Waste Reused	26657	24699			
various C&D, furniture, mulch, pallets			Adjusted RR # 2	42.0%	33.7%
Non MSW Recycled	49359	4277			
R/R rails, sludge composted			(Max of 5%) Credits:	32.3%	32.3%
Credits Total Tons	76016	28976			
			Final RR:	32.3%	32.3%
Source Reduction	0.00%	0.00%			
Notes: R/R rails not solid waste as generated.					
**DEQ deleted 1,908 tons of mulch from Region 2000 shipped off site to be used as fuel.					
**DEQ deleted 45,082 tons of r/r rails from Bedford City melted to blasting material.					

2011 Recycling Rate Reporting					
PRMs	As Submitted	Changes	SWPU Region 2000		4/27/12
			Submitted RR:	38.8%	
Paper	39481	39481	<b>DEQ Adjusted RR:</b>	<b>38.8%</b>	
Metal	40679	40679			
Plastic	5699	5699			
Glass	49	49	<b>Calculations:</b>	SWPU	DEQ
Commingled	3138	3138	PRMs/(PRMs + M) x 100	34.0%	33.8%
Yard Waste	3302	3302			
Waste Wood	10008	10008			
Textiles	280	280			
Tires	511	511	(PRMs+C)/(PRMs+C+M) x 100	38.8%	38.8%
Used Oil	291	291			
Used Oil Filters	6	6			
Used Antifreeze	70	70			
Batteries	218	218	M = MSW		
Electronics	76	76	C = Credits		
Inoperative Motor Vehicles	0	0			
Other -pallets	499	0			
Other cooking oil	128	128			
<b>Total:</b>	104435	103936			
<b>MSW:</b>					
Household	93196	93196			
Commercial	106463	106463			
Institutional	3516	3516			
Other	0	0	Base Recycling Rate	34.0%	33.8%
<b>Total:</b>	203175	203175			
<b>Credits:</b>					
Recycling Residue	0	0			
			Adjusted RR # 1	38.8%	38.8%
Solid Waste Reused	16327	16327			
asphalt, concrete, C&D, furniture, appliances, mulch			Adjusted RR # 2	38.8%	38.8%
Non MSW Recycled	7977	8476			
sludge-composted, <b>pallets</b>			(Max of 5%) Credits:	38.8%	38.8%
Credits Total Tons	24304	24803			
			Final RR:	38.8%	38.8%
Source Reduction	0.00%	0.00%			
Notes: Moved pallets from PRMs, Other to Credits, Non-MSW Recycled					



## 2012 Recycling Rate Reporting

PRMs	As Submitted	Changes	SWPU Region 2000		4/9/13
			Submitted RR:	32.5%	
Paper	52497	52497	<b>DEQ Adjusted RR:</b>	<b>31.3%</b>	
Metal	23522	23522			
Plastic	873	873			
Glass	37	37	<b>Calculations:</b>	SWPU	DEQ
Commingled	2326	2326	PRMs/(PRMs + M) x 100	27.9%	27.9%
Yard Waste	5644	5644			
Waste Wood	3923	3923			
Textiles	68	68			
Tires	873	873	(PRMs+C)/(PRMs+C+M) x 100	32.5%	31.3%
Used Oil	412	412			
Used Oil Filters	4	4			
Used Antifreeze	10	10			
Batteries	482	482	M = MSW		
Electronics	58	58	C = Credits		
Inoperative Motor Vehicles	0	0			
Other cooking oil	291	291			
Other	0	0			
<b>Total:</b>	91020	91020			
<b>MSW:</b>					
Household	78644	78644			
Commercial	151869	151869			
Institutional	5276	5276			
Other	0	0	Base Recycling Rate	27.9%	27.9%
<b>Total:</b>	235789	235789			
<b>Credits:</b>					
Recycling Residue	0	0			
			Adjusted RR # 1	32.5%	31.3%
Solid Waste Reused	11400	11400			
concrete, furniture (Habitat)			Adjusted RR # 2	32.5%	31.3%
Non MSW Recycled	10989	4959			
Sludge, pallets, slag			(Max of 5%) Credits:	32.5%	31.3%
Credits Total Tons	22389	16359			
			Final RR:	32.5%	31.3%
Source Reduction	0.00%	0.00%			

Notes: slag as an industrial waste is not an eligible item for the calculation.

Summary of Recycling Data (2013) as approved by Virginia DEQ

Material	Appomattox County	Campbell County	Nelson County	Bedford City	Lynchburg City	Region 2000
Total PRM	Tons	Tons	Tons		Tons	Tons
Paper	879	6,320	606	57	34,167	42,029
Metal	104	50,935	101	12	4,015	55,167
Plastic	21	159	72	8	395	655
Glass	0	0	0	23	4	27
Commingled	67	1,058	0	0	1,637	2,762
Yard Waste	368	2,660	0	0	728	3,756
Waste Wood	58	1,242	0	0	1,269	2,569
Textiles	42	0	27	0	2	71
Waste Tires	167	361	21	0	19	568
Used Oil	35	128	0	8	242	413
Used Oil Filters	1	0	0	0	0	1
Used Anti-freeze	1	1	0	0	3	5
Batteries	115	78	0	0	112	305
Electronics	11	14	9	3	47	84
Inoperative Motor Vehicles	0	0	0	0	0	0
Cooking oil	41	1	0	0	9	51
<b>SUBTOTAL</b>	1,910	62,957	836	111	42,649	108,463
Credits <span style="float:right">Tons</span>						
Recycling Residue						0
Solid Waste Reused						9,128
Non MSW Recycled						3,950
Credits Total Tons						13,078
Final Recyclling Rate approved by Virginia DEQ <span style="float:right">38.9%</span>						

# 2013 Recycling Rate Reporting

PRMs	As Submitted	Changes	SWPU Region 2000		4/3/14
			Submitted RR:	47.3%	
Paper	42029	42029	DEQ Adjusted RR:	38.9%	
Metal	105167	55167			
Plastic	655	655			
Glass	27	27	Calculations:	SWPU	DEQ
Commingled	2762	2762	PRMs/(PRMs + M) x 100	45.4%	36.2%
Yard Waste	3756	3756			
Waste Wood	2569	2569			
Textiles	71	71			
Tires	568	568	(PRMs+C)/(PRMs+C+M) x 100	47.3%	38.9%
Used Oil	413	413			
Used Oil Filters	1	1			
Used Antifreeze	5	5			
Batteries	305	305	M = MSW		
Electronics	84	84	C = Credits		
Inoperative Motor Vehicles	0	0			
Other cooking oil	51	51			
Other	0	0			
<b>Total:</b>	158463	108463			
<b>MSW:</b>					
Household	76240	76240			
Commercial	111230	111230			
Institutional	3306	3306			
Other	0	0	Base Recycling Rate	45.4%	36.2%
<b>Total:</b>	190776	190776			
<b>Credits:</b>					
Recycling Residue	0	0			
			Adjusted RR # 1	47.3%	38.9%
Solid Waste Reused concrete, furniture (Habitat)	9128	9128			
			Adjusted RR # 2	47.3%	38.9%
Non MSW Recycled CDD, sludge, pallets, asphalt	3950	3950			
			(Max of 5%) Credits:	47.3%	38.9%
Credits Total Tons	13078	13078			
			Final RR:	47.3%	38.9%
Source Reduction	0.00%	0.00%			
Notes: PRMs, Metal reduced based on discussion with vendor 6/5/2014 (400,000 tons/8)					

HHW EWaste Lynn FY14

Participants for HHW & E-Waste Collection Event FY-14				
	Jurisdiction	HHW	E-Waste	
<b><u>April 12, 2014</u></b>				
	Amherst	3	0	
	Appomattox	0	0	
	Campbell	29	28	
	City	166	132	
	Nelson	1	0	
		199	160	
<b><u>June 14, 2014</u></b>				
	Amherst	9	3	
	Appomattox	0	0	
	Campbell	15	28	
	City	78	59	
	Nelson	1	1	
		103	91	
<b><u>10/11/2014</u></b>				
	Amherst	9	3	
	Appomattox	1	1	
	Campbell	31	25	
	City	193	138	
	Nelson	3	1	
		237	168	
<b>Grand Totals</b>				
	Total participants of above	<u>539</u>	<u>419</u>	
<b><u>Tonnages for E-Waste</u></b>				
	4/12/2014	1.367	tons	Scott Recycling
	6/14/2014	4.423	tons	Scott Recycling
	10/11/2014	<u>4.098</u>	<u>tons</u>	Ecyclers USA
Total E-cycling collected		<b>9.89</b>		

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Lynn FY14

HHW EWaste Lynn FY14

## **Class Presentation for Kindergarten – 1<sup>st</sup> Grade on Litter, Recycling and Landfill**

By Diane Dodd, Recycling Program Manager

### **Litter**

- ❖ Hold up the vocabulary word cards and ask the children to read each word:
  - Trash
  - Litter
  - Reuse
  - Recycle
- ❖ Ask the class what is trash?
  - How does trash get on the ground and in the water?
  - Where does trash belong?
  - Where does it go once it is picked up?
- ❖ Ask the class what is litter?
- ❖ Read the book, “The Day the Trash Came Out to Play” by David M. Beadle
- ❖ Litter and animals
  - Do animals know the difference between litter and food?
  - What is trash called when it hits the ground?
  - What is an eyesore? Does it mean it hurts your eye to look at it?
- ❖ Roadside litter
  - You are riding in the car with me eating a candy bar.
  - Would a candy wrapper still smell like a candy bar if you threw your wrapper out of the car window?
  - What could happen if you did this?
    - I would get a ticket (hopefully) because I was driving and you threw it out.
    - Animal eat the litter
    - Animal get hit by passing car
  - We sometimes do things unconsciously without meaning to, but don’t take the time to think about what harm we could do.
  - Try to be more careful with our litter because it not only looks bad, but can hurt animals.
- ❖ Property littered
  - Show a photograph of a littered housing lot.
    - What kinds of animals like to live here:
      - Rats, snakes, spiders, etc.
      - ◆ Disease
    - Is this an example of an eyesore?
    - Would you want to live next to this?
      - Why?
    - What should we do with this property?
      - Ask owner to clean up.
      - ◆ Owner refused, landfill cleans up and charges owner for cleanup.
  - What is an illegal dump site?

- Do you know where one is?
  - Is this an eyesore also?
  - How can we prevent this from happening?
    - Enforce laws
      - Make stricter laws.
        - ◆ Do people follow laws now?
          - How can we change that?
            - More public notification of violator.
            - Anything else?
- ❖ The community in the book worked as a team to clean up the litter in their town?
  - Why is working in a team good?
  - Could it ever be bad?
  - Are you a good team member?
  - Why?

## Recycling

- ❖ Native Americans
  - Who do you think were the first recyclers?
  - Have a child draw a deer on the blackboard?
  - Ask why do you think I asked him/her to draw a deer?
  - Who used everything/every part of something they killed?
    - Made jewelry from bones/teeth
    - Made clothing from skins
    - Made shelter from skins
    - Made instruments from skins
    - Ate for food
    - Made weapons from bones
    - Can anyone think of anything else?
    - Did Native Americans have a recycling bin to go to?
    - Do you think we should give them credit as being the first recyclers in North America?
- ❖ Why recycle?
  - What does saving the environment mean?
  - What are the 3 R's of recycling
    - Reduce, reuse and recycle
  - Are you too young to recycle?
  - What can you do?
  - Show 2 photographs of children using the recycling bins.

## Landfill

- ❖ Tour landfill PowerPoint
  - Show short PowerPoint
- ❖ Greenhouse gas – discuss methane
  - Cattle #1 producer

- We produce methane gas
- ❖ Discuss Makeup of a landfill
  - Costs to build a landfill
  - Show several photographs of loader in trash and trucks in the trash.
  - Do we want to leave recyclables in the trash?
    - Why not?
- ❖ Why do we cover the trash at night with dirt (or posi-shell)?
  - Stop blowing litter
  - Help control odors
  - Protect animals

Show examples of items that can be recycled. Have students tell if they are recyclable and/or made from recycled products.

### **Questions/Discussions**

Are you going to throw trash out of the car window or just throw it on the ground?  
 What does trash become when it hits the ground?  
 How can it hurt animals?  
 Do you recycle at home?  
 Do you think you will recycle more now?  
 Why?  
 Will you reduce waste by buying in bulk?  
 Tell me some ways you can reuse?  
 Can you think of better uses for trash than putting in the ground?  
 Who do you think the first recyclers were in North America?  
 Are we a wasteful America?

Can you do your part in going green and recycle and cut down on waste?

Hand out word find and maze for young children dealing with recycling. How can you tell if I reduce on waste? I used both sides of the paper for the maze and word find.

If possible, give each child a give-a-way made from recycled products.

## **Class Presentation for 2<sup>nd</sup> – 4<sup>th</sup> graders on Litter, Recycling and Landfill**

By Diane Dodd, Recycling Program Manager

### **Litter**

- ❖ Litter and animals
  - Do animals know the difference between litter and food?
  - What is trash called when it hits the ground?
  - What is an eyesore? Does it mean it hurts your eye to look at it?
  
- ❖ Roadside litter
  - You are riding in the car with me eating a candy bar.
  - Would a candy wrapper still smell like a candy bar if you threw your wrapper out of the car window?
  - What could happen if you did this?
    - I would get a ticket (hopefully) because I was driving and you threw it out.
    - Animal eat the litter
    - Animal get hit by passing car
  - We sometimes do things unconsciously without meaning to, but don't take the time to think about what harm we could do.
  - Try to be more careful with our litter because it not only looks bad, but can hurt animals.
  
- ❖ Property littered
  - Show a photograph of a littered housing lot.
    - What kinds of animals like to live here:
      - Rats, snakes, spiders, etc.
        - ◆ Disease
      - Is this an example of an eyesore?
    - Would you want to live next to this?
      - Why?
    - What should we do with this property?
      - Ask owner to clean up.
        - ◆ Owner refused, landfill cleans up and charges owner for cleanup.
  - What is an illegal dump site?
    - Do you know where one is?
    - Is this an eyesore also?
  - How can we prevent this from happening?
    - Enforce laws
      - Make stricter laws.
        - ◆ Do people follow laws now?
          - How can we change that?
            - More public notification of violator.
            - Anything else?



## **Recycling**

- ❖ Native Americans
  - Who do you think were the first recyclers in North America?
  - Have a child draw a deer on the blackboard?
  - Ask why do you think I asked him/her to draw a deer?
  - Who used everything/every part of something they killed?
    - Made jewelry from bones/teeth
    - Made clothing from skins
    - Made shelter from skins
    - Made instruments from skins
    - Ate for food
    - Made weapons from bones
    - Can anyone think of anything else?
    - Did Native Americans have a recycling bin to go to?
    - Do you think we should give them credit as being the first recyclers in North America?
- ❖ Why recycle?
  - What does saving the environment mean?
  - What are the 3 R's of recycling
    - Reduce, reuse and recycle
  - Are you too young to recycle?
  - What can you do?

## **Landfill**

- ❖ Tour landfill PowerPoint
  - Show short PowerPoint
- ❖ Greenhouse gas – discuss methane
  - Cattle #1 producer
  - We produce methane gas
- ❖ Discuss Makeup of a landfill
  - Costs to build a landfill
  - Do we want to leave recyclables in the trash?
    - Why not?
- ❖ Why do we cover the trash at night with dirt (or posi-shell)?
  - Stop blowing litter
  - Help control odors
  - Protect animals

### **Questions/Discussions**

Are you going to throw trash out of the car window or just throw it on the ground?

What does trash become when it hits the ground?

How can it hurt animals?

Do you recycle at home?

Do you think you will recycle more now?

Why?

Will you reduce waste by buying in bulk?

Tell me some ways you can reuse?

Can you think of better uses for trash then putting in the ground?

Who do you think the first recyclers were in North America?

Are we a wasteful America?

## **Classroom Presentation for 7<sup>th</sup> Graders Studying Landfills – Full Class time needed.**

By Diane Dodd, Recycling Program Manager

Ask what is a landfill?

Ask who has been to the landfill?

Why go to the landfill?

Show how to get to the landfill using a PowerPoint presentation from a major location that the children would know – i.e. convenience market, gas station, school, etc.



Continue with the PowerPoint presentation showing a drop-off convenience center. Why a convenience center is used by the citizenry and ask what else is located at the convenience center? Show why the recycling bins are located conveniently to the trash dumpsters and why it is a very good idea to have them there. Identify what types of recyclables are collected at the convenience center. Ask the difference between corrugated cardboard and a cereal box and why they are NOT placed in the same recycling bin. Explain what contamination means and what happens if a recycling bin is contaminated.



Show a recycling symbol and ask what are the 3 R-3 of recycling?  
Reduce, reuse and recycle. Ask what that means by giving examples?

Continue down the road to the landfill. Show the weight scales with all the signage. Explain what gross, tare and net weight means. Ask how many pounds are in a ton? Ask if the beginning weight taken when you enter the landfill is a gross or tare weight. Explain why taking weights are important when entering and leaving a landfill.



Continue with the PowerPoint presentation noting how the scalehouse identifies also what type of trash the customer is bringing in and why that is important to know along with where it is placed in the landfill. Will it be buried with the trash, recycled by placing in tire pile, recycled in the brush pile? Show examples of these piles and a white goods pile. Ask if anyone knows what is being recycled in the white goods photograph?



Show the PowerPoint photo of an old landfill. Explain how trash could touch the dirt in the old landfills (without protective liners) and when trash decomposes it puts off a liquid and a gas. Ask if anyone knows the name for the gas. 7<sup>th</sup> graders have studied Methane and will know the answer. Tell them that Methane is a greenhouse gas. Ask if anyone knows the #1 producer of Methane gas? Explain to them why cows are the #1 producer, not landfills. Tell them that they also produce methane gas. Show a methane gas well in the old landfill. Tell them how the methane is measured and why reporting is done.





Show a PowerPoint photograph of a flare station. Explain why the flares are burning. Ask what can be done with methane if there is enough of it being produced. Would the capture of methane help our environment? Why?

Ask them what is the name of the liquid produced from trash decomposing and from rainwater being absorbed into the landfill? Ask what happens to this leachate and where does it go?

Ask if anyone has heard of groundwater?

Explain that eventually everything that touches the soil will wind up in the groundwater and how that is the water we drink. Again remind the students that this is an example of an old landfill when trash could touch the what? Dirt.

Show the PowerPoint of a water remediation building and inside the building. Explain about all the valves and the holding tank. Explain about sampling and reporting for a remediation station. Explain how this treated water is being released back into a stream, but only after being treated. Is this water clean and safe after being treated? Again remind the students that this is an example of an old landfill when trash could touch the dirt.



Continue with the PowerPoint showing a new landfill. Show construction photographs.



Pass around a sample of 60 mil liner that has been welded together. Show photographs of the different stages of a new cell construction. Explain what a cell is and what a phase means in a landfill. Draw a schematic on a blackboard.





Show a PowerPoint aerial photograph showing cells in a landfill. Show how the cells are tied together by not allowing trash to be put against the edge of a cell.

Show how no trash touches the dirt anymore in the beginning stages of landfill construction. Tell how much it costs to build a 4-acre cell by digging the hole out and putting the protective liners, piping, drainage layer, cushion, etc. in the hole.

Show a photograph of a pan that is used to ‘dig’ the hole out. Ask the students if that much money should be spent to put trash in the ground? Discuss their answers later.



Show a photograph of a leachate holding tank.



Ask if anyone knows what this is? Explain in new landfills the piping earlier discussed is what carries the rainwater and leachate to the holding tank. Ask if anyone knows what gravity means. Tell that the leachate is gravity-fed to the holding tank. Explain what happens to the leachate in the holding tank. Why would the tank be double-walled?



Explain by PowerPoint photographs trucks unloading garbage in a landfill. Explain what a workface or fill face means. Ask if anyone sees any recyclables mixed in the trash being unloaded?

Show a photograph of a compactor and how it compacts the trash. Ask what kind of wheels do they see? Explain how the spikes help to compact the trash. Explain how slippery the trash gets in the rain.



Ask where the rainwater goes in a landfill when it is raining? Explain that at the end of the day, the compacted trash can touch the dirt now in a new landfill. At the end of each day, the trash must be covered with 6" of daily cover which can be dirt. Why is this done – prevent trash from blowing and scattering in the wind, help control odor and to help protect against animals and birds. Why not feed the animals and birds the landfill trash and old food? What is compost? Should all food scraps be composted instead of landfilled?

Ask the students again – in an old landfill the trash touches the what? Dirt. In a new landfill the trash can only touch the dirt after the protective layering has been placed. Ask the cost for a 4-acre cell construction. Ask if anyone remembers what the name is for the gas produced when trash is decomposing? Ask if anyone remembers the name for the liquid that is produced when trash is decomposing? Ask for other names for decomposing? Rotting or putrescible waste. Again ask the students if they think there is a better use for trash than putting it in the ground?

Ask if anyone remembers how cells are tied together in a phase. What happens after they are tied together? Does the trash mountain continue to get bigger? Explain that eventually when

the cell has held all the trash it can, that the protective laying in the bottom of the landfill will now go all around the landfill phase. Ask if new landfills have gas wells and why they will.



Show a PowerPoint of a completed edible landfill. Tell students that they will now have lab and will make something that you can eat.

Pass out the ingredients for an edible landfill in order of cell construction. As each ingredient is given, explain how the empty cup is the excavated hole in the cell. Explain how each ingredient represents an actual cell layer. After the cell is constructed, ask the students to look at how full their cup is and no trash has been placed yet in the cell. Start putting trash in and tell the children that it is raining on their cell. Put in an ingredient to represent leachate. Continue layering the edible landfill with a cap and use a candle to represent a methane gas recovery system. Let the students eat their edible landfill lab.

Hand out a drawing of their edible landfill (or edible landfill sundae – which ever you prefer to make depending on class size) and ask them to identify the different layers.



As they are identifying in the different layers, ask if a landfill supervisor would need to go to college? Give them different examples of what a landfill supervisor has to do. Did they change their mind about whether or not a college degree would be needed? Ask if anyone can operate a loader in the landfill? Ask if loader operators are skilled? What does skilled mean? Give different examples of what could happen in a landfill.

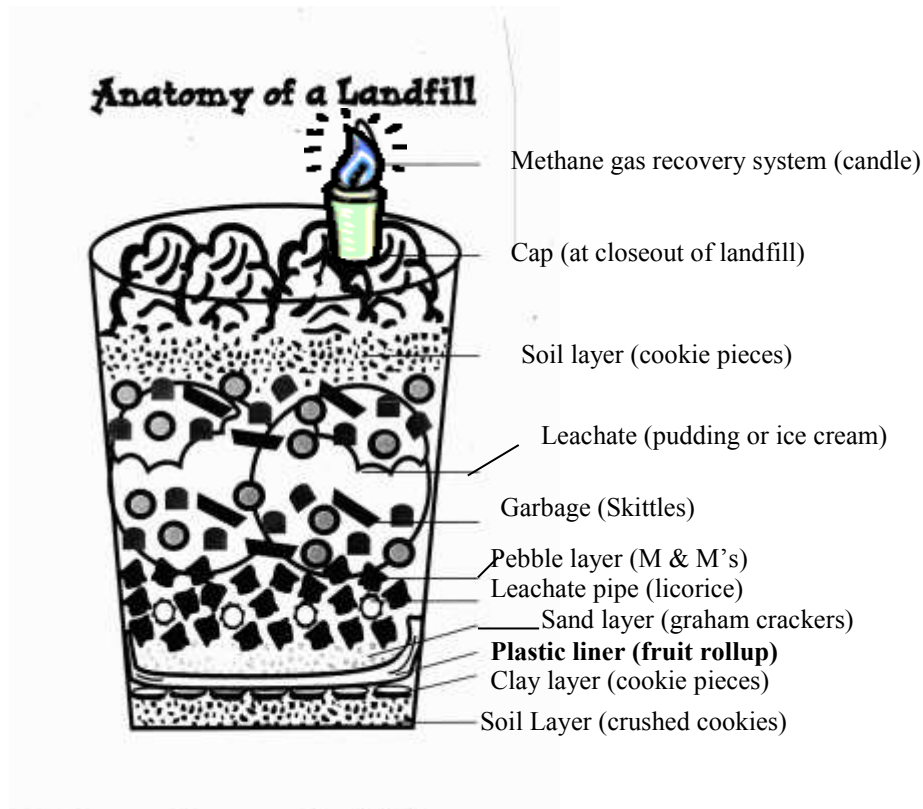
Ask if any of them would like to work at a landfill? Briefly identify various positions. Ask if they will take the lead to find better uses for trash? Ask if they will recycle better now

to keep recyclables out of the waste stream? Will they pass the word and tell other people about recycling and landfill construction?

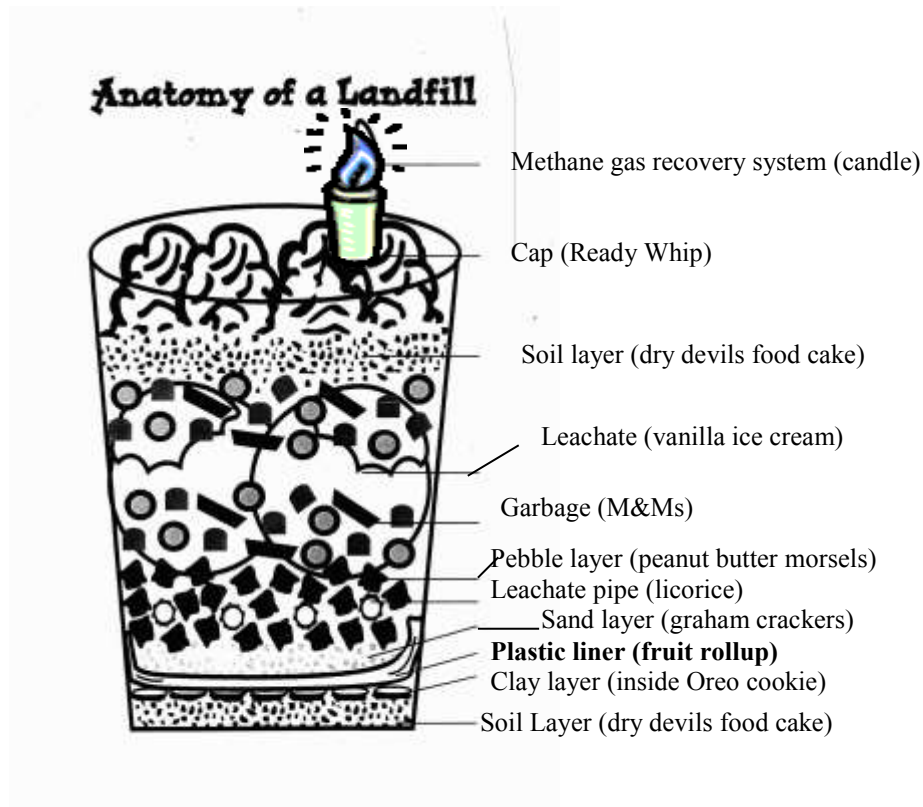
If possible have give-a-ways to hand out made from recycled products.



Answers to edible landfill:



Or for an edible landfill sundae:



Have Fun and Be Creative.

# Household Hazardous Waste and Electronic Recycling



## 2014 COLLECTION DAYS

**Saturday: April 12, June 14, October 11, 2014**

**Hours: 8:00 AM to 12:00 NOON**

**Collection Center: Concord Turnpike Regional Landfill**

*This is a free service for RESIDENTS of the City of Lynchburg, and the Counties of Amherst, Appomattox, Campbell, Nelson, and the Towns of Altavista & Brookneal.*

**GUIDELINES:** Residents must present a photo ID! Please bring **small** items in non-returnable containers. Amherst, Appomattox, and Nelson County residents must bring a voucher from the county solid waste department. To obtain a voucher call: Amherst County (434) 846-3324 • Appomattox County (434) 352-8184 • Nelson County (434) 263-7098.

**ALL RESIDENTS:** To speed the process print and fill out this form and bring it with you—online go to: [www.region2000.org/Household-Hazardous-and-Electronic-Waste.html](http://www.region2000.org/Household-Hazardous-and-Electronic-Waste.html)

### Acceptable HHW

Acids/Bases	Lighter Fluids
Aerosols	Oven Cleaners
Antifreeze	Oxidizers
Autostarter	Oil Base Paint
Brake Fluids	Pesticides
Batteries	Photo Chemicals
Cleaners	Polishes
Corrosives	Pool Chemicals
Drain Openers	Poisons
Flammables	Solvents & Thinners
Fluorescent Bulbs	Used Motor Oil
Furniture Stripper	Weed Killers
Herbicides	Wood Preservatives
Kerosene	



### NON-Acceptable HHW

Agent Orange  
Ammunition  
Dioxin  
Explosives  
Garbage  
Gas Cylinders  
Kepone  
**LATEX PAINT\***  
Liquified Asbestos  
Medical Waste  
Oil Tanks  
Pathological Waste  
PCB's  
PROWL  
Prozine  
Radioactives (smoke detectors)  
Recyclables  
Silvex  
Stomp  
TCDD  
55 Gallon Drums of Anything

### Acceptable Electronics

Televisions  
Computer monitors  
Computer equipment  
Laptop & notebook computers  
Computer systems (CPU units)  
Computer printers, scanners, plotters  
Computer accessories  
(keyboards, mice, speakers, cords, cables)  
External disk memory & hard disk drives  
Circuit boards and electronic components  
Network hubs, modems, & routers  
Toner cartridges (ink jet & laser jet)  
Basically, any electronic with a cord!



*\*LATEX PAINT is water based and can be dried with kitty litter, sawdust or sand. After dry, put in regular trash.*



**Concord Turnpike Regional Landfill**

2525 Concord Turnpike • Lynchburg, VA 24504

**(434) 455-6086** [www.region2000.org/household-hazardous-and-electronic-waste](http://www.region2000.org/household-hazardous-and-electronic-waste)

# Household Hazardous Waste and Electronic Recycling



## 2015 COLLECTION DAYS

**Saturday: April 11, June 13, October 10, 2015**

**Hours: 8:00 AM to 12:00 NOON**

**Collection Center: Concord Turnpike Convenience Center, Lynchburg**

This is a free service for RESIDENTS of the City of Lynchburg, and the Counties of Amherst, Appomattox, Campbell, Nelson, and the Towns of Altavista & Brookneal.

**GUIDELINES:** Residents must present a photo ID! Please bring **small** items in non-returnable containers. Amherst, Appomattox, and Nelson County residents must bring a voucher from the county solid waste department. To obtain a voucher call:

**Amherst County (434) 846-3324 • Appomattox County (434) 352-8184 • Nelson County (434) 263-7098.**

**ALL RESIDENTS:** To speed the process print and fill out this form and bring it with you—online go to: [www.region2000.org](http://www.region2000.org).

### Acceptable HHW

Acids/Bases	Lighter Fluids
Aerosols	Oven Cleaners
Antifreeze	Oxidizers
Autostarter	Oil Base Paint
Brake Fluids	Pesticides
Batteries	Photo Chemicals
Cleaners	Polishes
Corrosives	Pool Chemicals
Drain Openers	Poisons
Flammables	Solvents & Thinners
Fluorescent Bulbs	Used Motor Oil
Furniture Stripper	Weed Killers
Herbicides	Wood Preservatives
Kerosene	



### NON-Acceptable HHW

Agent Orange  
Ammunition  
Dioxin  
Explosives  
Garbage  
Gas Cylinders  
Kepone  
**LATEX PAINT\***  
Liquified Asbestos  
Medical Waste  
Oil Tanks  
Pathological Waste  
PCB's  
PROWL  
Prozine  
Radioactives (smoke detectors)  
Recyclables  
Silvex  
Stomp  
TCDD  
55 Gallon Drums of Anything

### Acceptable Electronics

Televisions  
Computer monitors  
Computer equipment  
Laptop & notebook computers  
Computer systems (CPU units)  
Computer printers, scanners, plotters  
Computer accessories  
(keyboards, mice, speakers, cords, cables)  
External disk memory & hard disk drives  
Circuit boards and electronic components  
Network hubs, modems, & routers  
Toner cartridges (ink jet & laser jet)  
Basically, any electronic with a cord!



**\*LATEX PAINT** is water based and can be dried with kitty litter, sawdust or sand. After dry, put in regular trash.



**Region 2000 Services Authority**  
361 Livestock Road, Rustburg, VA 24588

**(434) 455-6086** [www.region2000.org](http://www.region2000.org)

**APPENDIX 15-14**

**PUBLIC NOTIFICATION INFORMATION**

**NOTICE OF PUBLIC HEARING**  
**MAJOR AMENDMENT TO**  
**REGION 2000 SERVICES AUTHORITY**  
**SOLID WASTE MANAGEMENT PLAN**

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss a major amendment to the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588. The Region 2000 Services Authority has been duly authorized by the regional members to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. The major amendment addresses the proposed additional capacity of the lateral expansion at the Permit 610 landfill located in Rustburg Virginia with said additional capacity located between two previously permitted landfill development phases and located within the original facility boundary. In addition, the major amendment addresses the withdrawal of the City (now town) of Bedford which became effective on July 1, 2013.

Written comment on the major amendment will be accepted by the Region 2000 Services Authority until 5:00 PM, May 4, 2015. Written comments shall be addressed to the Region 2000 Services Authority, 316 Livestock Road, Rustburg VA 24588 or emailed to [SWMPcomments@region2000.org](mailto:SWMPcomments@region2000.org). All written comments should include the name and address of the author of the document.

A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:

Region 2000 Services Authority, 316 Livestock Road, Rustburg Virginia 24588

and

[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)



Call (434) 369-6688  
Fax (434) 369-6689  
www.altavistajournal.com  
altavistajournal@altavistajournal.com

# Altavista Journal CLASSIFIEDS

Deadline & Payment  
For Classified Ads Is  
1 PM ON MONDAY!!

**Help Wanted**  
**Experienced Dump Truck Driver** needed with clean driving record, CDL license required. 434-441-0518. 3-11-4tp  
Chatham

**High School Career Coach**  
Career and Technical Education #R0010  
Please visit the employment page of our web site at <http://www.dcc.vccs.edu/Employment/employment.htm> for details. Danville Community College is committed to becoming a model higher education institution for diversity and inclusion and invites multicultural professionals from all backgrounds to contribute to its aspiration for building an inclusive community where everyone is given equal opportunity to reach their full potential. Employment will be contingent upon the results of a background check. 4-1-1tu  
Chatham

**HELP WANTED:** Gutter and siding mechanics and helpers needed. Must pass background check. Call 434-444-1718. (4-1-2tb)  
Altavista

**WANTED LABORER:** Must be able to lift 50 pounds, apply in person at Dalton Lumber Co., 84 Tardy Mountain

**Help Wanted**  
Road, Altavista 434-369-5429 (4-12tb)  
Altavista

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**LOOK HERE**  
**Steves Heating and Air**  
Free Estimates. We offer sales and services. Installation of equipment as well. Licensed and Bonded. Formerly Hales Heating and Air. Owner Steve Hale 434-250-2037. 3-25-2tp  
Chatham

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**HUFFMAN'S TREE, Chimney Cleaning, Landscaping & Lawn Service:** Topping, tree removal, hedge and boxwood trimming. Free estimates. Call 434-324-9603 or cell 434-221-8086. 6-11-rtnu  
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**QUESTIONS ABOUT MEDICARE??** Getting your Medicare Insurance in 2015. Call me, Julia C Roberts 434-525-6714, with 28 years experience I'll help you look at your options and find the best plan for you. (tfn/bill)  
Altavista

**DANIELS LAWN CARE** Call for free

**Services**  
estimates. (4-12tp/2tnc)  
Altavista

**HANDYMAN,** any jobs inside or out, pressure washing, staining, tile, landscaping, home improvement, etc. No job too small. Call 434-656-6430 or 434-709-8596. (03-02, tfn/c)  
Altavista

**Real Estate for Sale**

**SALE**  
**PENHOOK - COTTAGE - EDGE** community on the lake. Lovely 3 bedroom 2 bath home on lot with great view of lake. Over 1800SQ, fully furnished, enclosed porch, large storage building. All appliances including WD, DW & fridge. Call Greg M-F 8-5 276-252-4379 other times 540-576-5055 3tpcc 3/25  
Smith Mountain Lake

14 x 80 Single Wide Mobile Home. Three bedroom 2 ba., vinyl siding with shingle groove. 1.2 acres on Jefferson Dock Rd., Penhook. 300 - 400 ft away from Public Boat Ramp. (336) 932-2204. 4tpcc  
Smith Mountain Lake

3 BR, 2 BA Cape. Near Appomattox Historic Site. Fully renovated; brick exterior, vinyl windows. Custom kitchen with up-graded cabinets, new appliances, incl DW, ceramic tile floor; 2 Custom ceramic tile

**Real Estate for Sale**  
BA. Insulated; new heat pump, auxiliary oil heat. New wiring, plumbing, quality workmanship throughout. Full, dry basement. New deck. \$137,000 434-426-7012. 4/1, 3 tp  
Appomattox

**FOR RENT:** House in Gretna, \$500/mth., no pets, no smoking. 434-656-2854. 3-25-6tp  
Chatham

**Real Estate for Rent**

**FOR RENT:** Commercial bldg., 30x65 ft. and 25x40 ft. sections. Will rent as 1 section or separate. Seminole Center, Rt. 29, between Chatham and Gretna. 434-203-7000. 3-25-6tp  
Chatham

**FOR RENT:** One Level Home located on 4th Street, 2 Bedrooms, gas furnace, washer/dryer connections and eat-in kitchen. \$400/month. Please contact Brownstone Properties, Inc @ (434) 385-1025 for more information. (1-14-tfn)  
Altavista

**FOR RENT:** Spacious 2 Bedroom apartment for rent located at 1500 Avondale Drive. 1,100 sq feet, central heat/air & washer/dryer connections. \$575.00 per month. Please call Brownstone Properties, Inc @ 434-385-1025 for more information. (3-25-tfn)  
Altavista

**Real Estate for Rent**  
**FOR RENT:** Very Nice 3 Bedroom 2 Bathroom, energy efficient home on 60 acres with 1000 ft of frontage on the Staunton River in Long Island. 4 wheeler trails, fishing & camping for \$495.00/month. Call 444-4449. (3-25/2x/bill)  
Altavista

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**Guns**  
Largest Selection of Guns in Central Virginia  
Smith & Wesson  
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**Real Estate for Rent**  
for \$495.00/month. Call 444-4449. (4-1/1x/bill)  
Altavista

**Boats For Sale**  
2001 Hurricane Sundeck 217 with 150 hp Mercury outboard. Only 201 hours. Great condition. Call 540-420-1275. 2tpcc 3/25.  
Smith Mountain Lake

**Fair Housing Notice**

The Altavista Journal is pledged to the letter and spirit of Virginia's and HUD's equal opportunity housing policies. Virginia's fair housing law makes it illegal to advertise any preference, limitation or discrimination based on race, color, religion, national origin, sex, age, familial status or handicap. The newspaper will not knowingly accept advertising for real estate that violates the fair housing law. Our readers are hereby informed that all dwellings advertised in this newspaper are available on an equal opportunity basis. For more information about Virginia's Fair Housing Law or to file a fair housing complaint, call the Virginia Fair Housing Office at (804) 367-8530 or toll free, (888) 551-3247. For the hearing impaired, call (804) 527-4290.

**Boats For Sale**  
**CALL TODAY**  
2006 Sea Doo GTI w/double alum. trailer. Only 105 hours, very good condition. Garage kept. \$4990. Call 540-576-1246 or 571-334-5228. 4tpcc  
Smith Mountain Lake

**CALL TODAY**  
**I BUY DIABETIC Test Strips!** One-Touch, Freestyle, AccuChek, More! Must not be expired or opened. Call Chris Today: 800-506-4964. 2/11, 4tp  
Appomattox

**Legal**

**NOTICE OF PUBLIC HEARING**

**MAJOR AMENDMENT TO REGION 2000 SERVICES AUTHORITY SOLID WASTE MANAGEMENT PLAN**  
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And  
[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)

## Administrative Support

The ALTAVISTA JOURNAL, a weekly newspaper located in Altavista, Virginia has an immediate opening for an administrative support person. Primary responsibilities include providing phone and customer service support at the front desk, managing subscriptions, classified and legal ads, and providing general office support. Computer skills are required in order to perform these duties. The Altavista Journal is part of Womack Publishing Company, a family owned, growing multi media company that publishes 15

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Full-Time & Part-Time







transport service in order to provide an accurate and timely tracking system.

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For all other positions, go to [centrahealth.com/careers](http://centrahealth.com/careers)

requirements. Starting salary for a Deputy Sheriff is \$32,319 annually. Applications available at the Sheriff's Office located at 87 Courthouse Lane in Rustburg, VA (or online). Application deadline Monday, April 20, 2015.

104 Main Street  
Altavista, VA 24517  
[www.mcdonalds.com/VA/0175](http://www.mcdonalds.com/VA/0175)



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## Legal

### NOTICE OF PUBLIC HEARING MAJOR AMENDMENT TO REGION 2000 SERVICES AUTHORITY SOLID WASTE MANAGEMENT PLAN

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss a major amendment to the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588. The Region 2000 Services Authority has been duly authorized by the regional members to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. The major amendment addresses the proposed additional capacity of the lateral expansion at the Permit 810 landfill located in Rustburg Virginia with said additional capacity located between two previously permitted landfill development phases and located within the original facility boundary. In addition, the major amendment addresses the withdrawal of the City (now town) of Bedford which became effective on July 1, 2013.

Written comment on the major amendment will be accepted by the Region 2000 Services Authority until 5:00 PM, May 4, 2015.

Written comments shall be addressed to the Region 2000 Services Authority, 316 Livestock Road, Rustburg VA 24588 or emailed to [SWMPcomments@region2000.org](mailto:SWMPcomments@region2000.org). All written comments should include the name and address of the author of the document.

A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:

Region 2000 Services Authority, 316 Livestock Road, Rustburg Virginia 24588  
And  
[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)  
4-1-21b



# Shortt

AUCTION & REALTY CO., INC.  
REAL ESTATE BROKERS/AUCTIONEERS



616-A Campbell Ave., Altavista, VA 24517  
Phone: (434) 369-6678 • Fax: (434) 369-6485

**NEW LISTING** A wonderful 2 bedroom 1 bath home that is in excellent condition. Many nice features that include a living room, 2 bedrooms, bath and updated kitchen. Spacious rooms with hardwood floors, replacement windows, 1 year old tin roof, and exterior paint, natural gas heat with central air. Eat-in Kitchen with pantry and laundry. Large outdoor shed and all appliances convey with house. Check this one out soon. \$71,700



**PRICE IMPROVEMENT** Like brand new, pack your personal things and move in. This home has been re-modeled, updated and upgraded. New roof, vinyl siding, windows. Kitchen is all new including refrigerator, stove, oven, microwave, dishwasher. Master bedroom/bath suite features new bathroom with ceramic tile floor, shower and walk-in closet. 2nd full bath offers a tub/shower combination, new vessel sink vanity and ceramic tile floors. Main level laundry/mud room with new washer and dryer. Convenient location and easy access to Rt. 28, only 20 minutes to Lynchburg airport. \$99,900

**ADORABLE BRICK CAPE COD ON ONE OF ALTAVISTA'S MOST DESIRABLE STREETS!** Large living room with fireplace, formal dining room, Master bedroom, full bath, sun room and deck on main level. Upstairs has another ceramic tile bath and 2 nice sized bedrooms. Beautiful hardwood floors! Full basement with a 3rd bath and lots of storage room, workshop area plus a garage. York heating and air is approximately 3 years old. \$149,900



**NEW LISTING** Two story home in a wonderful family neighborhood. Main level features living and dining rooms, eat-in kitchen, family room with working fireplace and beautiful built-in bookcases, half bath and laundry closet. Upper level offers a master bedroom and bath suite, 2 more bedrooms and half bath. Terrace level has a huge den with woodstove, half bath, workshop and a room perfect for hobbies. Large 2 car garage. \$228,700

### After Hours Contact:

Lance Thompson  
426-9908  
Aaron Shortt  
369-6666

Marie Mitchell  
907-0424  
Ann Shortt  
369-6666

[www.shorttrealtyestate.com](http://www.shorttrealtyestate.com)

## Agnes Dowdy and Associates

1003 Main Street, Altavista, VA 24517  
(434) 369-6880 or 369-4224



85 Woodlake Cir.  
Altavista  
\$197,900



2082 Shady Ln.  
Altavista  
\$164,900



115 E. Spencer Rd.  
Hurt  
\$159,900



117 E. Spencer Rd.  
Hurt  
\$99,950



440 Sheva Rd.  
Chatham  
\$60,000



182 Longview Dr.  
Madison Heights  
\$64,400

The market has picked up & we need listings!

Call us today!

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# CLASSIFIEDS

Only \$12.70 for 20 words or less (55 cents for each additional word)

## PETS

Californian and Netherlands rabbits for sale. Make perfect Easter gifts. Call 434-574-2133 after 5 p.m.

Appomattox

FREE to a loving home. 5-year old hound/lab mix, male, neutered, all shots, microchipped. Sweet disposition, loves children. Large dog and needs space to run. Call 901-573-9052. 3/25 2tpcc

Smith Mountain Lake

## HELP WANTED

**SERVICE TECHNICIAN** - Agricultural & Power Equipment. Apply in person. Taylor-Forbes

## FOR SALE

**FOR PARTS-** OMC 1981 Md. 170 HP. Inboard motors & OMC lower unit 434-547-6007. TFN

Appomattox

5 ft coat rabbit fencing with apron. Approx 3 acres coverage with 7' T Post & 7' Wood Post 434-547-6007.TFN

Appomattox

Civil War bullets & buttons for sale. Authentic. Own a real piece of history. In display boxes, any quantity. 434-664-7079. 4/8, 3 tp

Appomattox

For sale Civil War soldiers sewing kit \$200 firm. 434-983-2847. 4/1, 2 TP

Appomattox

**KERNAL PROCESS CORN SILAGE FOR SALE:**

## WANTED



**I BUY DIABETIC Test Strips!** One-Touch, Freestyle, AccuChek, More! Must not be expired or opened. Call Chris Today: 800-506-4964. 2/11, 4tp

Appomattox

## BOATS FOR SALE

2001 Hurricane Sundek 217 with 150 hp Mercury outboard. Only 201 hours. Great condition. Call 540-420-1275. 2tpcc 3/25.

Smith Mountain Lake



## HOMES FOR SALE

3 BR, 2 BA Cape. Near Appomattox Historic Site. Fully renovated; brick exterior, vinyl windows. Custom kitchen with upgraded cabinets, new appliances, incl DW, ceramic tile floor; 2 Custom ceramic tile BA. Insulated; new heat pump, auxiliary oil heat. New wiring, plumbing, quality workmanship throughout. Full, dry basement. New deck. \$137,000. 434-426-7012. 4/15, 3 tp

Appomattox

Appomattox 3 br 1 bth. Beautiful views. Call Maurice at 660-0531. 4/22, 4 tp

Appomattox

Investment property for sale-3 br 1 bth house & 2 br 2 bth trailer with out

## SERVICES

Having trouble training your dogs to hunt rabbits? I can help! Call 434-547-6007. TFN

Appomattox

Free estimates-will cut lawn 352-8218. 4/22, 4 tp

Appomattox

**HUFFMAN'S TREE, Chimney Cleaning, Landscaping & Lawn Service:** Topping, tree removal, hedge and boxwood trimming. Free estimates. Call 434-324-9603 or cell 434-221-8086. 6-11-rtnu

Chatham

**Outdoor furnaces wood by Central Boiler.** Heat your home and shop with domestic water. Clean, safe heat. Sierras Wood Furnaces, 434-822-

## LEGALS & PUBLIC NOTICES

**Trustee's Sale of**  
**3400 Dreaming Creek Road F/K/A Rt 2 Box 75x**  
**Concord, Virginia 24538**

In execution of a Deed of Trust dated July 18, 2000, recorded in the Clerk's Office, Circuit Court, Appomattox County, in Deed Book 264, at page number 420, the undersigned will offer for sale at public auction the property described in and conveyed by said Deed of Trust, being known and designated as: ALL THAT certain lot or parcel of land, together with the buildings and improvements thereon and the privileges and appurtenances thereunto belonging, situate, lying and being in Stonewall District, Appomattox County, Virginia, being 5.00 acres, with all improvements and appurtenances thereunto belonging, as shown on a plat of survey made by Elizabeth R. Rosser, Dickerson Surveying, LLC, dated March 29, 2011, which plat is recorded in the Clerk's Office of the Circuit Court of Appomattox County, Virginia in Plat Cabinet 1, Slide 174D said plat also having been recorded in the aforesaid Clerk's Office as part of Instrument Number 2011011741.

Sale shall take place on April 9, 2015, at 9:30 a.m. at the front entrance of the Circuit Court building, Appomattox County, Virginia. Sale shall be subject to

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**FOR RENT:** House in Gretna. \$500/month, no pets, no smoking. 434-656-2854. 3-25-6tp

Chatham

**FOR RENT:** Commercial bldg., 30x65 ft. and 25x40 ft. sections. Will rent as 1 section or separate. Seminole Center, Rt. 29, between Chatham and Gretna. 434-203-7000. 3-25-6tp

Chatham

**FOR RENT:** One Level Home located on 4<sup>th</sup> Street, 2 Bedrooms, gas furnace, washer/dryer connections and eat-in kitchen. \$400/month. Please contact Brownstone Properties, Inc. @ (434) 385-1025 for more details (1-14-tn)

Alavista

**FOR RENT:** Spacious 2 Bedroom apartment for rent located at 1500 Avondale Drive. 1,100 sqfeet, central heat/air & washer/dryer connections. \$575.00 per month. Please call Brownstone Properties, Inc. @ 434-385-1025 for more information. (3-25-tn)

Alavista

**FOR RENT:** Very Nice. 3 Bedroom 2 Bathroom, energy efficient home on 60 acres with 1000 ft of frontage on the Staunton River in Long Island. 4 wheelers trails, fishing & camping for \$495.00/month. Call 444-4449. (3-25/2x/bill)

Alavista

**SUBSCRIBE**

TODAY

352-8215

**LAND** community on the lake. Lovely 3 bedroom 2 bath home on lot with great view of lake. Over 1800SQ, fully furnished, enclosed porch, large storage building. All appliances including WD, DW & fridge. Call Greg M-F 8-5 276-252-4379 other times 540-576-5055 3tpcc 3/25

Alavista

**LAND** Smith Mountain Lake

**LAND FOR SALE**

**LAND LOTS**  
LOT 1 - 8.72 ACRES - \$30,900. LOT 2 - 18.54 ACRES - \$59,900. LOT 3 - 21.20 ACRES - \$59,900. LOT 4 - 17.13 ACRES - \$55,900. LOT 5 - 9.78 ACRES - \$33,900. LOT 6 - 1.35 ACRES - \$8700. LOT 7 - 2.00 ACRES - \$10,900. LOT 8 - 2.15 ACRES - \$10,900. LOT 9 - 2.15 ACRES - \$10,900. LOT 10 - 2.00 ACRES - \$11,900. LOT 11 - 2.00 ACRES - \$10,900. LOT 12 - 15.35 ACRES - \$39,900. BIRCH CREEK RD., ZIP 24566 (Keeling). KITTY ALDERSON RE 434-709-4212. kitty@aldersonweb.com 3-11-4tp

**Steves Heating and Air**  
Free Estimates. We offer sales and services. Installation of equipment as well. Licensed and Bonded. Formerly Hales Heating and Air Owner Steve Hale 434-250-2037. 3-25-2tp  
Chatham

help you look at your options and find the best plan for you. (tfn/bill)

**Daniel's Lawn Care.** Call for free estimates. 434-944-1742 (4-1-2tp, 2nc)

Alavista



**AUCTIONS**

**AUCTION AT AMOS STORAGE:** 10 AM 04/04/15 **GIVEAWAY\*** Consignment, estate and delinquent bins 29, 30, 721, 737 B. Hunt #3849. Held at 11271 Brookneal Hwy, Gladys. (04-01-1tc)

Alavista

**SUBSCRIBE**

TODAY

TO THE TIMES-

VIRGINIAN

\$29 IN

AREA

\$41 OUT OF

AREA

352-8215

**Do you have a story idea or a news tip**  
If so call 352-8215

1/3 / 498-9600

## Curbside Brush Collection

The Town of Appomattox will NOT be providing curbside brush collection during the week of April 6 - 10, 2015.

Curbside Brush Collection will resume on Friday, April 17, 2015.



## MAJOR AMENDMENT TO REGION 2000 SERVICES AUTHORITY SOLID WASTE MANAGEMENT PLAN

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588.

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A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:

Region 2000 Services Authority  
316 Livestock Road, Rustburg Virginia 24588  
and  
www.region2000servicesauthority.org

HAVE A STORY IDEA OR NEWS TIP

CALL 352-8215

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# CLASSIFIEDS

Only \$12.70 for 20 words or less (55 cents for each additional word)

## PETS

Californian and Netherlands rabbits for sale. Make perfect Easter gifts. Call 434-574-2133 after 5 p.m.

Appomattox

## HELP WANTED

**HELP WANTED:** Gutter and siding mechanics and helpers needed. Must pass background check. Call 434-444-1718. (4-1-2tb)

Altavista

## FOR SALE

Civil War bullets & buttons for sale. Authentic. Own a real piece of history. In display boxes, any quantity. 434-664-7079. 4/8, 3 tp

Appomattox

## FOR RENT

**FOR RENT:** Commercial bldg., 30x65 ft. and 25x40 ft. sections. Will rent as 1 section or separate. Seminole Center, Rt. 29, between Chatham and Gretna. 434-203-7000. 3-25-6tp

Chatham

## HOMES FOR SALE

**SALE**

**PENHOOK - COTTAGE EDGE** community on the lake. Lovely 3 bedroom 2 bath home on lot with great view of lake. Over 1800SQ, fully furnished, enclosed porch, large storage building. All appliances including WD, DW & fridge. Call Greg M-F 8-5 276-252-4379 other times 540-576-5055 3tpcc 3/25

Smith Mountain Lake

## LAND FOR SALE

40 acres in Pitts. Co. Reforested in pines, water, deeded right of way. Parcel ID: 2535756603. Priced: \$79,900. Call 434-941-1755. 3-25-3tp

Chatham

## SERVICES

**DANIELS LAWN CARE** Call for free estimates. 434-944-1742. (4-1-2tp/2tnc)

Altavista

## TDK PRESSURE WASHING SERVICE

We use hot water for the very best quality job in cleaning houses, decks, drive-ways, sidewalks and heavy equipment. Water-on-board. Call 434-426-2445 for free estimates. Licensed & insured. We accept VISA, MasterCard and Discover.. (4-8-2tp)

Altavista

## LEGALS & PUBLIC NOTICES

COUNTY OF APPOMATTOX  
Department of Community Development  
P. O. Box 787  
Appomattox, VA 24522  
434-352-8183

## PUBLIC NOTICE

The public is hereby notified that the Appomattox County Planning Commission will hold a public hearing and consider the following zoning petition c Wednesday, April 15, 2015 at 5:30 p.m. in the CVCC-Appomattox Cent. Board Room, 132 Carver Lane, Appomattox, Virginia.

CUP150115-Dallas Moore Enterprises LLE (Robert A. Moore) has applied for conditional use permit off of Stratford Road in the Concord area for the purpose of locating a transfer station. The property is further identified as Tax Identification Numbers 72 (A) C1, C2, & C3. The parcels have a total of approximately 2.73 acres. The property is currently zoned A-1, Agric Zoning District.

A copy of the application is on file in the County Administrator's office, Morton Lane, Appomattox, Virginia, for public inspection. All persons to speak on this application will be given the opportunity to do so at the meeting. Board Room entrance is in the rear of the building.



## NOTICE OF PUBLIC HEARING

### MAJOR AMENDMENT TO REGION 2000 SERVICES AUTHORITY

#### SOLID WASTE MANAGEMENT PLAN

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316 Livestock Road, Rustburg Virginia 24588  
and  
[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)

#### Fair Housing Notice

The Times-Virginian is pledged to the letter and spirit of Virginia's and HUD's equal opportunity housing policies. Virginia's fair housing law makes it illegal to advertise any preference, limitation or discrimination based on race, color, religion, national origin, sex, age, familial status or handicap. The newspaper will not knowingly accept advertising for real estate that violates the fair housing law. Our readers are hereby informed that all dwellings advertised in this newspaper are

#### SUBSCRIBE

TODAY  
TO THE  
TIMES-  
VIRGINIAN

\$29 IN

AREA

## HELP WANTED

**SERVICE TECHNICIAN** - Agricultural & Power Equipment. Apply in person. Taylor-Forbes Equipment, 1102 East Third Street, Farmville. 4/29, 5 tp

Appomattox

Carpenters needed. Must have tools and transportation. Call between 5 pm-8pm. 434-993-6007. 4/8, 2 tp

Appomattox

Food Service Manager-Full Time. Will hire, train, and supervise cooks and other food service personnel. Will assist with preparation and oversee total food service operation. Must have food service experience and management ability. Varying work hours. Complete application (available on website) and mail to Holiday Lake 4-H Center, 1267 4-H Camp Road, Appomattox, VA 24522. 434-248-5444 Open until position is filled. EOAAE. Additional information at [www.holidaylake4h.com](http://www.holidaylake4h.com). 4/15, 2 tc

Appomattox

**Program Administration Specialist III** Full-time Grant-funded #R0012 Director, Career Pathways and Placement Full-time #00029 Administrative & Office Specialist III - Bookkeeper Part-time #W0100

Please visit the employment page of our web site at <http://www.dcc.vccs.edu/Employment/employment.htm> for details. Danville Community College is committed to becoming a model higher education institution for diversity and inclusion and invites multicultural professionals from all backgrounds to contribute to its aspiration for building an inclusive

## AUTO'S FOR SALE

**1998 DODGE RAM** 1500 SLT Laramie; ext. cab; rear seat; burgundy; 5.9 L gas; 2 door; 2 WD; auto trans.; ABS; AC, PW, PDL, CC, PS; tilt w. AM/FM CD, dual AB; towing pkg.; SB; elec. brake control. Asking \$3800 neg. 434-728-3249. 4-8-1tp

Chatham

## YARD SALES

Indoor/outdoor sale. Thurs., Fri, Sat. 9-2. Rain or shine. 260 Phelps Branch Rd off Police Tower Rd or Rte 26. Lots of stuff.

Appomattox

Multi family yard sale. Baby items, books etc. 243 Highland Ave. 8-12. Will be cancelled if rain.

Appomattox

**HUGE YARD SALE** this Saturday, April 11, at 987 Confederate Blvd., Appomattox.

Appomattox

**MOVING SALE-** Lots of furniture, household items, appliances, linens, Christmas, women sizes 8 & 10, cookbooks, tiller. Indoors; rain or shine. 3811 Old Evergreen Rd Appomattox 434-664-5755.

Appomattox

**YARD SALE:** April 11, 8 a.m.-2 p.m. South Main St., Gretna, near Crossroads. Something for everyone. 4-8-1tp

Chatham

**YARD SALE:** Penhook Recreational field, May 2, Space \$10 for 10x10. Call 540-576-2136. 4-8-1tp

Chatham

**VENDOR / CRAFTERS EVENT** Sat., April 11 from 9-2 at Hurt P.H. Church, 1212 Grit Rd., Hurt, VA 18 participants: Jewelry, Make Up, Handmade Soap, Variety of Crafters,

**KERNAL PROCESS CORN SILAGE FOR SALE:** Call 434-441-0274. 2-25-rtnu

Chatham

**WATSON WONDERS AND CRAFTS SALE:** Saturday, April 11, from 7:30 a.m. until 1 p.m. at Watson Memorial United Methodist Church, 136 North Main Street, Chatham. Many wondrous things to be found. 4-8-1tp

Chatham

**BRAND NEW MATTRESS SETS** in plastic with warranty. Full, \$119, Queen \$129, King \$189. Call 434-385-1333. 8-7-tfn/c

Altavista

## WANTED

Want to buy copy of book - Appomattox Virginia Heritage by S. Grose. [wjctexas@att.net](mailto:wjctexas@att.net) or 210-497-1496. 5/27, 10 tp

Appomattox

Looking for old barn siding. Will tear down & haul away. 434-574-2133. TFN

Appomattox

**WANTED:** Buying riding mowers, running or not, parts or equipment. Wheel Horse, Cub Cadet, older Sears, etc. Picking up, paying cash. 276-340-5871 or 276-957-2293. 4-8-2tp

Chatham

**CALL TODAY**  
**I BUY DIABETIC Test Strips!** One-Touch, Freestyle, AccuChek, More! Must not be expired or opened. Call Chris Today: 800-506-4964. 2/11, 4tp

Appomattox

## BOATS FOR SALE

2001 Hurricane SunDeck 217 with 150 hp Mercury Outboard. Only 201 hours. Great condition. See

**FOR RENT:** Spacious 2 Bedroom apartment for rent located at 1500 Avondale Drive. 1,100 sq feet, central heat/air & washer/dryer connections. \$575.00 per month. Please call Brownstone Properties, Inc @ 434-385-1025 for more information. (3-25-tfn)

Altavista

**FOR RENT:** 3 BR House with heat pump in Motley, \$625 monthly, application, references, deposit and documentation required. 434-324-9376. (4-8-2tp)

Altavista

## HOMES FOR SALE

3 BR, 2 BA Cape. Near Appomattox Historic Site. Fully renovated; brick exterior, vinyl windows. Custom kitchen with upgraded cabinets, new appliances, incl DW, ceramic tile floor; 2 Custom ceramic tile BA. Insulated; new heat pump, auxiliary oil heat. New wiring, plumbing, quality workmanship throughout. Full, dry basement. New deck. \$137,000. 434-426-7012. 4/15, 3 tp

Appomattox

Appomattox 3 br 1 bth. Beautiful views. Call Maurice at 660-0531 4/22 4 tp

SUBSCRIBE TODAY



## DESIGN / CREATIVE

**The News & Advance has an opening for a Part-Time Graphic Artist**

This position is responsible for creating and producing ad materials to be published in The News & Advance and its affiliated publications.

**Job responsibilities include:**

- Creating and submitting completed ads by deadline
- Working as liaison with sales representatives in making corrections or changes
- Working in a deadline-driven environment with multiple projects occurring at once
- Investigating and resolving any production errors

Must be an expert in design including proficiency with InDesign, Photoshop and Adobe Illustrator running Windows and PC's. Organizational skills are a must. The days worked are Monday & Tuesday 8:00am-5:00pm and Thursday 8:00am-5:00pm

Submit all resumes to kshutt@newsadvance.com. EOE

## GENERAL

**Electrician, Industrial**

Small crane company seeks individual with knowledge is mechanical repairs, motors, controls and general troubleshooting. Must have good driving record; pass background & drug screenings; able to work at heights and lift at least 60 lbs. Weekday travel required. Competitive wages and benefits available.

E-mail resume to jeff@vacranetworks.com

**Leading Southern WV Mechanical Contractor now hiring for all positions:**

**Plumbers  
Sheet Metal Workers  
General Laborers**

Company offers steady year round work with pay rates at prevailing wage standards. Potential to earn \$ 50.00 per hour or \$100,000.00 gross 1st year. Competitive benefit Package including paid vacation, paid holidays and 401K. Must have valid driver's license And transportation. Experience in commercial HVAC & Plumbing work plus & be willing To travel. Please E-mail resumes to [ericm@pwhwv.com](mailto:ericm@pwhwv.com) or call 304-252-1539. Background Check & pre-employment drug screen required.

Live on site apartment manager needed in Shipman, VA. Duties include all aspects of apartment office management and coordination of tenant activities. Full time benefits including apartment w/all utilities paid. Please send resume to [sandymartin161@gmail.com](mailto:sandymartin161@gmail.com) or mail to 105 Ryan Circle Shipman VA 22971. EOE

## INSTALLATION, MAINTENANCE &amp; REPAIR

**PT MAINTENANCE POSITIONS AVAILABLE**

Must be able to perform plumbing, painting, minor electrical, cleaning and overall general maintenance. Background and drug test required. Positions available in Appomattox, Livingston and Shipman.

Mail resume or letter of interest to: 570 New Mount Lane, Arrington, VA 22922, or email to [sandymartin161@gmail.com](mailto:sandymartin161@gmail.com)

## SALES

**SALES REP / PROJECT MANAGER** - Land and home sales company based in Virginia seeking engaging, self-motivated, ambitious person. Position would include managing construction on starter homes in Franklin County and land sales in Franklin County and surrounding areas. This is a challenging position with the potential for excellent rewards. Base salary with generous bonus structure. Send resume and cover letter to HR Director, Countryside, 28 Imperial Drive, Staunton, VA 24401.

## TRANSPORTATION

**\$3000 SIGN-ON BONUS Class A-CDL Drivers** in Harrisonburg/Timberville, Hauling milk, live chickens, and/or protein. Tank Endorsement, Good MVR, 2 years experience required. Local positions, Home Daily, Company Benefits. Call Todd 540-820-7882 or 804-784-6166

**BEE LINE TOWING**

Full-time position available for Tow Truck Operator. Must be available to work 24/7 schedule and must live in Lynchburg. Will pay top dollar for an experienced operator. Apply in person at 155 Airpark Drive, Lynchburg. No phone calls.

**Counts & Dobyns, Inc.** is now accepting applications for Dump Truck Drivers with current Class A or Class B licenses. You must have at least one year experience.

Apply in person at 37 Leland Road in Rustburg, VA 24588. Applications will be collected with a



## legals

## LEGAL NOTICES

**BEDFORD COUNTY  
PUBLIC HEARING NOTICE**

**PROPOSED BUDGET FY 2015-2016**

A public hearing will be conducted by the Board of Supervisors at the Bedford Science and Technology Center, 600 Edmund Street, Bedford, VA on Monday, April 13, 2015 at 7:00 p.m. to receive comments on the FY 2015-2016 proposed budget. The following is a synopsis of the Proposed FY 2015-2016 Budget:

**GENERAL FUND**

<b>Revenues</b>	
General Property Taxes	\$59,505,858
Other Local Taxes	10,957,044
Permits, Fees & Licenses	541,800
Fines & Forfeitures	100,000
Use of Money & Property	320,161
Charges for Services	1,862,204
Miscellaneous Revenue	286,641
Recovered Costs	432,000
Revenue from the Commonwealth	14,659,233
Revenue from the Federal Government	2,718,034
<b>Total General Fund Revenues</b>	<b>\$91,382,975</b>

<b>Expenditures</b>	
General Government Administration	\$3,846,509
Judicial Administration	2,046,313
Public Safety	16,711,773
Public Works	4,495,739
Health, Welfare & Education	10,693,718
Parks, Recreation & Cultural	2,916,461
Community Development	3,360,840
Debt Service	1,647,144
Contingency Fund	510,000
Fund Transfer to CIP	3,430,602
Fund Transfer to Bedford County Schools	38,041,103
Fund Transfer to Vehicle Replacement Fund	512,500
Placeholder	784,241
Reserve for Solid Waste Expansion	500,000
Reserve for Future Needs - Schools	1,530,000
2% Raise effective 9.1.15	227,400
Health Insurance	126,000
<b>Total General Fund Expenditures</b>	<b>\$91,382,975</b>

**LAW LIBRARY FUND**

<b>Revenues</b>	
Use of Money & Property	\$60
Law Library Fees	12,000
<b>Total Law Library Fund Revenues</b>	<b>\$12,060</b>

<b>Expenditures</b>	
Operations	\$10,260
Reserve for Future	1,800
<b>Total Law Library Fund Expenditures</b>	<b>\$12,060</b>

**VEHICLE REPLACEMENT FUND**

<b>Revenues</b>	
Transfer from General Fund	\$512,500
<b>Total Vehicle Replacement Fund Revenues</b>	<b>\$512,500</b>

<b>Expenditures</b>	
<b>Total Vehicle Replacement Fund Expenditures</b>	<b>\$512,500</b>

**GENERAL CAPITAL IMPROVEMENT FUND**

<b>Revenues</b>	
Transfer from General Fund	\$3,340,602
<b>Total General Capital Improvement Fund Revenues</b>	<b>\$3,340,602</b>

<b>Expenditures</b>	
<b>Total General Capital Improvement Fund Expenditures</b>	<b>\$3,340,602</b>

**NURSING HOME FUND**

<b>Revenues</b>	
Beginning Cash Balance	\$52,302
Use of Money & Property	11,160
Charges for Services	5,484,142
Miscellaneous Revenue	4,000
<b>Total Nursing Home Fund Revenues</b>	<b>\$5,551,604</b>

<b>Expenditures</b>	
Operations	\$5,498,104
Capital Improvements	53,500
<b>Total Nursing Home Fund Expenditures</b>	<b>\$5,551,604</b>

**SOLID WASTE FUND**

<b>Revenues</b>	
Fines	\$250
Use of Money & Property	25,000
Tipping Fees	2,348,500
Sale of Recyclables	275,500
Revenue from the Commonwealth	15,000
<b>Total Solid Waste Fund Revenues</b>	<b>\$2,664,250</b>

<b>Expenditures</b>	
Operations	\$2,491,171
Capital Improvements	169,079
<b>Total Solid Waste Fund Expenditures</b>	<b>\$2,664,250</b>



**NOTICE OF PUBLIC HEARING  
MAJOR AMENDMENT TO  
REGION 2000 SERVICES AUTHORITY  
SOLID WASTE MANAGEMENT PLAN**

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss a major amendment to the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588. The Region 2000 Services Authority has been duly authorized by the regional members to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. The major amendment addresses the proposed additional capacity of the lateral expansion at the Permit 610 landfill located in Rustburg Virginia with said additional capacity located between two previously permitted landfill development phases and located within the original facility boundary. In addition, the major amendment addresses the withdrawal of the City (now town) of Bedford which became effective on July 1, 2013.

Written comment on the major amendment will be accepted by the Region 2000 Services Authority until 5:00 PM, May 4, 2015. Written comments shall be addressed to the Region 2000 Services Authority, 316 Livestock Road, Rustburg VA 24588 or emailed to [SWMPcomments@region2000.org](mailto:SWMPcomments@region2000.org). All written comments should include the name and address of the author of the document.

A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:  
Region 2000 Services Authority, 316 Livestock Road, Rustburg Virginia 24588  
and  
[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)

## LEGAL NOTICES

**BEDFORD COUNTY  
PUBLIC HEARING NOTICE**

A public hearing will be conducted by the Board of Supervisors at the Bedford Science and Technology Center, located at 600 Edmund Street, Bedford, VA on Monday, April 13, 2015, to receive comments on a proposed ordinance entitled:

**TAX RATE ORDINANCE - TAX YEAR 2015**

The purpose and intent of this ordinance is to establish tax rates for Tax Year 2015 to support and fund the proposed budget for Fiscal Year 2015-2016. There is set on this date several public hearings. The first public hearing will commence at 7:00 p.m. on the above date. Upon the close of the



## legals

## LEGAL NOTICES

## TRUSTEE SALES

**NOTICE OF SUBSTITUTE TRUSTEE SALE  
3146 Laurel Road, Shipman, VA 22971**

By virtue of the power and authority contained in a Deed of Trust dated January 18, 2007, and recorded in Deed Book 070000232, Page 0 in the Clerk's Office for the Circuit Court for Nelson County, VA, securing a loan which was originally \$287,200.00. The appointed SUBSTITUTE TRUSTEE, Commonwealth Trustees, LLC will offer for sale at public auction at the courthouse steps located at 84 Courthouse Square, Livingston, Virginia 22949 on:

**April 21, 2015 at 9:00 AM**

improved real property, with an abbreviated legal description of ALL THAT certain lot or parcel of land, with improvements thereon and appurtenances thereto, situated in Nelson County, Virginia, on the West side of State Route 639, shown as Lot 1 as shown on a plat by Old Dominion Map Co., Land Surveying, dated June 21, 2000, and recorded in the Clerk's Office of the Circuit Court of Nelson County, Virginia, in Plat Cabinet 3, Slide 539, and as more fully described in the aforesaid Deed of Trust.

**TERMS OF SALE:** The property will be sold "AS IS," WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND AND SUBJECT TO conditions, restrictions, reservations, easements, rights of way, and all other matters of record taking priority over the Deed of Trust to be announced at the time of sale. A deposit of \$20,000.00, or 10% of the sale price, whichever is lower, in cash or cashier's check payable to the SUBSTITUTE TRUSTEE will be required at the time of sale. The balance of the purchase price, with interest at the rate contained in the Deed of Trust Note from the date of sale to the date said funds are received in the office of the SUBSTITUTE TRUSTEE, will be due within fifteen (15) days of sale. In the event of default by the successful bidder, the entire deposit shall be forfeited and applied to the costs and expenses of sale and Substitute Trustee's fee. All other public charges or assessments, including water/sewer charges, whether incurred prior to or after the sale, and all other costs incident to settlement to be paid by the purchaser. In the event taxes, any other public charges have been advanced, a credit will be due to the seller, to be adjusted from the date of sale at the time of settlement. Purchaser agrees to pay the seller's attorneys at settlement, a fee of \$445.00 for review of the settlement documents.

Additional terms will be announced at the time of sale and the successful bidder will be required to execute and deliver to the Substitute Trustees a memorandum or contract of the sale at the conclusion of bidding.

**FOR INFORMATION CONTACT:**  
Rosenberg & Associates, LLC  
(Attorney for the Secured Party)  
7910 Woodmont Avenue, Suite 750  
Bethesda, Maryland 20814  
301-907-8000  
[www.rosenberg-assoc.com](http://www.rosenberg-assoc.com)



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Carrier Services at  
434-385-5442

**Lynchburg Area**  
Danielle Halliday 434-485-1789  
[dhalliday@newsadvance.com](mailto:dhalliday@newsadvance.com)  
**Appomattox/Rustburg/Gretna**  
Tammy Leach 434-942-5294  
[tleach@newsadvance.com](mailto:tleach@newsadvance.com)

**Bedford/Forest**  
Shelby Eubanks 434-426-0371  
[seubanks@newsadvance.com](mailto:seubanks@newsadvance.com)

**DENNIS THE MENACE**



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<div><div>BEDFORD COUNTY</div><div>PUBLIC HEARING NOTICE</div><div>PROPOSED BUDGET FY 2015-2016</div><div>A public hearing will be conducted by the Board of Supervisors at the Bedford Science and Technology Center, 600 Edmund Street, Bedford, VA on Monday, April 13, 2015 at 7:00 p.m. to receive comments on the FY 2015-2016 proposed budget. The following is a synopsis of the Proposed FY 2015-2016 Budget:</div><div><table><tr><td colspan="2">GENERAL FUND</td></tr><tr><td>Revenues</td><td></td></tr><tr><td>General Property Taxes</td><td>\$59,505,858</td></tr><tr><td>Other Local Taxes</td><td>10,957,044</td></tr><tr><td>Permits, Fees &amp; Licenses</td><td>541,800</td></tr><tr><td>Fines &amp; Forfeitures</td><td>100,000</td></tr><tr><td>Use of Money &amp; Property</td><td>320,161</td></tr><tr><td>Charges for Services</td><td>1,862,204</td></tr><tr><td>Miscellaneous Revenue</td><td>286,641</td></tr><tr><td>Recovered Costs</td><td>432,000</td></tr><tr><td>Revenue from the Commonwealth</td><td>14,659,233</td></tr><tr><td>Revenue from the Federal Government</td><td>2,718,034</td></tr><tr><td>Total General Fund Revenues</td><td>\$91,382,975</td></tr><tr><td>Expenditures</td><td></td></tr><tr><td>General Government Administration</td><td>\$3,846,509</td></tr><tr><td>Judicial Administration</td><td>2,046,313</td></tr><tr><td>Public Safety</td><td>16,711,773</td></tr><tr><td>Public Works</td><td>4,495,739</td></tr><tr><td>Health, Welfare &amp; 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TRUSTEE SALES

NOTICE OF TRUSTEE'S SALE

1886 Rainbow Forest Drive,  
Lynchburg, Virginia 24502

In execution of that certain deed of trust in the original principal amount of \$167,960.00 dated February 26, 2008 and recorded among the land records of Campbell County, as Instrument Number 080001379 and subsequent modifications or re-recordings, if any, as amended by an instrument appointing the undersigned as Substituted Trustee, default having been made in the payment of the indebtedness thereby secured and having been requested to do so by the holder of the note evidencing the said indebtedness, the undersigned Substituted Trustee will offer for sale at public auction in front of the Campbell County Circuit Court, 732 Village Highway, Rustburg, Virginia, on:

April 27, 2015 @ 11:30 AM

The property described in said deed of trust located at the above street address, and more particularly described as:

All that lot or parcel of ground situate, lying and being in Campbell County, Commonwealth of Virginia, and being more particularly described as follows:  
That certain lot or parcel of land, together with the buildings and improvements thereon, and the privileges and appurtenances thereunto belonging, situate, lying and being in Brookville Magisterial District, Campbell County, Virginia, designated as Lot No. 3, in Block 2, as shown on "Plat of Section "A", Poplar Hills", made by Adrian Overstreet, S.C.S., May 17, 1961, attached to a Deed of Dedication made by Poplar Hills Development Corporation, a Virginia Corporation, and of record in the Campbell County Clerk's Office in Plat Book 16, page 123.

TERMS OF SALE: Cash or certified funds. A non-refundable deposit of ten percent (10%) of the successful bid price, payable in cash or by certified or cashier's check to the undersigned will be required of the successful bidder at time of sale. Terms of sale to be complied with within 14 days from date of sale or deposit will be forfeit and property will be resold at costs of defaulting purchaser. All real estate taxes to be adjusted as of date of sale. Seller shall not be responsible for any costs incurred by the purchaser in connection with their purchase or settlement, including, without limitation, state and local recording fees, title insurance or research, or any other costs of purchaser's acquisition. The property and the improvements thereon will be sold as is, without representations or warranties of any kind. The sale is subject to all other liens, encumbrances, conditions, easements and restrictions, if any, superior to the aforesaid deed of trust and lawfully affecting the property. Trustee shall have no duty to obtain possession for purchaser. All risks of casualty pass to successful bidder at conclusion of bidding. Sale is subject to post-sale confirmation that the borrower did not file for protection under the U.S. Bankruptcy Code prior to the sale, as well as to post-sale confirmation and audit of the status of the loan with the loan servicer including, but not limited to, determination of whether the borrower(s) entered into any repayment agreement, reinstated or paid off the loan prior to the sale. In any such event, the sale shall be null and void, and the Purchaser's sole remedy, in law or equity, shall be the return of the Purchaser's deposit without interest. Additional terms to be announced at the sale.

FOR INFORMATION CONTACT:

Wittstadt Title & Escrow Company, LLC  
22375 Broderick Drive  
Suite 260  
Dulles, VA 20166  
703-330-3265 or toll free 866-503-4930 M-F  
Between 8:30AM - 5 P.M.  
<http://foreclosure.closingsource.net>  
(VA-96003918-13)

TRUSTEE SALES

NOTICE OF SUBSTITUTE TRUSTEE SALE

5534 Richmond Highway,  
Gladstone, VA 24553

By virtue of the power and authority contained in a Deed of Trust dated April 6, 2012, and recorded at Instrument Number 120001124 in the Clerk's Office for the Circuit Court for Nelson County, VA, securing a loan which was originally \$131,451.00. The appointed SUBSTITUTE TRUSTEE, Commonwealth Trustees, LLC will offer for sale at public auction at the courthouse steps located at 84 Courthouse Square, Lovingson, Virginia 22949 on:

May 5, 2015 at 9:30 AM

improved real property, with an abbreviated legal description of The land referred to herein below is situated in the County of Nelson, State of Virginia, and is described as follows: All that certain lot or parcel of land containing 3.6 acres, more or less, together with all buildings, fixtures and improvements thereon and rights, privileges and appurtenances thereunto belonging, lying in the Lovingson District of Nelson County, Virginia, fronting on U.S. Highway 60, being more particularly shown and described as Parcel 2 of 3.60 acres on a plat of a survey dated February 12, 1990, made by William S. Callahan, C.L.S., a copy of which plat is recorded in the Clerk's Office of the Circuit Court of Nelson County, Virginia, in Deed Book 285, Page 317. Being the residue of the property conveyed by Deed dated May 1, 1973, from Burruss Land and Lumber Company, Incorporated, Incorporated to Ralph E. Funk, et ux, recorded in said Clerk's Office in Deed Book 131, page 10, subsequently conveyed to Ralph E. Funk, Homme Sole by deed dated February 28, 1990, from Peggy Ann Dixon Varela, recorded in said Clerk's Office in Deed Book 285, page 309, and by Deed dated March 19, 1990, from Ralph E. Funk and Ellie G. Honaker Funk, being the same person as Ellie Bea Gowen Funk, to Ralph E. Funk recorded in said Clerk's Office in Deed Book 285, Page 313, after deducting 50.03 acres, more or less, conveyed to William S. McLaughlin, et ux, by deed dated March 21, 1990, recorded in said Clerk's Office in Deed Book 285, page 315, and 1.00 acre, more or less, conveyed to Herbert Tyree, et ux, by deed dated March 21, 1990, recorded in said Clerk's Office in Deed Book 285, page 316. Parcel ID: 96-5-6 Commonly known as 5534 Richmond HWY, Gladstone, VA 24553. However, by showing this address no additional coverage is provided, and as more fully described in the aforesaid Deed of Trust.

TERMS OF SALE: The property will be sold "AS IS," WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND AND SUBJECT TO conditions, restrictions, reservations, easements, rights of way, and all other matters of record taking priority over the Deed of Trust to be announced at the time of sale. A deposit of \$20,000.00, or 10% of the sale price, whichever is lower, in cash or cashier's check payable to the SUBSTITUTE TRUSTEE will be required at the time of sale. The balance of the purchase price, with interest at the rate contained in the Deed of Trust Note from the date of sale to the date said funds are received in the office of the SUBSTITUTE TRUSTEE, will be due within fifteen (15) days of sale. In the event of default by the successful bidder, the entire deposit shall be forfeited and applied to the costs and expenses of sale and Substitute Trustee's fee. All other public charges or assessments, including water/sewer charges, whether incurred prior to or after the sale, and all other costs incident to settlement to be paid by the purchaser. In the event taxes, any other public charges have been advanced, a credit will be due to the seller, to be adjusted from the date of sale at the time of settlement. Purchaser agrees to pay the seller's attorneys at settlement, a fee of \$445.00 for review of the settlement documents. Additional terms will be announced at the time of sale and the successful bidder will be required to execute and deliver to the Substitute Trustees a memorandum or contract of the sale at the conclusion of bidding.

FOR INFORMATION CONTACT:

Rosenberg & Associates, LLC  
(Attorney for the Secured Party)  
7910 Woodmont Avenue, Suite 750  
Bethesda, Maryland 20814  
301-907-8000  
[www.rosenberg-assoc.com](http://www.rosenberg-assoc.com)

TRUSTEE'S SALE

312 Belvedere Street,  
Lynchburg, VA 24503

Parcel ID 01914006

Pursuant to the terms of a deed of trust dated September 13, 2006, in the original principal amount of \$86,500.00, recorded in the Clerk's Office of the Circuit Court of the City of Lynchburg, Virginia, as Instrument No. 060009061, the property briefly described below will be offered for sale at public auction:

Lot 5, Block F, Warwick Addition, as shown on a plat of survey recorded in the aforesaid Clerk's Office in Deed Book 1073, Page 95, and as more particularly described in the referenced deed of trust.

The sale will take place on APRIL 28, 2015, AT 5:30 P.M., at the front entrance to the building housing the Circuit Court of the City of Lynchburg, located at 900 Court Street, Lynchburg, VA.

The property and the improvements thereon will be sold "AS IS" and without representation or warranties of any kind. The sale is subject to all liens, encumbrances, conditions, easements and restrictions, if any, superior to the mentioned deed of trust and lawfully affecting the property.

Terms: A deposit in the form of CERTIFIED FUNDS in the amount of \$8,000.00 or 10% of the successful bid, whichever is lower, is required of any bidder at the time of sale. Closing within fifteen (15) days of sale. Time is of the essence. Additional terms will be announced at sale. Purchaser to pay all closing costs. Sale subject to lender confirmation. Pursuant to the Federal Fair Debt Collection Practices Act, we advise you that this firm is a debt collector attempting to collect the indebtedness referred to herein, and any information we obtain will be used for that purpose.

Evans & Bryant, PLC, Substitute Trustee

FOR INFORMATION CONTACT:

Jennifer, Assistant to Julian A. Bryant, Jr., at Evans & Bryant, PLC, Substitute Trustee, 2101 Parks Avenue, Suite 301, Virginia Beach, VA 23451. 1 757 437 9500 (1530946).

TRUSTEE'S SALE

709 Mansfield Avenue,  
Lynchburg, VA 24501

Parcel ID 01209005

Pursuant to the terms of a deed of trust dated August 17, 2006, in the original principal amount of \$82,935.00, recorded in the Clerk's Office of the Circuit Court of the City of Lynchburg, Virginia, as Instrument No. 060008065, the property briefly described below will be offered for sale at public auction:

Lot 22, Block 4, Central Park Addition, as shown on a plat recorded in the Clerk's Office of the Circuit Court of Campbell County, Virginia, in Deed Book 56, Page 73, and as more particularly described in the referenced deed of trust.

The sale will take place on APRIL 28, 2015, AT 5:30 P.M., at the front entrance to the building housing the Circuit Court of the City of Lynchburg, located at 900 Court Street, Lynchburg VA.

The property and the improvements thereon will be sold "AS IS" and without representation or warranties of any kind. The sale is subject to all liens, encumbrances, conditions, easements and restrictions, if any, superior to the mentioned deed of trust and lawfully affecting the property.

Terms: A deposit in the form of CERTIFIED FUNDS in the amount of \$7,000.00 or 10% of the successful bid, whichever is lower, is required of any bidder at the time of sale. Closing within fifteen (15) days of sale. Time is of the essence. Additional terms will be announced at sale. Purchaser to pay all closing costs. Sale subject to lender confirmation. Pursuant to the Federal Fair Debt Collection Practices Act, we advise you that this firm is a debt collector attempting to collect the indebtedness referred to herein, and any information we obtain will be used for that purpose.

Evans & Bryant, PLC, Substitute Trustee

FOR INFORMATION CONTACT:

Jennifer, Assistant to Julian A. Bryant, Jr., at Evans & Bryant, PLC, Substitute Trustee, 2101 Parks Avenue, Suite 301, Virginia Beach, VA 23451. 1 757 437 9500 (1530947).

Notice of Proposed Adoption of a Resolution Amending the Fiscal Year 2015 Budget and Appropriating Supplemental Funds or Rescinding Appropriations for the City of Lynchburg for the Twelve Month Period Beginning July 1, 2014 and ending June 30, 2015.

Notice is hereby given in accordance with Section 15.2-2507 of the Code of Virginia that the Lynchburg City Council will hold a public hearing on April 14, 2015, at 7:30 p.m. in the City Council Chambers, 900 Church Street, for the purpose of amending the Fiscal Year 2015 Budget and appropriating supplemental funds and rescinding appropriations for both the Capital and Operating Budgets for the twelve month period beginning July 1, 2014 and ending June 30, 2015.

For additional information, contact Donna Witt, Director of Financial Services, at 455-3968.

Place an Ad  
in the Classifieds  
TODAY!

Call An Ad Representative Today For Rates And Service

The News & Advance

385-5500

REGION 2000  
SERVICES  
AUTHORITY

NOTICE OF PUBLIC HEARING  
MAJOR AMENDMENT TO  
REGION 2000 SERVICES AUTHORITY  
SOLID WASTE MANAGEMENT PLAN

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss a major amendment to the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588. The Region 2000 Services Authority has been duly authorized by the regional members to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. The major amendment addresses the proposed additional capacity of the lateral expansion at the Permit 610 landfill located in Rustburg Virginia with said additional capacity located between two previously permitted landfill development phases and located within the original facility boundary. In addition, the major amendment addresses the withdrawal of the City (now town) of Bedford which became effective on July 1, 2013.

Written comment on the major amendment will be accepted by the Region 2000 Services Authority until 5:00 PM, May 4, 2015. Written comments shall be addressed to the Region 2000 Services Authority, 316 Livestock Road, Rustburg VA 24588 or emailed to [SWMPComments@region2000.org](mailto:SWMPComments@region2000.org). All written comments should include the name and address of the author of the document. A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:  
Region 2000 Services Authority, 316 Livestock Road, Rustburg Virginia 24588

DENNIS THE MENACE

Handwritten signature: Dennis



# Classified Advertising

DEADLINE: FRIDAY AT 5 P.M. - PRIOR TO WEDNESDAY'S PUBLICATION

## Academic News

The following local residents have received their degree from Western Governors University (WGU).

The university held its 28th semi-annual commencement ceremony in Orlando on Feb. 7 and celebrated the graduation of more than 6,700 graduates. The university awarded 4,071 undergraduate and 2,657 graduate degrees in business, information technology, K-12 teacher education, and healthcare professions, including nursing. Graduates reside in all 50 states, the District of Columbia, as well as Armed Forces personnel stationed overseas.

\* Brent Peterson of Appomattox has received his Bachelor of Science, Accounting

\* Dana Cary of Charlotte Court House (23923) has received her Master of Science, Nursing - Education

## Farmers can receive help at VSU

Virginia State University's Small Farm Outreach Program (SFOP) predicts it can save at least 300

### AUCTION

**AUCTION AT AMOS STORAGE:** 10 AM 04/04/15 **GIVEAWAY\*** Consignment, estate and delinquent bins 29, 30, 721, 737 B.Hurt #3849. Held at 11271 Brookneal Hwy, Gladys. (04-01-1tcc)

Altavista

### HELP WANTED

**EXPERIENCED DUMP TRUCK DRIVER** needed with clean driving record, CDL license required. 434-441-0518. 3-11-4tp

Chatham

**HIGH SCHOOL CAREER COACH CAREER AND TECHNICAL EDUCATION** # R 0 0 1 0 Please visit the employment page of our web site at <http://www.dcc.vccs.edu/Employment/employment.htm> for details. Danville Community College is committed to becoming a model higher education institution

### FOR SALE

**GLASS TOP TABLE & 4 CHAIRS** - \$150, Sauder lateral file - \$50, Amish medium oak buffet hutch & matching corner hutch - \$500 ea, light oak corner hutch - \$250, high back adjustable office chair - \$100, black chair with end table & ottoman - \$50. 297-7336 4/1 tpcc

Smith Mountain Lake

### PETS

**KILLS FLEAS ON CONTACT-** on dogs and cats with DD-33 flea mist. Lasts longer. Pleasant odor. Contains NO Fipronil! Dodd's Farm Supply 376-5901. [www.happyjack-inc.com](http://www.happyjack-inc.com). 4/1, 2tp

Brookneal

**FREE** to a loving home. 5-year old hound/lab mix, male, neutered, all shots, microchipped. Sweet disposition, loves children. Large dog and needs space to run. Call 901-573-9052. 3/25 2tpcc

### LIVESTOCK

**POLLED HEIFER** bulls and heifers. Phone 434-334-1376. 4-1-2tp

Chatham

### REAL ESTATE

**3 BR, 2 BA CAPE. NEAR APPOMATTOX** Historic Site. Fully renovated; brick exterior, vinyl windows. Custom kitchen with upgraded cabinets, new appliances, incl DW, ceramic tile floor; 2 Custom ceramic tile BA. Insulated; new heat pump, auxiliary oil heat. New wiring, plumbing, quality workmanship throughout. Full, dry basement. New deck. \$137,000 434-426-7012. 4/1, 3 tp

Appomattox

**14 X 80 SINGLE WIDE MOBILE HOME.** Three bedroom 2 ba., vinyl siding with shingle groove. 1.2 acres on Jefferson Dock Rd., Penhook. 300 - 400 ft away from Public

### LAND FOR SALE

**LAND LOTS**  
LOT 1 - 8.72 ACRES - \$30,900;  
LOT 2 - 18.54 ACRES - \$59,900;  
LOT 3 - 21.20 ACRES - \$59,900;  
LOT 4 - 17.13 ACRES - \$55,900;  
LOT 5 - 9.78 ACRES - \$33,900;  
LOT 6 - 1.35 ACRES - \$8700;  
LOT 7 - 2.00 ACRES - \$10,900(pc);  
LOT 8 - 2.15 ACRES - \$10,900;  
LOT 9 - 2.15 ACRES - \$10,900(pc);  
LOT 10 - 2.00 ACRES - \$11,900(sold);  
LOT 11 - 2.00 ACRES - \$10,900(pc);  
LOT 12 - 15.35 ACRES - \$39,900. BIRCH CREEK RD., ZIP 24566 (Keeling). KITTY ALDERSON RE 434-709-4212. [kitty@alderson-web.com](mailto:kitty@alderson-web.com) 3-11-4tp

Chatham

**40 ACRES IN PITTS. CO.** Re-forested in pines, water, deeded right of way. Parcel ID: 2535756603. Priced: \$79,900. Call 434-941-1755. 3-25-2tp

Chatham

### FOR RENT

**FOR RENT:** One Level Home located on 4th Street, 2 Bedrooms, gas furnace, washer/dryer connections and eat-in kitchen. \$400/month. Please contact Brownstone Properties, Inc @ (434) 385-1025 for more details (1-14-tfn)

Altavista

**FOR RENT:** Spacious 2 Bedroom apartment for rent located at 1500 Avondale Drive. 1,100 sq feet, central heat/air & washer/dryer connections. \$575.00 per month. Please call Brownstone Properties, Inc @ 434-385-1025 for more information. (3-25-tfn)

Altavista

**FOR RENT:** Very Nice 3 Bedroom 2 Bathroom, energy efficient home on 60 acres with 1000 ft of frontage on the Staunton River in Long Island. 4 wheeler trails, fishing & camping for \$495.00/month. Call 444-4449. (3-25/2 x bill)

Altavista

### BOATS

**2001 HURRICANE SUNDECK** 217 with 150 hp Mercury outboard. Only 201 hours. Great condition. Call 540-420-1275. 2tpcc 3/25.

Smith Mountain Lake

**2006 Sea Doo GTI** w/double alum. trailer. Only 105 hours, very good condition. Garage kept. \$4990. Call 540-576-1246 or 571-334-5228. 4tpcc

Smith Mountain Lake

### SERVICES

**HUFFMAN'S TREE,** Chimney Cleaning, Landscaping & Lawn Service: Topping, tree removal, hedge and boxwood trimming. Free estimates. Call 434-324-9603 or cell 434-221-8086. 6-11-rtnu

Chatham

### SERVICES

**OUTDOOR WOOD FURNACES** by Central Boiler. Heat your home and shop with domestic water. Clean, safe heat. Sierras Wood Furnaces, 434-822-7335, 434-834-8398. 1-30-rtnu

Chatham

**NICHOLS MOWING AND GENERAL HOME REPAIRS.** Free estimates, senior discounts. Lowest prices guaranteed. 434-483-7013. 3-25-4tp

Chatham

**QUESTIONS ABOUT MEDICARE??** Getting your Medicare Insurance in 2015, Call me, Julia C Roberts 434-525-6714, with 28 years experience I'll help you look at your options and find the best plan for you. (tfn/bill)

Altavista

**DANIEL'S LAWN Care.** Call for free estimates, 434-944-1742 (4-1-2tp, 2nc)

Altavista





training on issues all farmers definitely need to be aware of. It is especially foundational for new farmers, he adds. Lectures combined with on-site farm demonstration sessions cover business plan development, record keeping, business risks, production and financial management, budgeting and estate planning. As a bonus, farmers will learn successful presentation techniques for interacting directly with lenders.

During the first year of the grant, farmers in a designated 20-county region are able to enroll free. Those in outlying areas must pay a nominal \$50 enrollment fee. After the first year, everyone will be charged a standard \$50 enrollment fee.

Classes with a 20-registrant limit are currently being formed. To register or for more information on the program, go to the College of Agriculture's home page at [www.agriculture.vsu.edu](http://www.agriculture.vsu.edu), click on calendar of events on the left, and access Agribusiness Production and Financial Management Program. Interested persons can also contact Wooden at [mwooden@vsu.edu](mailto:mwooden@vsu.edu) or by calling him at (804) 892-4559.

## HURT

Cont. from page 4

the next fiscal year based on the amount of discretionary spending we have allocated in our budget resolution. As we send fiscally responsible spending measures to the President, I hope he will join us in the effort to get our fiscal house in order so that we can grow our economy and build a stronger America for our children and grandchildren.

If you need any additional information or if we may be of assistance to you, please visit my website at [hurt.house.gov](http://hurt.house.gov) or call my Washington office: (202) 225-4711, Charlottesville office: (434) 973-9631, Danville office: (434) 791-2596, or Farmville office: (434) 395-0120.

Call 434-444-1718. (4-1-2tb)  
Altavista

## FOR SALE

**FOR SALE- 3X** Men's denim jacket, country CDs, beautiful glass and assorted picture frames, 2X and 3X men's and women's clothes. Call 434-616-2093. 4/1,1tp  
Brookneal

**KERNAL PROCESS CORN SILAGE FOR SALE:** Call 434-441-0274. 2-25-rtnu  
Chatham  
**HAY FOR SALE:** 4x5 round bales, \$25/roll. 540-576-2033. 4-1-1tp  
Chatham

**FOR SALE:** Irrigation pump, 1-horse power, brand new in box, several hundred feet discharge pipe. \$125. 434-432-8665 or 434-334-7132. 4-1-1tp  
Chatham

**FOR SALE:** Twin bed w/mattress set \$50; table w/4 chairs \$60; full-size bed w/mattress set \$60; walker w/rollers \$10; hospital bed-works \$20; prone cane \$5; wheelchair good cond. \$75. 434-944-9690. 4-1-1tp  
Chatham

**BRAND NEW MATTRESS SETS** in plastic with warranty. Full, \$119, Queen \$129, King \$189. Call 434-385-1333. 8-7- tfn/c  
Altavista

7665. (12-31-tfn/c)  
Altavista

**WANT TO BUY COPY OF BOOK** - Appomattox Virginia Heritage by S. Grose. [wjctexas@att.net](mailto:wjctexas@att.net) or 210-497-1496. 3/25, 10 tp  
Appomattox

**LOOKING FOR OLD BARN SIDING.** Will tear down & haul away. 434-574-2133. TFN  
Appomattox

**CALL TODAY**  
**I BUY DIABETIC Test Strips!** One-Touch, Freestyle, AccuChek, More! Must not be expired or opened. Call Chris Today: 800-506-4964. 2/11, 4tp  
Appomattox

fridge. Call Greg M-F 8-5 276-252-4379 other times 540-576-5055 3tpcc 3/25  
Smith Mountain Lake

25x40 ft. sections. Will rent as 1 section or separate. Seminole Center, Rt. 29, between Chatham and Gretna. 434-203-7000. 3-25-6tp  
Chatham



**AUTUMN CARE OF ALTAVISTA**

## RN OR LPN

Autumn Care of Altavista has a FT opening for the 3-11:30 shift. Every other week-end off. Competitive salary and benefits. Please apply at 1317 Lola Ave, Altavista (434)369-6651 or send resume to [don116@autumncorp.com](mailto:don116@autumncorp.com) EOE and Drugfree Workplace

## FOR SALE BY OWNER THE UNION STAR BUILDING



Reception/lobby area, two offices, storage, heating and cooling system. Building has recent updates. Over 2,700 sq. ft. with frontage on Main Street. Price: \$56,500.

Call Ron Cox. 434-432-1654 ext. 31

## Notice of Final Public Hearing for a Special Use Permit in the Town of Brookneal

Application has been made by Michael Monroe for a zoning special use permit for a vineyard operation within town. Parcels subject to special use permit: 1) lot 102-A-80 Parcel A, 103 Booker Road 14.736 acres, 2) lot 103-A-33, Lynchburg Avenue 157.95 acres. Parcels currently zoned M-2, Manufacturing and Industrial, and R-1 Single Family Residential. Further information available at 215 Main Street, Brookneal VA 24528.

Any person wishing to express either support or opposition may speak at the public hearing Tuesday, April 14, 2015 at 7:00 P.M. at the Town Hall. Proposed special use permit will be considered for adoption at the April 14, 2015 Brookneal Town Council meeting following the Public Hearing.

letter and spirit of Virginia's and HUD's equal housing policies. Virginia's fair housing law makes it illegal to advertise any preference, limitation or discrimination based on race, color, religion, national origin, sex, age, familial status or handicap. The newspaper will not knowingly accept advertising for real estate that violates the fair housing law. Our readers are hereby informed that all dwellings advertised in this newspaper are available on an equal opportunity basis. For more information about Virginia's Fair Housing Law or to file a fair housing complaint, call the Virginia Fair Housing Office at (804) 367-8530 or, toll free, (888) 551-3247. For the hearing impaired, call (804) 527-4290.



### NOTICE OF PUBLIC HEARING

MAJOR AMENDMENT TO

REGION 2000 SERVICES AUTHORITY

SOLID WASTE MANAGEMENT PLAN

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss a major amendment to the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588. The Region 2000 Services Authority has been duly authorized by the regional members to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. The major amendment addresses the proposed additional capacity of the lateral expansion at the Permit 610 landfill located in Rustburg Virginia with said additional capacity located between two previously permitted landfill development phases and located within the original facility boundary. In addition, the major amendment addresses the withdrawal of the City (now town) of Bedford which became effective on July 1, 2013.

Written comment on the major amendment will be accepted by the Region 2000 Services Authority until 5:00 PM, May 4, 2015. Written comments shall be addressed to the Region 2000 Services Authority, 316 Livestock Road, Rustburg VA 24588 or emailed to [SWMPComments@region2000.org](mailto:SWMPComments@region2000.org). All written comments should include the name and address of the author of the document.

A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:

Region 2000 Services Authority, 316 Livestock Road, Rustburg Virginia 24588

and

[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)



# Classified Advertising

DEADLINE: FRIDAY AT 5 P.M. - PRIOR TO WEDNESDAY'S PUBLICATION

## HELP WANTED

**PROGRAM ADMINISTRATION SPECIALIST III** Full-time Grant-funded # R 0 0 1 2 Director, Career Pathways and Placement Full-time # 0 0 0 2 9 Administrative & Office Specialist III - Bookkeeper Part-time # W 0 1 0 0 Please visit the employment page of our web site at <http://www.dcc.vccs.edu/Employment/employment.htm> for details. Danville Community College is committed to becoming a model higher education institution for diversity and inclusion and invites multicultural professionals from all backgrounds to contribute to its aspiration for building an inclusive community where everyone is given equal opportunity to reach their full potential. Employment will be contingent upon the results of a background check. 4-8-1tu

## FOR SALE

**WATSON WONDERS AND CRAFTS SALE:** Saturday, April 11, from 7:30 a.m. until 1 p.m. at Watson Memorial United Methodist Church, 136 North Main Street, Chatham. Many wondrous things to be found. 4-8-1tp Chatham

## PETS

**CALIFORNIAN AND NETHERLANDS RABBITS** for sale. Make perfect Easter gifts. Call 434-574-2133 after 5 p.m. Appomattox

## WANTED

**LOOKING FOR SOMEONE TO GET UP LEAVES-** and mow grass. Must have riding lawn mower. Call 434-376-3512. 4/8,1tp Brookneal

**WANTED:** Buying riding mowers, running or not, parts or equipment. Wheel

## WANTED

**WANT TO BUY COPY OF BOOK** - Appomattox Virginia Heritage by S. Grose. wjctexas@att.net or 210-497-1496. 3/25, 10 tp Appomattox

**LOOKING FOR OLD BARN SIDING.** Will tear down & haul away. 434-574-2133. TFN Appomattox

## YARD SALE

**YARD SALE:** April 11, 8 a.m.-2 p.m. South Main St., Gretna, near Crossroads. Something for everyone. 4-8-1tp Chatham

**YARD SALE:** Penhook Recreational field, May 2, Space \$10 for 10x10. Call 540-576-2136. 4-8-1tp Chatham

**VENDOR/CRAFTERS EVENT** Sat., April 11 from 9-2 at Hurt P.H. Church, 1212 Grit Rd., Hurt, VA 18 participants: Jewelry, Make Up, Handmade Soap, Variety of Crafts, Food, Kitchen

## REAL ESTATE

**5 B D / 3 . 5 B A 5000SF HOME** overlooking Blue Ridge, Main floor living, R45 walls, LG wkshp, 12+ac wooded lot, Handicapped Accessible \$399999 703-779-2076. 4/29, 4 tp Appomattox

## LAND FOR SALE

**40 ACRES IN PITTS. CO.** Reforested in pines, water, deeded right of way. Parcel ID: 2535756603. Priced: \$79,900. Call 434-941-1755. 3-25-3tp Chatham

**VACATION LOTS FOR SALE:** Penhook Point at Rocky Mt. Owner financing, \$10,000 and up. Lots at Blairs available \$6000 and up. Modular homes OK. 941-380-3032 or 434-927-5090. 4-8-2tu Chatham

**WANTED TO LEASE:** Grassland for hay crop

## FOR RENT

**FOR RENT:** One Level Home located on 4th Street, 2 Bedrooms, gas furnace, washer/dryer connections and eat-in kitchen. \$400/month. Please contact Brownstone Properties, Inc @ (434) 385-1025 for more details (1-14-tfn) Altavista

**FOR RENT:** Spacious 2 Bedroom apartment for rent located at 1500 Avondale Drive. 1,100 sq feet, central heat/air & washer/dryer connections. \$575.00 per month. Please call Brownstone Properties, Inc @ 434-385-1025 for more information. (3-25-tfn) Altavista

**FOR RENT:** 3 BR House with heat pump in Motley, \$625 monthly, application, references, deposit and documentation required. 434-324-9376. (4-8-2tp) Altavista

## BOATS

## AUTO

**1998 DODGE RAM** 1500 SLT Laramie; ext. cab; rear seat; burgundy; 5.9 L gas; 2 door; 2 WD; auto trans.; ABS; AC, PW, PDL, CC, PS; tilt w. AM/FM CD, dual AB; towing pkg.; SB; elec. brake control. Asking \$3800 neg. 434-728-3249. 4-8-1tp Chatham

## SERVICES

**HUFFMAN'S TREE,** Chimney Cleaning, Landscaping & Lawn Service: Topping, tree removal, hedge and boxwood trimming. Free estimates. Call 434-324-9603 or cell 434-221-8086. 6-11-rtnu Chatham

**OUTDOOR WOOD FURNACES BY CENTRAL BOILER.** Heat your home and shop with domestic water. Clean, safe heat. Sierras Wood Furnaces, 434-822-7335, 434-334-8398. 1-30-rtnu Chatham

## Fair

## SERVICES

**NICHOLS MOWING AND GENERAL HOME REPAIRS.** Free estimates, senior discounts. Lowest prices guaranteed. 434-483-7013.3-25-4tp Chatham

**QUESTIONS ABOUT MEDICARE??** Getting your Medicare Insurance in 2015, Call me, Julia C Roberts 434-525-6714, with 28 years experience I'll help you look at your options and find the best plan for you. (tfn/bill) Altavista

**DANIELS LAWN CARE** Call for free estimates. 434-944-1742. (4-1-2tp/2tnc) Altavista

**TDK PRESSURE WASHING SERVICE** We use hot water for the very best quality job in cleaning houses, decks, drive-ways, sidewalks and heavy equipment. Water-on-board. Call 434-426-

## Notice of Public Hearing

The Charlotte County Board of Supervisors will hold a public hearing Tuesday April 14, 2015 at 1:45 p.m. in the meeting room of the County Administration Building, Charlotte Court House, Virginia to receive public comment regarding a proposed new Ordinance concerning Taxes Due and Payable and Penalty and Interest on Delinquencies. The proposed ordinance can be viewed on our website at [www.charlottewa.com](http://www.charlottewa.com) or in the office of the County Administrator located at 250 LeGrande Avenue Suite A, Charlotte Court House, VA 23923 or 434-542-5117.

## Notice of Final Public Hearing for a Special Use Permit in the Town of Brookneal

Application has been made by Michael Monroe for a zoning special use permit for a vineyard operation within town. Parcels subject to special use permit: 1) lot 102-A-80 Parcel A, 103 Booker Road 14.736 acres, 2) lot 103-A-33, Lynchburg Avenue 157.95 acres. Parcels currently zoned M-2, Manufacturing and Industrial, and R-1 Single Family Residential. Further information available at 215 Main Street, Brookneal VA 24528.

Any person wishing to express either



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national origin, sex, age, familial status or handicap.

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### NOTICE OF PUBLIC HEARING

MAJOR AMENDMENT TO

REGION 2000 SERVICES AUTHORITY

SOLID WASTE MANAGEMENT PLAN

Pursuant to the requirements of 9VAC20-130-130.B and 9VAC20-130-175.B of the Virginia Solid Waste Management Planning Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss a major amendment to the Region 2000 Services Authority Solid Waste Management Plan on April 22, 2015, beginning at 5:30 P.M. at Yellow Branch Elementary School Gymnasium, 377 Dennis Riddle Drive, Rustburg, VA 24588. The Region 2000 Services Authority has been duly authorized by the regional members to oversee solid waste planning for the region which consists of Appomattox, Campbell and Nelson Counties and their incorporated towns and the City of Lynchburg. The major amendment addresses the proposed additional capacity of the lateral expansion at the Permit 610 landfill located in Rustburg Virginia with said additional capacity located between two previously permitted landfill development phases and located within the original facility boundary. In addition, the major amendment addresses the withdrawal of the City (now town) of Bedford which became effective on July 1, 2013.

Written comment on the major amendment will be accepted by the Region 2000 Services Authority until 5:00 PM, May 4, 2015. Written comments shall be addressed to the Region 2000 Services Authority, 316 Livestock Road, Rustburg VA 24588 or emailed to [SWMPcomments@region2000.org](mailto:SWMPcomments@region2000.org). All written comments should include the name and address of the author of the document.

A copy of the major amendment to the Solid Waste Management Plan can be viewed at the following locations:

Region 2000 Services Authority, 316 Livestock Road, Rustburg Virginia 24588

and

[www.region2000servicesauthority.org](http://www.region2000servicesauthority.org)

### NOTICE OF PROPOSED REAL PROPERTY TAX INCREASE

The County of Charlotte proposes to increase real property tax levy effective in Fiscal Year 2016.

The County of Charlotte proposes to adopt a tax rate of \$ .53 per \$100 of assessed value. The difference between the current tax rate and the proposed rate would be \$ .05 per \$100.

A public hearing on the increase will be held in the Conference Room of the County Administration Building on April 20, 2015 immediately following the public hearing on the proposed FY-2016 Budget which begins at 7:00 p.m.

All hearings shall be open to the public. The governing body shall permit persons desiring to be heard an opportunity to present oral testimony within such reasonable time limits as shall be determined by the governing body.

Accommodations for persons with a disability will be made by this office, if notified a minimum of five (5) working days prior to the hearing date.

Telephone: 434-542-5117



# **Region 2000 Services Authority**

## **Region 2000 Services Authority Public Hearing Yellow Branch Elementary School**

**April 22, 2015**

**5:30 p.m.**

### **Minutes**

#### **Board Members Present**

Steve Carter ..... Nelson County  
Kim Payne.....City of Lynchburg  
Frank Rogers..... Campbell County  
John Spencer (for Aileen Ferguson) .....Appomattox County

#### **Others**

Robert Arthur ..... Region 2000  
Emmie Boley ..... Region 2000  
Gary Christie..... Region 2000  
Susan Cook ..... Region 2000  
Clarke Gibson ..... Region 2000  
Larry Hall..... Region 2000  
Brendon Hefty.....Hefty, Wiley, & Gore  
Lynn Klappich ..... Draper Aden  
Clif Tweedy ..... Campbell County  
Felicia West ..... Region 2000

#### **Campbell County Residents Present**

Chris Amos  
Brandon Ashby  
Jessica Ashby  
Eric & Sharon Barringer  
Jackie & Joel Barringer  
Don Barnett  
Bill Carwile  
Frank Davis  
Robert Day  
Chip Dennis  
Anne Thomas Doyle  
Watt Foster

Stan Goldsmith  
Todd Hall  
Jon Hardie  
Michelle & Tae Kim  
Debra Lovelace  
Berndt Luchs  
Paul Rosser  
Donald Saunders  
Nina Thomas  
Eric Zehr

## **1. Welcome and Approval of the October 22<sup>nd</sup> Meeting Minutes**

Chairman Kim Payne welcomed everyone and opened the public hearing at 5:50 p.m.

Kim explained that any major amendment to the Region's Solid Waste Management Plan requires a hearing in the locality most impacted by the amendment. This major amendment addresses the proposed additional capacity through a lateral expansion at the Permit 610 Landfill (the Livestock Road Landfill). The permitting for this lateral expansion is currently undergoing review by the Dept. of Environmental Quality. These major amendments also address the withdrawal of the City of Bedford, now the Town of Bedford.

## **2. Visual Views Showing Lateral Expansion**

Clarke Gibson, Service Authority Director, showed visual views and drawings of the lateral expansion and explained that this is an expansion within the existing footprint. The landfill is currently working in Phase 3, and will be joined with the currently permitted Phase 4, by permitting about 6 acres in between Phase 3 and Phase 4. This would be done without increasing the height of the landfill.

## **3. Public Comment**

Kim Payne opened the public comment period, and asked that limiting comments to three minutes would be appreciated. Mr. Payne offered to answer questions after everyone had a chance to comment during the public comment period.

**1) Don Barnett, 367 Barringer** – As a helicopter pilot for the hospital, one of Mr. Barnett's biggest concerns is increased wildlife such as birds that present a hazard to aviation in the area. He advised that currently the landfill is violating the safe distance for an airfield. Currently the cells are within four miles of runway 4. According to FAA guidance, if an owner proposing to locate or expand within five miles of the public control way of the affected airport, the regional FAA office must be notified. He has spoken with the director of the airfield, and the airfield director is opposed to the expansion. He has been trying to get an answer from the EPA and from the FFA. Mr. Barnett stated that everything he has seen shows that the expansion and the current operation both are in violation.

**2) Chip Dennis, Willow Lane** – Mr. Dennis stated that the lake is less than ½ mile downstream from the landfill, which is located at the headwaters that flow into Willow Lake. He added that about a month ago, early in the morning on March 15 a 250,000 gal. waste tank leaked several thousand gallons of toxic waste water from the pump station, with back-up safety features malfunctioning. Mr. Dennis asked for a full, complete, unbiased, and transparent investigation. Mr. Dennis also asked why the adjoining landowners were not notified of the spill in March. He also cited buzzards as a hazard of the landfill.



**3) Jon Hardie, 601 Calohan Rd.** – Mr. Hardie cited issues related to the landfill: the smell of waste, methane gas, dead animals, long term health implications, the threat of contaminated ground water, littered highways, nuisance of wildlife, destruction of scenic drive, declining property values, and stunting of economic growth. Mr. Hardie encouraged the Authority to consider a new management plan in 2022 that would hold all Regional partners accountable.

**4) Carter Elliott, 2112 Suburban Rd.** – Mr. Elliott commented that he feels it is wrong that there are no elected officials on Region 2000, which doesn't allow for direct political accountability. Because the landfill is located in Campbell County, Mr. Elliott also feels that Campbell County should have more than one representative for the landfill. Mr. Elliott noted that there is a problem with buzzards.

**5) Robert Day** – Mr. Day's first concern was that adjacent landowners were not notified of the proposed expansion. Some of the obvious issues are increased air and sound pollution, decrease in the quality of life, extension of time for the landfill operation, concern about the height, and lack of credibility of the Authority. Mr. Day asked what is to keep the Authority from raising the height of the landfill.

**6) Nina Thomas, Calohan Rd.** – Mrs. Thomas stated that she has lived on Calohan Road all of her life, and she and her husband have invested in their land to enhance their retirement. However, several years ago they began to notice the terrible odor and hear loud noises. This has affected the value of their property. Mrs. Thomas asked that the landfill be moved.

**7) Eric Barringer, 177 Holland Ct.** - Mr. Barringer stated that the odor from the landfill has been untenable from about February of 2014. He added that property values could decrease by as much as 50% for people living within ½ mile of the landfill. Mr. Barringer also gave destruction of the wetlands and leakage as concerns for residents. He urged the Authority to reconsider operating the landfill at another location in Campbell County, and to look for a more rural area in either Campbell County or another county participating in Region 2000.

**8) Watt Foster, Brookneal, VA** – Mr. Foster stated that he is opposed to the landfill expansion, and that each county needs to take care of their own trash. He added that the area cannot afford the economic devaluation being created by the landfill. Mr. Foster said that he was willing to pay more taxes to close this landfill.

**9) Eric Zehr, 81 New Covenant Ln.** – Mr. Zehr announced that he is not speaking as a Campbell County Board member, but as a concerned neighbor. He said that he lives about ½ mile from the landfill, and during the summer he is embarrassed to have someone come to his house due to the intolerable odor.

**10) Bill Carwile, 921 Calohan Rd.** – Mr. Carwile advised that the odors became noticeable in 2012. He said that they can live with what is going on now until 2020, but is not sure that those in the neighborhood can live with the devaluation of property

and the effect on their lives. He has been charting the odors since October 31 and 32% of the days he has smelled odors of some sort originating from the landfill.

**11) Todd Hall, Colonial Hwy.** – Mr. Hall stated that the area where the landfill is located north to the City of Lynchburg has been one of the few areas of consistent growth. He listed those impacted within a two to three mile radius: Yellow Branch Elementary School, Rustburg Elementary School, Poplar Ridge, Carriage Grove, Russell Springs, Happy Valley, Shannon Falls, Oak Hill, Sunnymeade, Lazy Creek, Goff Road, Hyland Springs, and Hyland Heights Church. By extending this area by four to five miles, Rustburg High School, Ward's Crossing, and Liberty University would also be impacted. Mr. Hall said that he is most concerned with the negative impact further expansion will have on the future economic growth along what is considered the primary corridor from the south, into our region. He questioned why Campbell County leadership is not fighting expansion on behalf of their constituents. He also questioned whether the revenue stream is driving leadership to support the expansion. Also, he asked who in the County is responsible for distributing information on this subject to the public, notifying of public meetings.

**12) Donald Saunders, 395 Lazy Creek Drive** – Mr. Saunders stated that he is opposed to the expansion and wants to see the landfill leave Campbell County as soon as possible. He worries about the quality of the water in the area he lives, property values, but mainly his wife's health.

**13) Berndt Lucks, 83 Holland Court** – Mr. Lucks stated that he is also opposed to the expansion for health, safety, quality of life, and property value reasons that have already been stated. He also has concern for the lack of safe practices used by the landfill. There has been no activity regarding the planting of vegetation on the back side of the hill. There were several promises made by the authorities of Region 2000 that there would be a protective barrier put on top of the landfill at the end of each day, but he has not seen this being done.

**14) Chris Amos** – Mr. Amos stated that he is appalled by the lack of transparency through Region 2000. He said that he has been told they would get emails when there were meetings, but no one has ever gotten any notice. He added that issues have been covered up, and midnight deals made. Mr. Amos also made the observation that he felt that Mr. Carter and Mr. Spencer do not care about Campbell County, as they are not representative of Campbell County. He also has never seen any efforts to initiate a recycling program.

#### **4. Questions and Answers**

- Is there anything that can be done to stop the expansion?  
Answer – The Authority can vote against it, or the DEQ can deny a permit.
- What is to keep Region 2000 from raising the height?  
Answer - The height is determined by the permit. Lynn Klappich also advised that the DEQ does not allow landfills to be steeper than 3:1. She also advised that County approval is required for the lateral expansion, and is called the Local Government Certification. This was approved by the County in February of 2014.

- When is Phase 3 due to close?  
Answer – Clarke Gibson answered that Phase 3 will not close until it reaches capacity in 2016 – 2017. There is intermediate cover on all of the slopes to the current operational height, or at least a 4” stand of grass on all slopes.
- What is the final height of Stage 3?  
Answer – Approximately 1,050 feet above sea level. We are currently at about 965 feet. When moving out of Stage 3 grass and vegetation will be placed and it will remain until the final contract to cap the landfill. Stage 4 will be the same height.
- Why were residents not told if there was a spill?  
Answer – Clarke Gibson explained that the spill was immediately contained and the DEQ was notified. Authority members were notified the next morning. He said that he would post all of the documentation in relation to this on the website.
- Why is a public hearing being held after approval has already been received from Campbell County for the expansion, and amendments to the Management Plan have already been approved?  
Answer – The amendments cannot be submitted to the DEQ until a public hearing has been held. The Authority is required to advertise the public hearings in the newspaper. They are also published on the website.
- Is it too late for Campbell County to retract approval of the expansion?  
The Authority does not know the rules of procedure in the County.
- Who in DEQ does the landfill report to?  
The DEQ office is on Timberlake Road, and they work under the supervision of the Blue Ridge office in Roanoke.
- What are the financial incentives for the various counties?  
Some communities do receive host fees or payments in lieu of taxes. This is an issue that is on the Services Authority agenda to discuss. Both Campbell County and the City of Lynchburg have been receiving a portion of the revenues from the landfill operations each year.
- Has the FAA been notified of the expansion?  
Lynn Klappich answered that the original permit was filed with the FAA and was approved in the 90’s. The expansion was reported to the FAA and the airport six months ago, and no response has been received.
- Who gets the excess revenue from 2022-2029?  
Lynchburg payments run out in 2021.
- Has lumber been removed from the Bennett property yet?  
In order to excavate soils, 25 to 28 acres of timber have been cleared.
- Timeline for approval with the DEQ?  
Lynn Klappich explained that there is a 3-part process:
  - 1) Approval by DEQ of the Solid Waste Management Plan
  - 2) Technical response #2 from DEQ with three comments; they should be able to turn that around and back to DEQ within a week or two. It will be reviewed and a draft permit issued, and will advertise a public comment period for technical comments on the design in the newspapers.
  - 3) Comments will be addressed or final permit issued. This process could take 60 days.
- The Solid Waste Management Plan will be voted on at the next meeting on May 13.

- The odor study was approved at the Services Authority today, April 22.
- Has this area outgrown this type of intensive landfill operation?  
The Authority has the obligation to talk about the long-term future of the landfill.
- Why didn't Appomattox and Nelson County take their trash to Amelia instead of Region 2000?  
For Nelson County it is a cost savings.  
For Appomattox pooling resources allowed a larger quantity and lower unit cost.

The public hearing adjourned at 7:30 p.m.



Jon Hardie

601 Calohan Rd.  
Rustburg, Va 24588  
434-941-6486  
jonhardie5@gmail.com

April 22, 2015

Region 2000 Services Authority Board Members,

It has come to my attention that in one of the most beautiful parts of Campbell County, between Route 29, Calohan Road, and Colonial Highway, there are plans to expand the landfill. Within the last year, my family has bought land and built a house on Calohan Road nearby. Our family is moved to Rustburg to be closer to family, enjoy the country, and become a stronger part of the community that we love and are active in.

Recently, I have learned of plans your organization has made to expand the landfill laterally. While you have met the minimum requirements by posting this information publicly in a newspaper, we have never received any information directly from your organization or Campbell County of a potential landfill project that, if approved, would greatly impact our property value and daily living conditions.

My concerns related to the expansion go beyond myself and my family, they go to my neighbors and community. This project will negatively impact surrounding families, the Rustburg community, and Campbell County for generations to come. This is a pivotal economic issue related to future residential and business growth of a densely populated area in Campbell County. If approved, for those additional 7 years (2022-2029), Campbell County Citizens, especially those that live nearby, will have to live with the following:

- Smells of waste, methane gas, dead animals, and human waste/sludge that have been documented to travel as far as a mile away
- Long term health implications and cleanup costs that continue to rise for future generations
- The increasing threat of contaminating groundwater supply/drinking water
- Littered highways on two of our major corridors, largely a result of being the regional waste pit
- The nuisance of wildlife/vermin issues that come with a landfill in the form of sea gulls, vultures, rats, mice, etc. that feed off of the contents in the landfill and visit nearby residences and businesses, all from the landfill
- The destruction of a scenic drive on Rt.24 where you can already see open trash daily as you drive from Rustburg, our county seat, towards the most populated area of our county



None of those items are good for local residents living in the area, but there are issues that concern all Campbell County citizens related to this matter:

- Declining property values in the area surrounding the landfill, which decreases Campbell County Revenue and increases the tax burden across county residents
- The stunting of economic growth in an area of our county that is ripe with potential for the expansion of businesses and the creation of new residences that strengthen our economic base
- Specific economic impacts to the central and southern sections of Campbell County
  - Unrealized loss of new businesses starting in the central and southern Campbell County and the economic impact of business choosing to do business elsewhere
  - Unrealized loss of new families building new residences in the central and southern Campbell County and the economic impact of those families never spending their dollars in our communities
  - Residents moving away from Campbell County to other communities
- Lack of control and regulation by our local government on a non-profit and issue that impacts Campbell County residents the more than other Regional Members

Region 2000 and the other member localities will always have reasons for a Regional Landfill to stay in Campbell County (ease, infrastructure, and cost), but you won't admit that the other localities don't want the Regional Landfill in their locality they only want to contribute tonnage.

The original agreement for the Regional Landfill at Livestock Road was to fill this area by 2022, by then you will have used 41 years of landfill space that Campbell County brought to the table. The original commitment is enough, honor that commitment and leave the Livestock Road site in 2022 allowing economic growth to flourish in an important part of our county. Those seven years, 2022-2029, are vital to the success of our local government and individual communities to remain a viable option for residents and businesses in the future. Region 2000 should not control Campbell County's future! We do not want our community to be known as "The Home of the Region 2000 Landfill". Challenge all Region 2000 members to solve the solid waste issue and host the landfill, not just Campbell County. People solve problems when ownership and accountability includes everyone involved, be accountable, all members should host. Under your current structure why would anyone in Lynchburg, Nelson, or Appomattox care about recycling or what goes into the landfill, out of sight, out of mind.

I urge the Region 2000 Services Authority Board Members to withdraw your expansion plans for the Livestock Road site and explore other options so that this potential high growth area of Campbell County can flourish and become an even stronger economic asset for all members of Region 2000 to enjoy.

Sincerely,



Jon Hardie



William A. Carwile  
921 Calohan Road  
Rustburg, Virginia 24588  
U.S.A.

Home Phone: (434) 821-3351 / Cell: 434-660-2368  
Email: bearwile123@yahoo.com

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May 2, 2015

Region 2000 Services Authority  
316 Livestock Road  
Rustburg, VA 24588

RE: Region 2000 Services Authority  
Special Use Permit Application  
and Lateral Expansion

Region 2000 Services Authority,

I have lived continuously on my property at 921 Calohan Road, Rustburg, Virginia 24588 or the adjacent property since 1968 and at 921 Calohan Road continuously since 1975. I purchased approximately 11.92 acres and my existing house from my father, Atwood S. Carwile, in November of 2002 just prior to the time when he moved into an independent living facility.

Recently Region 2000 Service Authority requested permitting for a "lateral expansion" of the current landfill. I am opposed to the landfill lateral expansion because of the offensive odors that originate from the landfill, the potential to contaminate my well water and the inevitable decline of property values and economic activity that will happen if this expansion is permitted.

Campbell County established an unlined landfill in my neighborhood in 1979 on 159 acres. The Northeast corner of my property shares a property corner with the Region 2000 Landfill and is approximately 200 yards from my house. The unlined Phase II of the Campbell County site permanently closed in 1995. Operations of Phase III, continued until 2007 when ownership of the Campbell County Landfill operation was transferred to Region 2000 Services Authority. The result, a much larger regional operation consisting of the City of Lynchburg, Campbell County, Amherst County, Appomattox County and Bedford City on property located in Campbell County in one of the most desirable mixed residential and farm communities in the area. Landfill operations at the Campbell County site were closed in July of 2008 to switch all trash of the Region 2000 members to the Lynchburg landfill on Concord Turnpike until that site was filled. The agreement included the operation of Phase IV following the filling of Phase III. The anticipated date for the landfill to be filled to capacity and closed at that time was projected at around 2021.

In July 2012, all Region 2000 landfill operations were moved from the now filled Concord Turnpike facility in Lynchburg, Virginia back to the Livestock Road Facility in Campbell County. Shortly after this time I began to notice strong and unusual odors on my property. I had never experienced any odors on my property before this time (almost 30 years) which could be attributed to the landfill operation. Eventually I realized that the odors were coming from the nearby landfill site.



Now in 2015, Region 2000 Service Authority has applied to DEQ for a permit for a "lateral expansion" of the current landfill. If granted by DEQ this expansion will add approximately 6 acres to the existing landfill and extend the life of the regional landfill from roughly 2021 to about 2031. The planned closure height of the operation is 1040 ft above sea level (high point on my property is approx. 980 ft. above sea level). The top of the completed landfill will extend to about half the height of the mature oak trees that are now on the rear of my property.

Not long after regional landfill operations began behind my property, and after I noticed the odors, I learned from Supervisor Hugh Pendleton, that this waste included approximately 80 tons per day of lime treated sewage sludge that had previously been going to the Concord Turnpike facility. About 70 tons per day of this material comes from the Lynchburg Solid Waste Facility on Concord Turnpike. The smell of sewage sludge is definitive and often includes a strong ammonia smell from the lime pretreatment. Now I knew what I was smelling.

This sewage sludge creates extremely strong and offensive smells that invade my property, my house and the entire Calohan Road corridor as well as parts of Greenhouse Road and Colonial Highway (Rte 24). The offensive odors are not continuous but typically coincide with periods of low wind, low cloud cover or wind blowing from the landfill property toward my property. The smell is so strong at times that it requires that my family and I refrain from outside activity and we always must keep all windows and doors in the house closed. This contamination of my house and property occurs despite the fact that my house is located over 200 yards from the landfill property line with a high density of mature hardwoods between my house and the landfill.

If the wind blows from the North or North East I smell the landfill odors. Since October 31, 2014, I have been keeping records of "odor events" including odor descriptions, weather conditions, and wind details. Between 10-31-14 and 4-22-15 (174 days), I experienced 57 days in which odors were present at some time during the day or night and 101 separate "odor events" as often the odors come and go throughout a given day resulting in multiple "events". The result is odors occurring on 32.7 % of all days in this period. Typically the odors smell like sewage and are often coupled with a strong ammonia smell which is consistent with the odor of lime treated sewage sludge.

More recently, I have experienced two other smells which are a garbage odor coupled with a strong sulfur or rotten egg smell or a fishy smell which I have learned are consistent with landfill gas.

I have shared my odor records on two occasions with Mr. Robert Arthur of Region 2000 Landfill and he has been to my property a number of times and noted the odors. I have also discussed this issue by telephone with Mr. Doug Foran with DEQ and he has spent some time in the neighborhood surveying odors. I voiced my concerns with the Region 2000 Landfill Authority at their recent Board of Directors meeting and at the Public Hearing to discuss the planned Region 2000 lateral expansion, both of which were held on April 22, 2015. Everyone with Region 2000 and with DEQ that I have talked to about this expresses concern and a desire to be a good neighbor. I continually get the response from authority personnel that "there is nothing we can do" to "we are working on the issue" and "there are some things we can do". But the



fact is that there is no plan for remediation just "study and delay". I fully expect that talk of remediation will stop if the lateral expansion is approved by DEQ.

In my discussions with Region 2000 and DEQ no one has offered any hope of stopping the sewage sludge odors as long as the sewage sludge continues to be placed in the landfill site. There are other options for sewage sludge disposal and these options are identified in the study of the Lynchburg WWTP operations performed by Brown and Caldwell Engineering done in 2010.

There currently is no LFG system collection in the active portion of the landfill as it is "not mandated". Landfill gas odors can be significantly reduced and likely eliminated by installing a LFG collection system in the active site to either burn off of the landfill gas or for collection and carbon filtration of the gas. Both options were discussed at the recent Region 2000 Board of Directors meeting but rather than begin remediation efforts the Board decided to spend about \$40,000. to engage SCS Engineering to begin an odor sampling and identification study. The sources of the odors are clear but neighbors of the landfill get the familiar response to "discuss, study and delay" while nearby property values drop and neighbors are no longer able to enjoy outdoor activities on their own property..

The Virginia Regulations for the Control and Abatement of Odor (9VAC 5-40-140) state "*Legal Requirements: Standard for odor. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any emissions which cause an odor objectionable to individuals of ordinary sensibility*". From the increasing number of complaints received at the landfill offices (51 from January to March of 2015) it is clear that the landfill emits odors which are objectionable to individuals of "ordinary sensibility". My own records of odors simply confirm the observations of others is the landfill area (in 32.7% of all days between 10-31-14 and 04-22-15 odors were documented).

There are 194 homes on Calohan Road from the landfill entrance to Jon Hardie 's new house on Calohan Road and on Greenhouse Road between its intersection with Calohan road and that point on Greenhouse Road to the site of the VDOT maintenance facility on Greenhouse Road. Yes, 194 homes in close proximity to a large regional landfill accepting about 80 tons per day of sewage sludge and with no LFG collection system. The scope of the landfill operation with this many homes in close proximity absurd and this number does not even consider the homes that are just as close to the landfill on the English Tavern Road side of the landfill.

The introduction of the sewage sludge into the Region 2000 Landfill and the landfill gas odors being discharged into the air from the landfill and restrict my ability to use and enjoy my home and my property and prevent me from being able to enjoy the pastoral beauty of the area which surrounds my property. For many years the Calohan Road and Greenhouse Road corridor has been one of the most desirable and prestigious mixed residential and farm communities in Campbell County. The current and proposed expanded landfill operations constitute an unacceptable invasion of my property rights as a citizen and property owner in Campbell County, Virginia. There are effective LFG odor control options available and there are other options for sewage sludge disposal.



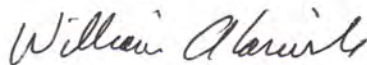
I urge you to withdraw all expansion permit requests and begin landfill gas collection in all active and closed areas of the landfill immediately and stop placing sewage sludge into the existing land fill.

I have a well on my property for all household water use since public water is unavailable on Calohan Road beyond the property limits of the nearby Poplar Ridge Development. I quite honestly am concerned about the future safety of my private well water due to the potential for contamination from the requested expansion of the Region 2000 Authority Landfill operations. I believe that it would be prudent and proper for Region 2000 Landfill Service Authority to pay for extending public water service to all residents of Calohan Road in Campbell County, Virginia to prevent any potential water issues due to contamination before it happens or to at least to provide annual comprehensive water testing for all Calohan Road properties that do not have public water. It's the right thing to do.

If this "lateral expansion" is permitted, allowing landfill operations to continue until the early 2030's, I have no doubt that Region 2000 landfill Authority will once again seek to rezone the former "Bennett Farm Property" (350 acres) which is adjacent to the current operation and which was purchased in the fall of 2014 by the Authority with the stated purpose of extending future landfill operations on this site for an additional 50-60 years.

I implore you to withdraw this expansion permit request and all future expansion permit requests for the Regional Landfill Authority operated on Livestock Road in Campbell County, Virginia and close this landfill when the currently permitted space is filled and then establish a landfill in a less populated area. If this does not happen the beginning of a dead zone of residential and economic activity will be inevitable within the corridor defined by Calohan Road, Rte. 24 (Stephen S. Thompson Memorial Highway), Depot Road and English Tavern Road.

Yours truly,

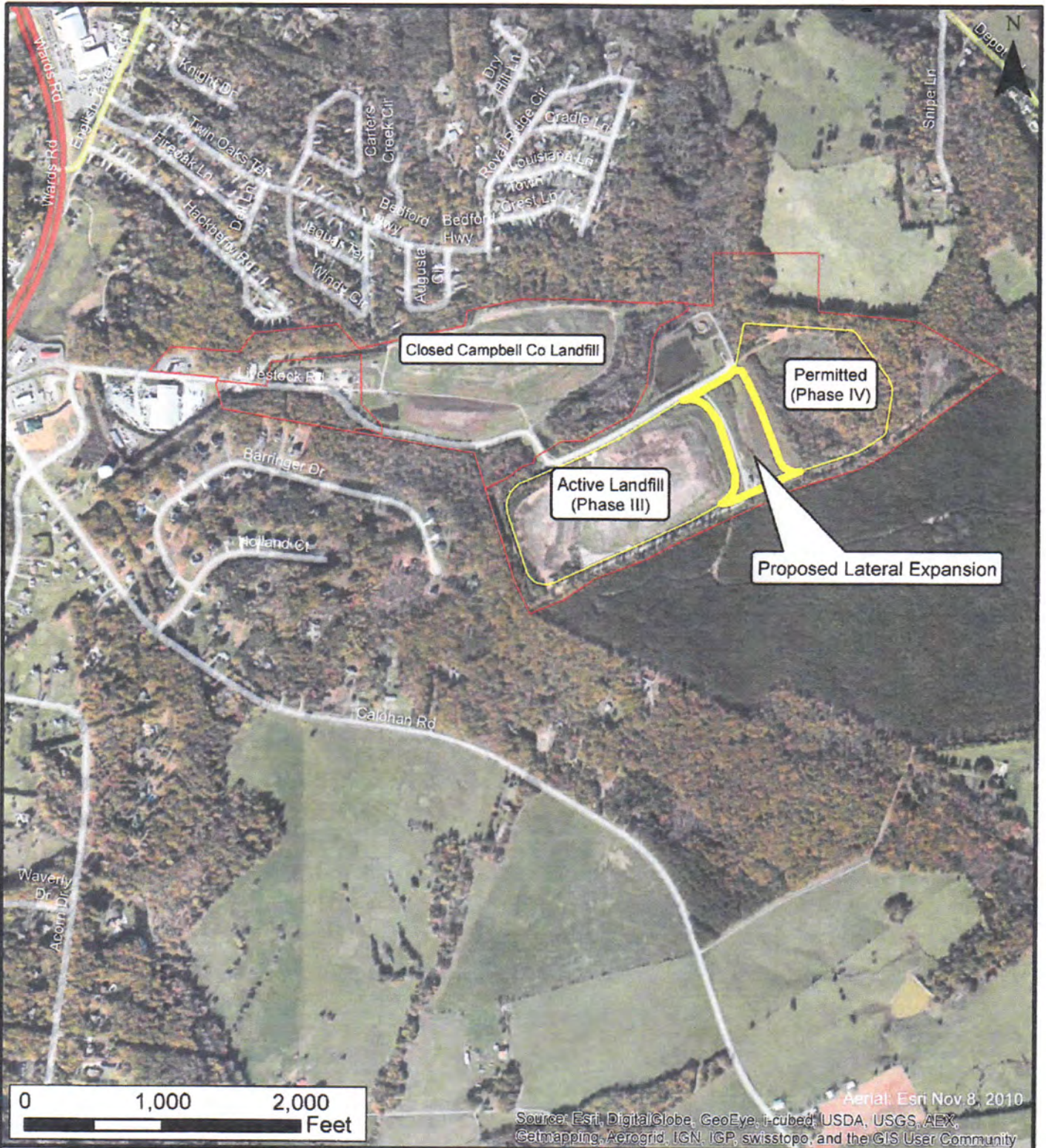


William A. Carwile

Enclosure- 1

cc: Dr. James A. Borland, Mr. Steven M. Shockley, Mr. Stanley I. Goldsmith, Mr. James Puckett, Mr. Eddie Gunter, Jr., Mr. Michael P. Rousseau, Mr. Frank J. Rogers, Hon. Terry McAuliffe, Hon. C. Matthew Fariss, Hon. Robert Hurt, Hon. Mark R. Warner, Hon. Tim M. Kaine





## Proposed Lateral Expansion

Region 2000 Regional Landfill  
Campbell County, Virginia

SCALE 1" = 1000'

PLAN NO. B09107-109B



**Draper Aden Associates**  
Engineering • Surveying • Environmental Services

2206 South Main Street  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291

Richmond, VA  
Charlottesville, VA  
Hampton Roads, VA

DESIGNED LPK  
DRAWN SMF  
CHECKED LPK  
DATE 08-18-14

FIGURE

1

Date: May 4, 2015

To: Region 2000

From: Robert Day Jr.

RE: Comments about 6 acre parcel, landfill lateral extension

I am writing to object to the lateral extension. Several of the reasons are objections you have already heard from others, but I will give them anyway.

- The smell is bad, and continues to worsen. This past weekend was the worst yet, as I could not even go outside this past Saturday for several hours, and endured the smell even after that to get some yard work done. What would YOUR life be like if you had to put up with that? The quality of life is non-existent, and my grandchildren are growing up having to deal with both the noise and the smell. The longer the landfill operates, the more foul odor it will generate. When our postman delivered mail last week, he commented on the smell at our house, and then told us he notices the odor in subdivisions a couple of miles away from our house.
- Property values have already been affected, and, with the 9 year extension of closing the land fill provided by the lateral extension, will be affected for a big portion of many people's lives, certainly most of mine. As an example, my son, who lives 700 feet behind me, and adjacent to the Bennett property, tried to sell his house, and could not even get an offer directly because of the landfill. Others in the poplar Ridge subdivision cannot even get realtors to list their homes.
- The "6 acres" is a misnomer. The true size is approximately 22 acres at the top, when all the calculations are done.
- Originally Region 2000 presented the current landfill to the Campbell County Board of supervisors without the lateral extension. At the community meeting, it was said that the Board of Supervisors approved the extension in February of 2014. Research cannot find any such approval, nor was there anything publicized about it whereby residents could comment at a meeting to the board.
- The "coincidence" of the timing of the community meeting date and the end of the comment period is such that there was no time to get on the agenda of the Board of Supervisors meeting to voice an objection and solicit their involvement in the matter. That "coincidence" went further to the extent that even if we were able to somehow bring the matter up to the Board at the May 5<sup>th</sup> meeting, it would be beyond the comment period timeframe.
- There will be a loss of revenue in the form of unrealized income due to individuals not building residences and businesses not choosing to open shop along the 29 corridor in the ever-widening smelling radius of the landfill.



- The current financial arrangement between the counties involved in the landfill expires when the current approved capacity is reached. In other words, you are considering the prospect of the lateral extension without having all of the pieces in place before you move forward.

I could go on, but you have heard it before. The feeling many people in the area have is that you don't care because you don't live here. You have made no other plans that I know of to do something different if you do not go forward with the extension, which conveys the thought that this is something you have already made a decision on. In other words, it's a "done deal".

Given that I do not believe you will pay any attention to requests to turn down the lateral extension, I am requesting a 60 day cooling off period before you make your decision. This will give time for residents to get on the agenda for the next Campbell County Board of Supervisors meeting, and allow the Board time to comment to Region 2000 if they choose to do so.

Respectfully submitted,

Robert Day Jr.

821 Calohan road

Rustburg, VA 24588

bedayinva@aol.com

434-665-8893

May 4, 2015

**TO:**

Region 2000 Services Authority Board

**FROM:**

Anne Thomas Doyle, 2416 Scots Pine Xing, Durham, NC 27713 with her parents,  
Nina and Robert Thomas, 711 Calohan Road, Rustburg, VA 24588  
Bill Carwile, 921 Calohan Road, Rustburg, VA 24588

**Re:**

Comments on the Proposed Solid Waste Management Plan 2015 Update and Major Amendment,  
especially related to the landfill at 361 Livestock Road, Rustburg, VA

\*\*\*\*\*

This memo comes to you with the recommendation to REJECT the Proposed Solid Waste Management Plan 2015 Update and Major Amendment, especially as regards any expansion of the current landfill site on Livestock Road.

Our position against expansion of the landfill is based on ten observations:

- 1. The operational lifespan of the landfill has been and continues to be a moving target into the future.**
- 2. Neighbors persistently experience significant negative consequences of living near the landfill.**
- 3. In addition to having to live with the effects of living near the landfill, to have any hope of relief the neighbors must monitor their negative experiences and report them to the authorities—and the unpleasant events are increasing in number as time passes. This places a great burden for neighbors and significantly reduces their quality of life.**
- 4. The landfill is located too close to the Lynchburg Regional Airport to be safe from the danger of airborne vectors (e.g. buzzards and gulls).**
- 5. A person who represents the neighbors of the landfill should be on the Region 2000 Services Authority Board.**
- 6. The chance of conflict of interest from the receipt of “hosting fees,” i.e. that there is a financial incentive to the participating counties to continue the relationship with the Region 2000 Services Authority, is significant.**
- 7. Relying on regulations of the DEQ to protect citizens is ill-founded.**
- 8. The Campbell County Board of Supervisors has not been informed of the full impact of the landfill on its neighbors.**
- 9. While the Board of Supervisors has very little opportunity to intervene in the management of the landfill, it could protect the community through the powers vested in it to refuse all future permits or rezoning.**
- 10. Each of the landfill-related issues raised by neighbors and concerned citizens are treated as new by the Region 2000 Services Authority when, in fact, there is considerable experience with landfill issues and their management in this area and around the country.**

Supporting documentation (with references) for these ten observations is provided in the outline below. We encourage you to read the outline and vote against any decisions resulting in any expansion of the landfill on Livestock Road.

Thank you.

**Detail against the Regional 2000 SWMP 2015 Update and Major Amendments, especially actions regarding any expansion of the landfill on Livestock Road:**

**1. The operational lifespan of the landfill has been and continues to be a moving target into the future.**

- a. The number of years the landfill will remain operational has been a moving target. With each announcement the year closure is further out. Here are the dates and documents that have been presented to the neighbors.
  - i. Beck "Alternative Landfill Evaluation" 10/06:
    - 1. Scenario 1 Campbell County closes Nov 2022/Scenario 2 Campbell County closes Mar 2023 p.6
  - ii. Region 2000 Proof of Concept 12/06:
    - 1. Campbell County interim closure from 2007 until 2014 then operate as regional landfill facility until 2023 pp.2-3
  - iii. Region 2000 SWMP Draft 2/7/08
    - 1. "Campbell County landfill would begin operations in 2013 and close in 13 ½ years, i.e. 2026" p.4-6
  - iv. Region 2000 Landfill Expansion Engineering Report 2/10:
    - 1. "the additional capacity from the expansion area provides an estimate 3.2 to 4.3 years of operational life to the landfill," i.e. 2026 p. 1
  - v. Region 2000 SWMP 4/23/10
    - 1. "Assume operation of the Campbell County regional landfill November 2013; closure of the Campbell County regional landfill February 2022" p. 8-4
  - vi. Region 2000 presentation to Campbell County Board of Supervisors 10/7/14
    - 1. Lateral expansion of the landfill by filling in the areas between Phases III and IV will give add about 5 years to the life of space, until 2026.
    - 2. Expansion into landfill of acreage from Bennett property with rezoning would begin in 2027 with service of "around 50 years", i.e. 2077
  - vii. PEC application 11/5/14:
    - 1. "Without modification, the existing permitted landfill phases (Phases III and IV) have a remaining capacity that would last the Authority through 2020–2021." p.1
    - 2. "With approval of this expansion, the Authority should have sufficient capacity to continue operations through 2027." p.1
    - 3. With the purchase of the Bennett property, "Based on the preliminary concepts however the expansion into this site will add an additional 50 – 60 years of landfill life to the Authority", i.e. 2087. p.2
  - viii. Solid Waste Management Plan 2015 Update and Major Amendment—Draft 2/515:
    - 1. "Without the major amendment, the Permit 610 landfill will reach capacity by approximately 2022." p.1
    - 2. "if the major amendment for the lateral expansion is approved, has sufficient disposal capacity under its direct control to last it through approximately 2029." p.1

- b. Some neighbors of the Campbell County landfill believed that the hiatus from 2008-2012 was a permanent closure not realizing that the facility would be revitalized and expand from a county to a regional facility. Residents who understood the plan of the Region 2000 Services Authority to close the landfill by 2020 planned accordingly. Many realized the need for a landfill to support county residents, believed the statements of the management about operating with minimal impact to quality of life despite its proximity, and either remained in the neighborhood and/or moved in.
  - i. But the management of expectations turned out to be false propaganda—the Services Authority intends to keep the landfill operational on Livestock Road for as long as it possibly can: Sadly, the landfill operations are very intrusive and quality of life has diminished significantly for those who live and work around it.
  - ii. The landfill should close when Phase IV is completed, in approximately 2022, as outlined in the conceptual and agreed upon plan with no further expansion. Any further development at the Livestock Road site constitutes a breach of trust between the Services Authority with the landfill neighbors and concerned citizens of Campbell County wherever they reside.
2. **Neighbors persistently experience significant negative consequences of living near the landfill.**
  - a. Odor (more appropriately termed stench)
    - i. Neighbors of the landfill now keep daily logs about the foul odors they are experiencing. They are forced to report their findings to the landfill operators and to the DEQ in hopes that something will be done to alleviate the noxious smells that keep families indoors and limit the enjoyment of their homes.
      1. In an online poll of persons affected by the landfill, <http://tinyurl.com/lahdmnt>, 97% of the respondents describe the odor of the landfill as “strong,” “very strong,” or “overwhelming.”
      2. In an online poll of person affected by the landfill, <http://tinyurl.com/kpybpcg> 100% of respondents replied “sometimes, often, most times or all of the time” to “how often is the landfill odor strong, very strong or overpowering?”
    - ii. Landfill odors are prohibited by law.
      1. From the “Region 2000 Odor Management and Control Plan, November 10, 2011”, p. 1 “The odor standard cited in 9 VAC 5-40-140 prohibits the discharge of “any emissions which cause an odor objectionable to individuals of ordinary sensibility”. The housekeeping standard cited in 9 VAC 20-81-140.A.10 requires sanitary landfills to control odors “so they do not constitute nuisances or hazards”.
      2. From the increasing number of complaints received at the landfill offices (from 3 in all of 2014 to 51 from January to March in 2015) and at the DEQ as recorded in the DEQ inspection reports, it is clear that the landfill is failing 9 VAC 5-40-140 by allowing emissions of significant “odor objectionable to individuals of ordinary sensibility.”
        - a. The DEQ Inspection reports from the spring of 2015 that “Mr. Arthur explained that the facility and their engineering consultant are continuing to review and update the OMCP (Odor Management Control Plan.”



- i. The actual problem of the odor is from the operations—either the material being disposed of in the landfill or the manner in which putrescent material is handled—reviewing the plan is NOT going to fix the stench.
  - 3. The DEQ Inspection reports from the spring of 2015 indicated that deodorant sprays, intermediate covers, and berms are being tried to alleviate odors.
    - a. Based on the 51 complaints received in 2015 so far, these strategies are NOT successful at alleviating the noxious odors.
  - 4. From the “Region 2000 Odor Management and Control Plan, November 10, 2011”, pp. 5-6 “The Authority has tested and experimented with multiple odor treatment compounds, including both direct topical application products as well as misting systems. The Authority has previously experimented with a temporary odor masking/neutralizing agent to treat incoming sludge at other facilities. The results of these pilot test experiments indicated that the continued use of these agents was not producing the desired effect of reducing odors to acceptable levels. These types of odor masking/neutralizing agents will continue to be evaluated by the Facility and implemented where appropriate as prudent strategies for reducing malodorous emissions.”
  - 5. Why, given this experience previously reported in 2011, has the Region 2000 Services Authority Board approved on April 22, 2015 a study costing almost \$80,000 that will essentially replicate this experience?
- iii. Landfill odors are associated with health concerns and reduced quality of life.
  - 1. “Results suggest air pollutants from a regional landfill negatively impact the health and quality of life of neighbors”—quote from “The relation between malodor, ambient hydrogen sulfide, and health in a community bordering a landfill,” Heaney, et al, Environmental Research, 2011, Aug 111(6):847-852. <http://tinyurl.com/ksmmkuw>
  - 2. The Centers for Disease Control report that odors can have significant deleterious impacts on quality of life: ““Although landfill odors may not associated with long-term adverse health effects or illness for most people, the added disruption and stress of day-to-day activities can greatly impact quality of life.” Quality of life is very important and just because the health effects are not “long term for most people,” they cannot be denied. <http://tinyurl.com/k6jm7kg>
- b. Noise
  - i. Neighbors hear the noise of landfill operations.
  - ii. Noise complaints have been made to the landfill staff and the Services Authority Board by neighbors.
    - 1. Presentation and letters from neighbors at the Region 2000 Services Authority Board meeting on April 24, 2013 with action deferred until a study could be done and when that was reported at the July 24, 2013 meeting, it was agreed that no action needed to be taken.
- c. Reduced property values

- i. Research of real estate data shows negative impacts of landfills on property values.
  - 1. Study reference: "Do Landfills Always Depress Nearby Property Values?" Richard Ready, May 2005, Rural Development Paper No. 27, <http://tinyurl.com/muk4m48>
  - 2. The fall of property values has a negative impact on all residents AND on the county infrastructure—home values, tax base, appeal to future residents, appeal to new business, etc.
  - 3. In an online poll of neighbors of the landfill, <http://tinyurl.com/ml1667r>, 100% of respondents indicated that they are "extremely" or "very concerned" that their property values will decrease because of the landfill.
  - 4. The issue of property value declines was acknowledged by the Region 2000 Services Authority Board at their meeting on October 22, 2014 and staff was directed to put together "a packet to be put together with information on how many homes are out there, what other people have done and who has policies, with a good aerial photograph showing the property and improvements. For the present this would apply to the newly permitted landfill" no further information has been forthcoming, supposedly since the Region 2000 Services Authority withdrew their request for rezoning and the special permit.
    - a. Region 2000 Services Authority Board Minutes October 7, 2014
    - b. "The property value protection plan was in conjunction with The Bennett property expansion. I do not recall saying that this policy was on the table regardless of the status of expansion on the Bennett property. You are free to request the Region 2000 Service Authority Board to consider such policy." A quote from an email from Clarke Gibson to Jon Hardie on 3/25/15. <http://tinyurl.com/n4qpayl>
    - c. <http://tinyurl.com/ms6vd73>
    - d. Is not reviewing property values unless the newly purchased Bennett property can be used as landfill intended as a threat to quiet resistance to the expansion? We encourage the Region 2000 Services Authority to investigate the existing very real and very negative impacts of the landfill on neighbors now and develop a plan to be implemented with the current configuration of landfill operations to compensate for loss of quality of life and property values.
- d. Blowing trash
  - i. Numerous DEQ landfill inspection reports note that there is blowing trash being picked up by staff. Some of it nevertheless blows into the neighborhoods and some escapes from dump trucks as they approach the landfill.
- e. Increased traffic from dump trucks
  - i. This concern (among others) was raised by residents at the presentation to the Campbell County Planning Commission on December 1, 2014: <http://tinyurl.com/q3vstg9>
    - 1. Clarke Gibson noted in the minutes of the 4/24/13 Region 2000 Services Authority Board meeting (p.2) that the road from the scale

house to the landfill has taken a beating with about 250 trucks going in and out every day.”

- a. It seems likely that the surrounding area roads are similarly affected.
  - f. Aggregation of noxious birds, namely buzzards and gulls, around the landfill in the air and roosting on homes and businesses.
    - i. Committees of 50 to 100+ roosting buzzards are noxious to homes and businesses.
      1. Photos of 50 to 100+ buzzards on the Landfill on Livestock Road can be viewed here: <http://tinyurl.com/prewl6h>
      2. Video of a huge flock of gulls on the Landfill on Livestock Road can be viewed here: <http://tinyurl.com/na8c3wm>
  - g. Lack of communication about events of the landfill
    - i. At the public hearing on April 22, 2015 about the lateral expansion of the landfill and the Solid Waste Management Plan, the attendants learned that there had been a leak of leachate in mid-March. While the landfill operators assured the group that there was no negative impact on the streams and water supplies, there was a failure of systems that led to the leak.
      1. Operators notified the DEQ but not the public.
      2. The DEQ inspector when directly asked by a concerned citizen in a telephone conversation on April 21, 2015 about any leaks reported that there had not been any.
    - ii. Accessing information about decisions, events, management configurations, etc. related to the landfill are very difficult and place a burden on concerned citizens.
    - iii. The agendas and minutes and the Services Authority Board meetings are slow to be posted.
  - h. Potential water pollution
    - i. In an online poll of persons affected by the landfill, <http://tinyurl.com/otq8h33>, 100% of respondents indicated that they are “extremely” or “very concerned” or “concerned” about possible health issues caused by water pollutants from the landfill.
  - i. Potential air pollution
    - i. In an online poll of persons affected by the landfill, <http://tinyurl.com/naa5crn> 89% of respondents indicated that they are “extremely” or “very concerned” about possible health issues caused by airborne pollutants from the landfill.
- 3. In addition to having to live with the effects of living near the landfill, to have any hope of relief the neighbors must monitor their negative experiences and report them to the authorities—and the unpleasant events are increasing in number as time passes. This places a great burden for neighbors and significantly reduces their quality of life.**
- a. Each of these negative consequences reduces quality of life. Reduced quality of life of citizens is bad for areas hoping to develop and grow with good homes, stable jobs and security for residents.
  - b. The Services Authority should honor its agreement and allow the neighborhood to end its constant vigilance against odor, noise, trash, potential water pollution, potential air pollution, reduced property values and the persistent threats of expansion. The landfill should be relocated to a place with lower population density at the end of Phase IV with no further expansions.
  - c. The neighbors are justifiably concerned that the Region 2000 Services Authority will continue to seek to expand the landfill on the land purchased as the “Bennett

property” in small increments with a stated (but not intended) close date always X+ years out.

**4. The landfill is located too close to the Lynchburg Regional Airport to be safe from the danger of airborne vectors (e.g. buzzards and gulls).**

a. The FAA rules state:

i. In FAA documentation, AC No. 150/5200-33B:

1. Buzzards are listed as the number 2 species group ranked hazardous to aircraft.
2. “The Environmental Protection Agency (EPA) requires any MSWLF operator proposing a new or expanded waste disposal operation within 5 statute miles of a runway end to notify the appropriate FAA Regional Airports Division Office and the airport operator of the proposal (40 CFR 258, *Criteria for Municipal Solid Waste Landfills*, Section 258.10, *Airport Safety*). When new or expanded MSWLF are being proposed near airports, MSWLF operators must notify the airport operator and the FAA of the proposal as early as possible pursuant to 40 CFR 258.” (p.15)
3. Subpart B—Location Restrictions § 258.10 Airport safety. (b) Owners or operators proposing to site new MSWLF units and lateral expansions within a five-mile radius of any airport runway end used by turbojet or piston-type aircraft must notify the affected airport and the Federal Aviation Administration (FAA). (c) The owner or operator must place the demonstration in paragraph (a) of this section in the operating record and notify the State Director that it has been placed in the operating record. (d) For purposes of this section: (1) Airport means public-use airport open to the public without prior permission and without restrictions within the physical capacities of available facilities. (2) Bird hazard means an increase in the likelihood of bird/aircraft collisions that may cause damage to the aircraft or injury to its occupants. (from the Code of Federal Regulations <http://tinyurl.com/q2xnlhl>)

ii. At the public hearing the representative Lynn Klappich from Draper Aden Associates indicated that no approval of the landfill expansion had been secured from the FAA nor the Lynchburg Regional Airport.

1. Proceeding without this is extremely risky and places a great risk of liability on the landfill management.

iii. In a telephone communication on 4/29/15 with the FAA Regional Safety and Standards Office in New York City, the official confirmed to A. Doyle that no letters of notification about the intent to expand the Landfill on Livestock Road had been received.

1. After the FAA receives a letter from a landfill administrator, the FAA assigns a “case number” and issues a Letter of Determination in reply. Neither of these actions has been taken as they have no record of notification from the Region 2000 Services Authority.
2. The FAA encourages the local municipal airport to work with any facility to mitigate wildlife dangers through their safety plans.

iv. In a telephone conversation on 4/29/15, the Director of the Lynchburg Regional Airport, Mark Courtney expressed concerns to A. Doyle about the possibility of wildlife (especially buzzards and gulls) at the landfill interfering with aircraft safety. He did acknowledge that he reports to City of Lynchburg Administrator and Region 2000 Services Authority Board Chair, Kimmel



Payne. Concerned Citizens ask: Can the airport director voice safety issues if that opinion is in conflict with financial and operational pressures of another division under the watch of his manager?

- b. The Virginia Department of Aviation is the designated state agency to review and comment on all DEQ solid waste permit applications as well as all requests to expand landfills, such as with the lateral expansion of the landfill on Livestock Road. In a telephone conversation with A. Doyle on 4/30/15, the representative in Richmond reported that no requests to review solid waste permits for landfill expansion had been received related to the landfill on Livestock Road.
  - c. Kettles of 50 to 100+ airborne buzzards present considerable risk to aircraft. Please refer to photo posted online: <http://tinyurl.com/lqw2ba8>
  - d. Must there be a horrific accident before action is taken?
- 5. A person who represents the neighbors of the landfill should be on the Region 2000 Services Authority Board.**
- a. The Board is comprised of the administrators of each of the participating counties, each with one vote. There is no way for the county hosting the landfill to object to decisions of the board and hope to “win” in a vote that serves each of the non-hosting counties but not the hosting county.
  - b. The elected governing body of the hosting county has no voice or authority in the operations of the landfill despite its possible impact on citizens. (The membership agreement was not readily available online for review.)
  - c. The Services Authority should support community involvement in its decisions. There are various alternatives:
    - i. Include someone to represent the neighbors of the landfill on the Services Authority Board. That member should be fully informed of all decisions and have full voting authority.
    - ii. A Neighbor Action Group could be formed to pose and address questions.
- 6. The chance of conflict of interest from the receipt of “hosting fees,” i.e. that there is a financial incentive to the participating counties to continue the relationship with the Region 2000 Services Authority, is significant.**
- a. Who protects the citizens from the negative impacts of the landfill when the landfill operators, the City and Campbell County make money (and Nelson and Appomattox Counties save money) from its continuation? For example, odors from the disposal of sludge are of great concern to neighbors but due to financial incentives viable alternatives are disregarded.
    - i. Sludge from Lynchburg could be handled cheaper by other methods but to keep the county revenues up, it continues to be landfilled.
      - 1. The Region 2000 Services Authority Board minutes from October 24, 2012 document that the City informed the Board that it was considering alternative sludge disposal options that would save the City money so the City was seeking a discount for sludge disposal. A consequence of the City not paying to landfill the sludge would be higher tipping fees for all--“if the sludge is not landfilled, the member costs will rise.” The minutes do not report any action taken so the sludge continues to be landfilled.
- 7. Relying on regulations of the DEQ to protect citizens is ill founded.**
- a. If the Region 2000 Services Authority follows the rules and regulations of the DEQ for wetlands and solid waste, the DEQ will approve their requests for permits. The DEQ provides no input or feedback on the quality of life of the citizens affected by the landfill or of the impact of the landfill on the plans of the county, though they will keep records of the number of complaints received.

- i. Documentation of issues wins over resolution of complaints. A review of the DEQ Inspection Reports indicate that even when issues are identified (e.g. odor complaints), any action of the landfill staff despite its failure to resolve the issue is deemed satisfactory.
    1. <http://tinyurl.com/plwsgz2> "In response to odor complaints and landfill staff is investigating complaints the facility and its engineering consultant are reviewing the facility's odor management plan...and meeting with affected residents" is the statement that appears repeatedly in the reports.
    2. Other action steps taken do not result in alleviation of the odor/stench issue.
    3. How long will the DEQ allow the odors to persist even if the landfill staff makes attempts at resolving them? For residents, the measure of success is measured by the lack of stench, not failed efforts.
8. **The Campbell County Board of Supervisors has not been informed of the full impact of the landfill on its neighbors.**
  - a. Documents suggest that the lateral expansion was described briefly and documents were signed by administrators without discussion or action by the Campbell County Board of Supervisors or the public.
    - i. Memo from Clifton Tweedy to David Laurell dated 1/13/14: <http://tinyurl.com/lacwbg8>
    - ii. The lateral expansion of the 6-acre area between Phases III and IV was introduced to the Board of Supervisors at their meeting on October 7, 2014, along with the plans to expand into 206 acres of the to-be-purchased Bennett property. The two community meetings to be held the next two weeks (October 14 and 21) were also announced. No mention was recorded in the minutes of discussion of the impact of these expansions on the quality of life of the neighbors or the county.
9. **While the Board of Supervisors has very little opportunity to intervene in the management of the landfill, it could protect the community through the powers vested in it to refuse all future permits or rezoning.**
  - a. The Board of Supervisors could deny any further expansion of the existing landfill site by refusing to rezone the (former) Bennett property (and possibly other land around the area) to business/industrial and not approving special permits in perpetuity.
  - b. With additional time before any action is taken on expansion of the landfill on Livestock Road, the Campbell County Board of Supervisors can be contacted and encouraged to act on this proposal.
10. **Each of the landfill-related issues raised by neighbors and concerned citizens is treated as new by the Region 2000 Services Authority when, in fact, there is considerable experience with landfill issues and their management in this area and around the country.**
  - a. E.g. given that much is known about what is put into the landfill, the composition of gases is very, very likely to be predictable. Why waste resources (i.e. money) and time (i.e. quality of life) testing to find out what is very likely known? And why waste resources (i.e. money) and time (i.e. quality of life) trying "fixes" like deodorants and covers that have been tried and failed by these operators?
  - b. How can we be sure that the best options for neighbors and the area are being implemented at the Livestock Road facility in a timely manner?
  - c. Is income for the partner counties and not quality of life for neighboring residents the measure of success?

## DONALD AARON BARNETT

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367 Barringer Dr.  
Rustburg, VA 24588  
Phone (910) 546-0145 (m) (434) 821-2243 (h)  
[donald.a.barnett@gmail.com](mailto:donald.a.barnett@gmail.com)

RECEIVED

MAY 04 2015

REGION 2000  
SERVICES AUTHORITY

May 2, 2015

Dear Sir or Madam,

I am in opposition to the lateral expansion of the Region 2000 Services Authority MSWLF located at Livestock Road, Rustburg, VA.

There are many in the community who have spoken on numerous occasions as to why they are opposed to the operation of the consolidated landfill in its current location. I have made several arguments over the years as to why I believe this is not a fitting location for the landfill. Today I will make a singular argument.

Since December of last year I have been in pursuit of answers from the FAA with regard to the location of the landfill in relation to Lynchburg Regional Airport. After speaking to an FAA wildlife biologist, corresponding with the Washington ADO representative for Lynchburg Regional, and being put in contact with a Senior Civil Engineer/Airport Certification and Safety Inspector from the Eastern Region branch of Safety and Standards, I am confident that the lateral expansion is in violation of 40 CFR 258, Chapter 2, Subpart B.

I have spoken to the director of Lynchburg Regional, the head of the aviation program for Liberty University, and have been put in contact with the Director of Safety for Liberty University. There is no denying that the current cell and all proposed lands for landfill use at the current location are within five miles of the ends of runways 04 and 35 at Lynchburg Regional. There is no denying the landfill is directly between Lynchburg Regional and Brookneal airfield, the primary outlying airfield used by Liberty aviation students. There is no denying that the increase in turkey vultures, gulls, hawks, falcons, and even bald eagles is a direct result of the landfill operations. Lastly, there is no denying that because of the bird activity in close proximity to these two airfields, the landfill is a hazard to aviation.

If followed to the letter, 40 CFR 258 is the reason the lateral expansion should not take place. In fact, per Chapter 2, Subpart B, Paragraph 2.2.2 "Applicability" the landfill should be closed. This based on the stated definition of "bird hazard means an increase in the likelihood of bird/aircraft collisions that may cause damage to the aircraft or injury to its occupants." And, "Owners and operators of new MSWLF units, existing MSWLF units, and lateral expansions of existing units that are located near an airport, who cannot demonstrate that the MSWLF unit does not pose a bird hazard, must close their units."

Neither I, nor any Emergency Medical Services helicopter pilot I can imagine, would take unnecessary risk with the lives of those with which we are entrusted. I ask that you consider the fate of someone you care about, as I, or one of my fellow pilots traverse the airspace near the landfill en route to the hospital. Helicopters are magnificent machines, but inherently unstable, and if the pilot is incapacitated due to a bird strike such as a turkey vulture, the results are catastrophic.

Sincerely,

  
Donald A. Barnett

## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 05, 2015 8:28 AM  
**To:** Gary Christie; 'Kim Payne (kpayne@lynchburgva.gov)'; 'Steve Carter'; susan.adams@appomattoxcountyva.gov; Rogers, Frank J. IV; 'bill@heftywiley.com'; Lynn Klappich  
**Subject:** FW: More supporters of comment  
**Attachments:** Points about the Landfill on Livestock Road 4may15 tinyURL final.pdf

FYI, this is actually three households and Carl Weiser has submitted his own letter of opposition.

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**From:** Anne Doyle [mailto:attentiontolife@gmail.com]  
**Sent:** Monday, May 04, 2015 4:57 PM  
**To:** SWMPcomments  
**Subject:** More supporters of comment

Hello,

Earlier today I sent you an email (from Anne Thomas Doyle, Nina Thomas, Robert Thomas, and Bill Carwile) commenting on the Solid Waste Management Plan Update 2015 (a copy of our memo is attached).

Since sending that email around 2 p.m., I posted a copy of our memo on the website <http://MoreWasteMatters.wordpress.com> at around 3 p.m. inviting all who agree with the content of our comments to enter their names and addresses. These 8 people listed below would like to be recognized as supporting our letter and another 7 indicated agreement but didn't enter their names and address:

5/4/2015 15:29:04	yes	Carl Weiser	347 Crestview Dr, Rustburg, VA 24588
5/4/2015 16:17:33	yes	GEORGIA DEANGELIS	159 BARRINGER DR
5/4/2015 16:17:52		MICHAEL DEANGELIS	159 BARRINGER DR
5/4/2015 16:40:15	yes	Taeseong Kim	57 holland ct. Rustburg, va 24598
5/4/2015 16:42:06	yes	Hyunjin Michelle Kim	57 holland ct. Rustburg, va 24578
5/4/2015 16:43:22	yes	Soonja Kim	57 holland ct. Rustburg, va 24588
5/4/2015 16:44:28	yes	Sarah Kim	57 holland ct. Rustburg, va24588
5/4/2015 16:45:58	yes	Joseph Kim	57 holland ct. Rustburg, va 24588
5/4/2015 16:46:21	yes		
5/4/2015 16:46:29	yes		
5/4/2015 16:46:41	yes		
5/4/2015 16:46:50	yes		
5/4/2015 16:47:00	yes		
5/4/2015 16:47:09	yes		
5/4/2015 16:47:46	yes		

As I receive more names, I will send them to you.



If you have any questions, please feel free to contact me.

Thank you,

Anne Doyle

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This message has been scanned for viruses and dangerous content by [Rose Computers](#), and is believed to be clean.

## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:18 AM  
**To:** Lynn Klappich  
**Subject:** FW: SWMP Comment

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:17 AM  
**To:** 'Don Barnett'  
**Subject:** RE: SWMP Comment

Thank you for your comments presented at the public hearing held on April 22, 2015 and/or submitted as part of the 30 day public comment period in regards to the major amendment to the Region 2000 Solid Waste Management Plan. This amendment addresses the withdrawal of the City/Town of Bedford from the region and the Permit 610 lateral expansion (the fill area between permitted Phase III and IV of the existing and operating landfill). As required by the Virginia Solid Waste Planning Regulations, 9VAC20-130-130.B a record of the public hearing, a copy of all written comments and this response to the comments will be submitted to the Virginia Department of Environmental Quality (VDEQ) when the plan is submitted. Submittal will not be completed until the Region 2000 Services Authority approves the amendment by resolution.

Please note that the Virginia Department of Environmental Quality is in the process of preparing a draft permit for the Permit 610 lateral expansion. Once completed, a 30 day public comment period will be advertised by VDEQ and a public hearing held to receive comments on the technical design aspects of the project. A schedule for this public comment period has not yet been established by VDEQ.

With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

**From:** Don Barnett [<mailto:donald.a.barnett@gmail.com>]  
**Sent:** Sunday, May 03, 2015 4:55 PM  
**To:** SWMPcomments  
**Subject:** SWMP Comment

Donald A. Barnett

367 Barringer Dr.

Rustburg, VA 24588

Phone (910) 546-0145 (m) (434) 821-2243 (h)

[donald.a.barnett@gmail.com](mailto:donald.a.barnett@gmail.com)

May 2, 2015

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Sincerely,

Donald A. Barnett

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## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:18 AM  
**To:** Lynn Klappich  
**Subject:** FW: Letter Commenting on Region 2000 solid waste disposal plan and lateral expansion

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:17 AM  
**To:** 'Bill Carwile'  
**Subject:** RE: Letter Commenting on Region 2000 solid waste disposal plan and lateral expansion

Thank you for your comments presented at the public hearing held on April 22, 2015 and/or submitted as part of the 30 day public comment period in regards to the major amendment to the Region 2000 Solid Waste Management Plan. This amendment addresses the withdrawal of the City/Town of Bedford from the region and the Permit 610 lateral expansion (the fill area between permitted Phase III and IV of the existing and operating landfill). As required by the Virginia Solid Waste Planning Regulations, 9VAC20-130-130.B a record of the public hearing, a copy of all written comments and this response to the comments will be submitted to the Virginia Department of Environmental Quality (VDEQ) when the plan is submitted. Submittal will not be completed until the Region 2000 Services Authority approves the amendment by resolution.

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With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

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**From:** Bill Carwile [<mailto:bcarwile123@yahoo.com>]  
**Sent:** Monday, May 04, 2015 9:14 AM  
**To:** SWMPcomments  
**Subject:** Letter Commenting on Region 2000 solid waste disposal plan and lateral expansion

5-04-15 @ approx 9:05 AM

Gentlemen,

I am attaching a letter in pdf format to the Region 2000 Services Authority which details my comments opposing the Region 2000 Services Authority Special Use Permit application and Lateral Expansion.

Please confirm receipt of this letter by return email.

Thank you for the opportunity to express thoughts on this matter.



Yours Truly,

William A. Carwile  
921 Calohan Road  
Rustburg, VA 24588

Home: 434-821-3351

Cell: 434-660-2368

email: [bcarwile123@yahoo.com](mailto:bcarwile123@yahoo.com)

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This message has been scanned for viruses and dangerous content by [Rose Computers](#), and is believed to be clean.

## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:18 AM  
**To:** Lynn Klappich  
**Subject:** FW: Lateral Extension Comments

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:17 AM  
**To:** 'bedayinva@aim.com'  
**Subject:** RE: Lateral Extension Comments

Thank you for your comments presented at the public hearing held on April 22, 2015 and/or submitted as part of the 30 day public comment period in regards to the major amendment to the Region 2000 Solid Waste Management Plan. This amendment addresses the withdrawal of the City/Town of Bedford from the region and the Permit 610 lateral expansion (the fill area between permitted Phase III and IV of the existing and operating landfill). As required by the Virginia Solid Waste Planning Regulations, 9VAC20-130-130.B a record of the public hearing, a copy of all written comments and this response to the comments will be submitted to the Virginia Department of Environmental Quality (VDEQ) when the plan is submitted. Submittal will not be completed until the Region 2000 Services Authority approves the amendment by resolution.

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With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

**From:** [bedayinva@aim.com](mailto:bedayinva@aim.com) [<mailto:bedayinva@aim.com>]  
**Sent:** Sunday, May 03, 2015 11:01 PM  
**To:** SWMPcomments  
**Subject:** Lateral Extension Comments

Please see attached for comments.

Bob Day

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This message has been scanned for viruses and dangerous content by [Rose Computers](#), and is believed to be clean.

## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:19 AM  
**To:** Lynn Klappich  
**Subject:** FW: More supporters of comment

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:16 AM  
**To:** 'Anne Doyle'  
**Subject:** RE: More supporters of comment

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With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

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**From:** Anne Doyle [<mailto:attentiontolife@gmail.com>]  
**Sent:** Monday, May 04, 2015 4:57 PM  
**To:** SWMPcomments  
**Subject:** More supporters of comment

Hello,

Earlier today I sent you an email (from Anne Thomas Doyle, Nina Thomas, Robert Thomas, and Bill Carwile) commenting on the Solid Waste Management Plan Update 2015 (a copy of our memo is attached).

Since sending that email around 2 p.m., I posted a copy of our memo on the website <http://MoreWasteMatters.wordpress.com> at around 3 p.m. inviting all who agree with the content of our comments to enter their names and addresses. These 8 people listed below would like to be recognized as supporting our letter and another 7 indicated agreement but didn't enter their names and address:

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5/4/2015 16:46:50	yes		
5/4/2015 16:47:00	yes		
5/4/2015 16:47:09	yes		
5/4/2015 16:47:46	yes		

As I receive more names, I will send them to you.

If you have any questions, please feel free to contact me.

Thank you,

Anne Doyle

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This message has been scanned for viruses and dangerous content by [Rose Computers](#), and is believed to be clean.



## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:18 AM  
**To:** Lynn Klappich  
**Subject:** FW: Comments on the Proposed Solid Waste Management Plan 2015 Update and Major Amendment

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:17 AM  
**To:** 'Anne Doyle'  
**Subject:** RE: Comments on the Proposed Solid Waste Management Plan 2015 Update and Major Amendment

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With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

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**From:** Anne Doyle [<mailto:attentiontolife@gmail.com>]  
**Sent:** Monday, May 04, 2015 1:57 PM  
**To:** SWMPcomments  
**Cc:** Nina and Bick Thomas; Bick Thomas; Bill Carwile; [morewastematters@gmail.com](mailto:morewastematters@gmail.com)  
**Subject:** Comments on the Proposed Solid Waste Management Plan 2015 Update and Major Amendment

May 4, 2015

**TO:**

Region 2000 Services Authority Board

**FROM:**

Anne Thomas Doyle, 2416 Scots Pine Xing, Durham, NC 27713 with her parents,

Nina and Robert Thomas, 711 Calohan Road, Rustburg, VA 24588

Bill Carwile, 921 Calohan Road, Rustburg, VA 24588

**Re:**

Comments on the Proposed Solid Waste Management Plan 2015 Update and Major Amendment, especially related to the landfill at 361 Livestock Road, Rustburg, VA

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

This memo comes to you with the recommendation to REJECT the Proposed Solid Waste Management Plan 2015 Update and Major Amendment, especially as regards any expansion of the current landfill site on Livestock Road.

Our position against expansion of the landfill is based on ten observations:

- 1. The operational lifespan of the landfill has been and continues to be a moving target into the future.**
- 2. Neighbors persistently experience significant negative consequences of living near the landfill.**
- 3. In addition to having to live with the effects of living near the landfill, to have any hope of relief the neighbors must monitor their negative experiences and report them to the authorities—and the unpleasant events are increasing in number as time passes. This places a great burden for neighbors and significantly reduces their quality of life.**
- 4. The landfill is located too close to the Lynchburg Regional Airport to be safe from the danger of airborne vectors (e.g. buzzards and gulls).**
- 5. A person who represents the neighbors of the landfill should be on the Region 2000 Services Authority Board.**
- 6. The chance of conflict of interest from the receipt of “hosting fees,” i.e. that there is a financial incentive to the participating counties to continue the relationship with the Region 2000 Services Authority, is significant.**
- 7. Relying on regulations of the DEQ to protect citizens is ill-founded.**
- 8. The Campbell County Board of Supervisors has not been informed of the full impact of the landfill on its neighbors.**
- 9. While the Board of Supervisors has very little opportunity to intervene in the management of the landfill, it could protect the community through the powers vested in it to refuse all future permits or rezoning.**
- 10. Each of the landfill-related issues raised by neighbors and concerned citizens are treated as new by the Region 2000 Services Authority when, in fact, there is considerable experience with landfill issues and their management in this area and around the country.**

Supporting documentation (with references) for these ten observations is provided in the outline below. We encourage you to read the outline and vote against any decisions resulting in any expansion of the landfill on Livestock Road. A .pdf version of this document is attached for your convenience.

Thank you.

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

**Detail against the Regional 2000 SWMP 2015 Update and Major Amendments, especially actions regarding any expansion of the landfill on Livestock Road:**

**1. The operational lifespan of the landfill has been and continues to be a moving target into the future.**

- a. The number of years the landfill will remain operational has been a moving target. With each announcement the year closure is further out. Here are the dates and documents that have been presented to the neighbors.
  - i. Beck “Alternative Landfill Evaluation” 10/06:
    1. Scenario 1 Campbell County closes Nov 2022/Scenario 2 Campbell County closes Mar 2023 p.6
  - ii. Region 2000 Proof of Concept 12/06:
    1. Campbell County interim closure from 2007 until 2014 then operate as regional landfill facility until 2023 pp.2-3
  - iii. Region 2000 SWMP Draft 2/7/08
    1. “Campbell County landfill would begin operations in 2013 and close in 13 ½ years, i.e. 2026” p.4-6
  - iv. Region 2000 Landfill Expansion Engineering Report 2/10:
    1. “the additional capacity from the expansion area provides an estimate 3.2 to 4.3 years of operational life to the landfill,” i.e. 2026 p. 1
  - v. Region 2000 SWMP 4/23/10
    1. “Assume operation of the Campbell County regional landfill November 2013; closure of the Campbell County regional landfill February 2022” p. 8-4
  - vi. Region 2000 presentation to Campbell County Board of Supervisors 10/7/14
    1. Lateral expansion of the landfill by filling in the areas between Phases III and IV will give add about 5 years to the life of space, until 2026.

2. Expansion into landfill of acreage from Bennett property with rezoning would begin in 2027 with service of “around 50 years”, i.e. 2077

vii. PEC application 11/5/14:

1. “Without modification, the existing permitted landfill phases (Phases III and IV) have a remaining capacity that would last the Authority through 2020–2021.” p.1
2. “With approval of this expansion, the Authority should have sufficient capacity to continue operations through 2027.” p.1
3. With the purchase of the Bennett property, “Based on the preliminary concepts however the expansion into this site will add an additional 50 – 60 years of landfill life to the Authority”, i.e. 2087. p.2

viii. Solid Waste Management Plan 2015 Update and Major Amendment—Draft 2/5/15:

1. “Without the major amendment, the Permit 610 landfill will reach capacity by approximately 2022.” p.1
2. “if the major amendment for the lateral expansion is approved, has sufficient disposal capacity under its direct control to last it through approximately 2029.” p.1

b. Some neighbors of the Campbell County landfill believed that the hiatus from 2008-2012 was a permanent closure not realizing that the facility would be revitalized and expand from a county to a regional facility. Residents who understood the plan of the Region 2000 Services Authority to close the landfill by 2020 planned accordingly. Many realized the need for a landfill to support county residents, believed the statements of the management about operating with minimal impact to quality of life despite its proximity, and either remained in the neighborhood and/or moved in.

- i. But the management of expectations turned out to be false propaganda—the Services Authority intends to keep the landfill operational on Livestock Road for as long as it possibly can: Sadly, the landfill operations are very intrusive and quality of life has diminished significantly for those who live and work around it.
- ii. The landfill should close when Phase IV is completed, in approximately 2022, as outlined in the conceptual and agreed upon plan with no further expansion. Any further development at the Livestock Road site constitutes a breach of trust between the Services Authority with the landfill neighbors and concerned citizens of Campbell County wherever they reside.

**2. Neighbors persistently experience significant negative consequences of living near the landfill.**

- a. Odor (more appropriately termed stench)
  - i. Neighbors of the landfill now keep daily logs about the foul odors they are experiencing. They are forced to report their findings to the landfill operators and to the DEQ in hopes that something will be done to alleviate the noxious smells that keep families indoors and limit the enjoyment of their homes.



1. In an online poll of persons affected by the landfill, <https://morewastematters.wordpress.com/category/survey-questions/survey-question-1-odor/>, 97% of the respondents describe the odor of the landfill as “strong,” “very strong,” or “overwhelming.”
  2. In an online poll of person affected by the landfill, <https://morewastematters.wordpress.com/category/survey-questions/survey-question-2-odor-frequency/>, 100% of respondents replied “sometimes, often, most times or all of the time” to “how often is the landfill odor strong, very strong or overpowering?”
- ii. Landfill odors are prohibited by law.
1. From the “Region 2000 Odor Management and Control Plan, November 10, 2011”, p. 1 “The odor standard cited in 9 VAC 5-40-140 prohibits the discharge of “any emissions which cause an odor objectionable to individuals of ordinary sensibility”. The housekeeping standard cited in 9 VAC 20-81-140.A.10 requires sanitary landfills to control odors “so they do not constitute nuisances or hazards”.
  2. From the increasing number of complaints received at the landfill offices (from 3 in all of 2014 to 51 from January to March in 2015) and at the DEQ as recorded in the DEQ inspection reports, it is clear that the landfill is failing 9 VAC 5-40-140 by allowing emissions of significant “odor objectionable to individuals of ordinary sensibility.”
    - a. The DEQ Inspection reports from the spring of 2015 that “Mr. Arthur explained that the facility and their engineering consultant are continuing to review and update the OMCP (Odor Management Control Plan.”
      - i. The actual problem of the odor is from the operations—either the material being disposed of in the landfill or the manner in which putrescent material is handled—reviewing the plan is NOT going to fix the stench.
  3. The DEQ Inspection reports from the spring of 2015 indicated that deodorant sprays, intermediate covers, and berms are being tried to alleviate odors.
    - a. Based on the 51 complaints received in 2015 so far, these strategies are NOT successful at alleviating the noxious odors.
  4. From the “Region 2000 Odor Management and Control Plan, November 10, 2011”, pp. 5-6 “The Authority has tested and experimented with multiple odor treatment compounds, including both direct topical application products as well as misting systems. The Authority has previously experimented with a temporary odor masking/neutralizing agent to treat incoming sludge at other facilities. The results of these pilot test experiments indicated that the continued use of these agents was not producing the desired effect of reducing odors to acceptable levels. These types of odor masking/neutralizing agents will continue to be evaluated by the Facility and implemented where appropriate as prudent strategies for reducing malodorous emissions.”

5. Why, given this experience previously reported in 2011, has the Region 2000 Services Authority Board approved on April 22, 2015 a study costing almost \$80,000 that will essentially replicate this experience?
- iii. Landfill odors are associated with health concerns and reduced quality of life.
    1. “Results suggest air pollutants from a regional landfill negatively impact the health and quality of life of neighbors”—quote from “The relation between malodor, ambient hydrogen sulfide, and health in a community bordering a landfill,” Heaney, et al, Environmental Research, 2011, Aug 111(6):847-852. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3143289/>
    2. The Centers for Disease Control report that odors can have significant deleterious impacts on quality of life: ““Although landfill odors may not associated with long-term adverse health effects or illness for most people, the added disruption and stress of day-to-day activities can greatly impact quality of life.” Quality of life is very important and just because the health effects are not “long term for most people,” they cannot be denied. <http://www.atsdr.cdc.gov/HAC/landfill/html/ch3.html>
  - b. Noise
    - i. Neighbors hear the noise of landfill operations.
    - ii. Noise complaints have been made to the landfill staff and the Services Authority Board by neighbors.
      1. Presentation and letters from neighbors at the Region 2000 Services Authority Board meeting on April 24, 2013 with action deferred until a study could be done and when that was reported at the July 24, 2013 meeting, it was agreed that no action needed to be taken.
  - c. Reduced property values
    - i. Research of real estate data shows negative impacts of landfills on property values.
      1. Study reference: “Do Landfills Always Depress Nearby Property Values?” Richard Ready, May 2005, Rural Development Paper No. 27, <http://aese.psu.edu/nercrd/publications/rdp/rdp27.pdf>
      2. The fall of property values has a negative impact on all residents AND on the county infrastructure—home values, tax base, appeal to future residents, appeal to new business, etc.
      3. In an online poll of neighbors of the landfill, <https://morewastematters.wordpress.com/2015/02/10/results-of-survey-question-3-as-of-2915/>, 100% of respondents indicated that they are “extremely” or “very concerned” that their property values will decrease because of the landfill.

4. The issue of property value declines was acknowledged by the Region 2000 Services Authority Board at their meeting on October 22, 2014 and staff was directed to put together “a packet to be put together with information on how many homes are out there, what other people have done and who has policies, with a good aerial photograph showing the property and improvements. For the present this would apply to the newly permitted landfill” no further information has been forthcoming, supposedly since the Region 2000 Services Authority withdrew their request for rezoning and the special permit.
  - a. Region 2000 Services Authority Board Minutes October 7, 2014
  - b. “The property value protection plan was in conjunction with The Bennett property expansion. I do not recall saying that this policy was on the table regardless of the status of expansion on the Bennett property. You are free to request the Region 2000 Service Authority Board to consider such policy.” A quote from an email from Clarke Gibson to Jon Hardie on 3/25/15. <https://morewastematters.wordpress.com/2015/04/02/email-exchange-re-services-authority-board-minutes-plans-property-values>
  - c. [http://www.newsadvance.com/news/local/rezoning-acres-in-campbell-county-sought-for-landfill-expansion/article\\_344c6304-5a4b-11e4-8351-0017a43b2370.html](http://www.newsadvance.com/news/local/rezoning-acres-in-campbell-county-sought-for-landfill-expansion/article_344c6304-5a4b-11e4-8351-0017a43b2370.html)
  - d. Is not reviewing property values unless the newly purchased Bennett property can be used as landfill intended as a threat to quiet resistance to the expansion? We encourage the Region 2000 Services Authority to investigate the existing very real and very negative impacts of the landfill on neighbors now and develop a plan to be implemented with the current configuration of landfill operations to compensate for loss of quality of life and property values.

d. Blowing trash

- i. Numerous DEQ landfill inspection reports note that there is blowing trash being picked up by staff. Some of it nevertheless blows into the neighborhoods and some escapes from dump trucks as they approach the landfill.

e. Increased traffic from dump trucks

- i. This concern (among others) was raised by residents at the presentation to the Campbell County Planning Commission on December 1, 2014: [http://www.altavistajournal.com/news/article\\_33a2aed8-7b05-11e4-b705-17a1b11593bc.html](http://www.altavistajournal.com/news/article_33a2aed8-7b05-11e4-b705-17a1b11593bc.html)
  1. Clarke Gibson noted in the minutes of the 4/24/13 Region 2000 Services Authority Board meeting (p.2) that the road from the scale house to the landfill has taken a beating with about 250 trucks going in and out every day.”

- a. It seems likely that the surrounding area roads are similarly affected.

- f. Aggregation of noxious birds, namely buzzards and gulls, around the landfill in the air and roosting on homes and businesses.
  - i. Committees of 50 to 100+ roosting buzzards are noxious to homes and businesses.
    - 1. Photos of 50 to 100+ buzzards on the Landfill on Livestock Road can be viewed here: <https://morewastematters.wordpress.com/2015/04/16/buzzards-over-the-landfill-on-livestock-road/>
    - 2. Video of a huge flock of gulls on the Landfill on Livestock Road can be viewed here: <https://morewastematters.wordpress.com/2015/04/16/gulls-feeding-at-the-landfill-on-livestock-road/>
- g. Lack of communication about events of the landfill
  - i. At the public hearing on April 22, 2015 about the lateral expansion of the landfill and the Solid Waste Management Plan, the attendants learned that there had been a leak of leachate in mid-March. While the landfill operators assured the group that there was no negative impact on the streams and water supplies, there was a failure of systems that led to the leak.
    - 1. Operators notified the DEQ but not the public.
    - 2. The DEQ inspector when directly asked by a concerned citizen in a telephone conversation on April 21, 2015 about any leaks reported that there had not been any.
  - ii. Accessing information about decisions, events, management configurations, etc. related to the landfill are very difficult and place a burden on concerned citizens.
  - iii. The agendas and minutes and the Services Authority Board meetings are slow to be posted.
- h. Potential water pollution
  - i. In an online poll of persons affected by the landfill, <https://morewastematters.wordpress.com/2015/02/17/survey-question-5-results-on-21715/>, 100% of respondents indicated that they are “extremely” or “very concerned” or “concerned” about possible health issues caused by water pollutants from the landfill.
- i. Potential air pollution
  - i. In an online poll of persons affected by the landfill, <https://morewastematters.wordpress.com/2015/02/14/results-of-survey-question-4-as-of-21415/>, 89% of respondents indicated that they are “extremely” or “very concerned” about possible health issues caused by airborne pollutants from the landfill.

**3. In addition to having to live with the effects of living near the landfill, to have any hope of relief the neighbors must monitor their negative experiences and report them to the authorities—and the unpleasant events are increasing in number as time passes. This places a great burden for neighbors and significantly reduces their quality of life.**



- a. Each of these negative consequences reduces quality of life. Reduced quality of life of citizens is bad for areas hoping to develop and grow with good homes, stable jobs and security for residents.
- b. The Services Authority should honor its agreement and allow the neighborhood to end its constant vigilance against odor, noise, trash, potential water pollution, potential air pollution, reduced property values and the persistent threats of expansion. The landfill should be relocated to a place with lower population density at the end of Phase IV with no further expansions.
- c. The neighbors are justifiably concerned that the Region 2000 Services Authority will continue to seek to expand the landfill on the land purchased as the “Bennett property” in small increments with a stated (but not intended) close date always X+ years out.

**4. The landfill is located too close to the Lynchburg Regional Airport to be safe from the danger of airborne vectors (e.g. buzzards and gulls).**

- a. The FAA rules state:
  - i. In FAA documentation, AC No. 150/5200-33B:
    1. Buzzards are listed as the number 2 species group ranked hazardous to aircraft.
    2. “The Environmental Protection Agency (EPA) requires any MSWLF operator proposing a new or expanded waste disposal operation within 5 statute miles of a runway end to notify the appropriate FAA Regional Airports Division Office and the airport operator of the proposal (40 CFR 258, *Criteria for Municipal Solid Waste Landfills*, Section 258.10, *Airport Safety*). When new or expanded MSWLF are being proposed near airports, MSWLF operators must notify the airport operator and the FAA of the proposal as early as possible pursuant to 40 CFR 258.” (p.15)
    3. Subpart B—Location Restrictions § 258.10 Airport safety. (b) Owners or operators proposing to site new MSWLF units and lateral expansions within a five-mile radius of any airport runway end used by turbojet or piston-type aircraft must notify the affected airport and the Federal Aviation Administration (FAA). (c) The owner or operator must place the demonstration in paragraph (a) of this section in the operating record and notify the State Director that it has been placed in the operating record. (d) For purposes of this section: (1) Airport means public-use airport open to the public without prior permission and without restrictions within the physical capacities of available facilities. (2) Bird hazard means an increase in the likelihood of bird/aircraft collisions that may cause damage to the aircraft or injury to its occupants. (from the Code of Federal Regulations <http://www.gpo.gov/fdsys/pkg/CFR-2012-title40-vol26/xml/CFR-2012-title40-vol26-part258.xml#seqnum258.10>)
  - ii. At the public hearing the representative Lynn Klappich from Draper Aden Associates indicated that no approval of the landfill expansion had been secured from the FAA nor the Lynchburg Regional Airport.
    1. Proceeding without this is extremely risky and places a great risk of liability on the landfill management.

- iii. In a telephone communication on 4/29/15 with the FAA Regional Safety and Standards Office in New York City, the official confirmed to A. Doyle that no letters of notification about the intent to expand the Landfill on Livestock Road had been received.
  - 1. After the FAA receives a letter from a landfill administrator, the FAA assigns a “case number” and issues a Letter of Determination in reply. Neither of these actions has been taken as they have no record of notification from the Region 2000 Services Authority.
  - 2. The FAA encourages the local municipal airport to work with any facility to mitigate wildlife dangers through their safety plans.
- iv. In a telephone conversation on 4/29/15, the Director of the Lynchburg Regional Airport, Mark Courtney expressed concerns to A. Doyle about the possibility of wildlife (especially buzzards and gulls) at the landfill interfering with aircraft safety. He did acknowledge that he reports to City of Lynchburg Administrator and Region 2000 Services Authority Board Chair, Kimmel Payne. Concerned Citizens ask: Can the airport director voice safety issues if that opinion is in conflict with financial and operational pressures of another division under the watch of his manager?
- b. The Virginia Department of Aviation is the designated state agency to review and comment on all DEQ solid waste permit applications as well as all requests to expand landfills, such as with the lateral expansion of the landfill on Livestock Road. In a telephone conversation with A. Doyle on 4/30/15, the representative in Richmond reported that no requests to review solid waste permits for landfill expansion had been received related to the landfill on Livestock Road.
- c. Kettles of 50 to 100+ airborne buzzards present considerable risk to aircraft. Please refer to photo posted online: <https://morewastematters.files.wordpress.com/2015/04/buzzards-at-landfill.jpg>
- d. Must there be a horrific accident before action is taken?

**5. A person who represents the neighbors of the landfill should be on the Region 2000 Services Authority Board.**

- a. The Board is comprised of the administrators of each of the participating counties, each with one vote. There is no way for the county hosting the landfill to object to decisions of the board and hope to “win” in a vote that serves each of the non-hosting counties but not the hosting county.
- b. The elected governing body of the hosting county has no voice or authority in the operations of the landfill despite its possible impact on citizens. (The membership agreement was not readily available online for review.)
- c. The Services Authority should support community involvement in its decisions. There are various alternatives:
  - i. Include someone to represent the neighbors of the landfill on the Services Authority Board. That member should be fully informed of all decisions and have full voting authority.
  - ii. A Neighbor Action Group could be formed to pose and address questions.

**6. The chance of conflict of interest from the receipt of “hosting fees,” i.e. that there is a financial incentive to the participating counties to continue the relationship with the Region 2000 Services Authority, is significant.**

- a. Who protects the citizens from the negative impacts of the landfill when the landfill operators, the City and Campbell County make money (and Nelson and Appomattox Counties save money) from its continuation? For example, odors from the disposal of sludge are of great concern to neighbors but due to financial incentives viable alternatives are disregarded.
  - i. Sludge from Lynchburg could be handled cheaper by other methods but to keep the county revenues up, it continues to be landfilled.
    - 1. The Region 2000 Services Authority Board minutes from October 24, 2012 document that the City informed the Board that it was considering alternative sludge disposal options that would save the City money so the City was seeking a discount for sludge disposal. A consequence of the City not paying to landfill the sludge would be higher tipping fees for all--“if the sludge is not landfilled, the member costs will rise.” The minutes do not report any action taken so the sludge continues to be landfilled.

**7. Relying on regulations of the DEQ to protect citizens is ill founded.**

- a. If the Region 2000 Services Authority follows the rules and regulations of the DEQ for wetlands and solid waste, the DEQ will approve their requests for permits. The DEQ provides no input or feedback on the quality of life of the citizens affected by the landfill or of the impact of the landfill on the plans of the county, though they will keep records of the number of complaints received.
  - i. Documentation of issues wins over resolution of complaints. A review of the DEQ Inspection Reports indicate that even when issues are identified (e.g. odor complaints), any action of the landfill staff despite its failure to resolve the issue is deemed satisfactory.
    - 1. <https://morewastematters.wordpress.com/2015/05/01/deq-inspection-reports-for-2014-and-2015-to-date/>
    - 2. “In response to odor complaints and landfill staff is investigating complaints the facility and its engineering consultant are reviewing the facility’s odor management plan...and meeting with affected residents” is the statement that appears repeatedly in the reports.
    - 3. Other action steps taken do not result in alleviation of the odor/stench issue.
    - 4. How long will the DEQ allow the odors to persist even if the landfill staff makes attempts at resolving them? For residents, the measure of success is measured by the lack of stench, not failed efforts.

**8. The Campbell County Board of Supervisors has not been informed of the full impact of the landfill on its neighbors.**

- a. Documents suggest that the lateral expansion was described briefly and documents were signed by administrators without discussion or action by the Campbell County Board of Supervisors or the public.
  - i. Memo from Clifton Tweedy to David Laurell dated 1/13/14: [http://www.co.campbell.va.us/bos/Documents/board\\_agendas/2014/2014.02.04/II%2004%20-%20Regional%20Services%20Authority%20Zoning%20Agenda-Form%20Doc.pdf](http://www.co.campbell.va.us/bos/Documents/board_agendas/2014/2014.02.04/II%2004%20-%20Regional%20Services%20Authority%20Zoning%20Agenda-Form%20Doc.pdf)
  - ii. The lateral expansion of the 6-acre area between Phases III and IV was introduced to the Board of Supervisors at their meeting on October 7, 2014, along with the plans to expand into 206 acres of the to-be-purchased Bennett property. The two community meetings to be held the next two weeks (October 14 and 21) were also announced. No mention was recorded in the minutes of discussion of the impact of these expansions on the quality of life of the neighbors or the county.

**9. While the Board of Supervisors has very little opportunity to intervene in the management of the landfill, it could protect the community through the powers vested in it to refuse all future permits or rezoning.**

- a. The Board of Supervisors could deny any further expansion of the existing landfill site by refusing to rezone the (former) Bennett property (and possibly other land around the area) to business/industrial and not approving special permits in perpetuity.
- b. With additional time before any action is taken on expansion of the landfill on Livestock Road, the Campbell County Board of Supervisors can be contacted and encouraged to act on this proposal.

**10. Each of the landfill-related issues raised by neighbors and concerned citizens is treated as new by the Region 2000 Services Authority when, in fact, there is considerable experience with landfill issues and their management in this area and around the country.**

- a. E.g. given that much is known about what is put into the landfill, the composition of gases is very, very likely to be predictable. Why waste resources (i.e. money) and time (i.e. quality of life) testing to find out what is very likely known? And why waste resources (i.e. money) and time (i.e. quality of life) trying “fixes” like deodorants and covers that have been tried and failed by these operators?
- b. How can we be sure that the best options for neighbors and the area are being implemented at the Livestock Road facility in a timely manner?
- c. Is income for the partner counties and not quality of life for neighboring residents the measure of success?

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## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:18 AM  
**To:** Lynn Klappich  
**Subject:** FW: Opposition to the Lateral Expansion

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:17 AM  
**To:** 'Jon Hardie'  
**Subject:** RE: Opposition to the Lateral Expansion

Thank you for your comments presented at the public hearing held on April 22, 2015 and/or submitted as part of the 30 day public comment period in regards to the major amendment to the Region 2000 Solid Waste Management Plan. This amendment addresses the withdrawal of the City/Town of Bedford from the region and the Permit 610 lateral expansion (the fill area between permitted Phase III and IV of the existing and operating landfill). As required by the Virginia Solid Waste Planning Regulations, 9VAC20-130-130.B a record of the public hearing, a copy of all written comments and this response to the comments will be submitted to the Virginia Department of Environmental Quality (VDEQ) when the plan is submitted. Submittal will not be completed until the Region 2000 Services Authority approves the amendment by resolution.

Please note that the Virginia Department of Environmental Quality is in the process of preparing a draft permit for the Permit 610 lateral expansion. Once completed, a 30 day public comment period will be advertised by VDEQ and a public hearing held to receive comments on the technical design aspects of the project. A schedule for this public comment period has not yet been established by VDEQ.

With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

**From:** Jon Hardie [<mailto:jonhardie5@gmail.com>]  
**Sent:** Saturday, May 02, 2015 6:42 AM  
**To:** SWMPcomments  
**Cc:** Rogers, Frank J. IV; [scarter@nelsoncounty.org](mailto:scarter@nelsoncounty.org); [kpayne@lynchburgva.gov](mailto:kpayne@lynchburgva.gov); [aileen.ferguson@appomattoxcountyva.gov](mailto:aileen.ferguson@appomattoxcountyva.gov); Clarke Gibson; Anne Doyle  
**Subject:** Opposition to the Lateral Expansion

Region 2000 Services Authority,

Please review my letter concerning the lateral expansion of the Regional Landfill located at Livestock Road in Rustburg, VA. I submitted a copy personally at your public hearing.

I would also like to formally request a copy of the electronic recording(voice) of the Region 2000 Public Hearing on April 22, 2015, I am aware it was recorded electronically in addition to a copy in writing. Please include the entirety of the Question and Answer time with the public toward the end of the hearing which was still in open session. The Question and Answer time and the details shared by Region 2000 and local citizens was much appreciated and I would like to review the information during this part of the hearing. I would be happy to pick up these items from your office when ready. Please contact me when they are available.

Finally, I would like to request time for citizen comment at the upcoming May 13, 2015 Region 2000 Services Authority Board Meeting. Please let me know at what point on the agenda public comment will be accepted prior to arrival.

Sincerely,  
Jon Hardie  
Campbell County Citizen  
601 Calohan Rd.  
Rustburg, VA 24588

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## Lynn Klappich

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**From:** SWMPcomments <SWMPcomments@region2000.org>  
**Sent:** Tuesday, May 12, 2015 9:18 AM  
**To:** Lynn Klappich  
**Subject:** FW: Letter Opposing Six Acre Expansion

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**From:** SWMPcomments  
**Sent:** Tuesday, May 12, 2015 9:17 AM  
**To:** 'Nina Thomas'  
**Subject:** RE: Letter Opposing Six Acre Expansion

Thank you for your comments presented at the public hearing held on April 22, 2015 and/or submitted as part of the 30 day public comment period in regards to the major amendment to the Region 2000 Solid Waste Management Plan. This amendment addresses the withdrawal of the City/Town of Bedford from the region and the Permit 610 lateral expansion (the fill area between permitted Phase III and IV of the existing and operating landfill). As required by the Virginia Solid Waste Planning Regulations, 9VAC20-130-130.B a record of the public hearing, a copy of all written comments and this response to the comments will be submitted to the Virginia Department of Environmental Quality (VDEQ) when the plan is submitted. Submittal will not be completed until the Region 2000 Services Authority approves the amendment by resolution.

Please note that the Virginia Department of Environmental Quality is in the process of preparing a draft permit for the Permit 610 lateral expansion. Once completed, a 30 day public comment period will be advertised by VDEQ and a public hearing held to receive comments on the technical design aspects of the project. A schedule for this public comment period has not yet been established by VDEQ.

With regards,

Clarke W. Gibson, P.E.  
Director  
Region 2000 Services Authority

**From:** Nina Thomas [<mailto:ninaandbick@gmail.com>]  
**Sent:** Sunday, May 03, 2015 1:32 PM  
**To:** SWMPcomments  
**Subject:** Letter Opposing Six Acre Expansion

Attached is a letter from Robert L. Thomas concerning opposition to landfill expansion.

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# Region 2000 Services Authority

## Region 2000 Services Authority Meeting Livestock Road Landfill May 13, 2015

2:00 p.m.

### Minutes

#### **Board Members Present**

Steve Carter ..... Nelson County  
Kim Payne ..... City of Lynchburg  
Frank Rogers ..... Campbell County  
John Spencer (for Aileen Ferguson) ..... Appomattox County

#### **Others**

Robert Arthur ..... Region 2000  
Don Barnett ..... Campbell County Resident  
Emmie Boley ..... Region 2000  
Bill Carwile ..... Campbell County Resident  
Gary Christie ..... Region 2000  
Susan Cook ..... Region 2000  
Robert Day ..... Campbell County Resident  
Chip Dennis ..... Campbell County Resident  
Bob Dick ..... SCS Engineers  
Aziz Farahazard ..... DEQ  
Clarke Gibson ..... Region 2000  
Larry Hall ..... Region 2000  
Jon Hardie ..... Campbell County Resident  
Gaynelle Hart ..... City of Lynchburg  
Bill Hefty ..... Hefty, Wiley, & Gore  
Chris Keehan ..... DEQ  
Hyunjin Michelle Kim ..... Campbell County Resident  
Taeseong Kim ..... Campbell County Resident  
Lynn Klappich ..... Draper Aden  
Candy McGarry ..... Nelson County  
Rosalie Majerus ..... Region 2000  
Jason Reuter ..... News & Advance  
Joshua Spence ..... Campbell County Resident  
Robert & Nina Thompson ..... Campbell County Residents  
Clif Tweedy ..... Campbell County  
Carl Weiser ..... Campbell County Resident  
Felicia West ..... Region 2000



## **1. Welcome**

Chairman Kim Payne welcomed everyone and opened the meeting at 2:00 p.m.

## **2. Opportunity for Public Comment**

Mr. Payne began the meeting with a Public Comment period.

Jon Hardie spoke of the failure to discuss a property protection plan for homes directly impacted by the landfill. He stated that residents are living with the negative impacts of odors, which are affecting their quality of life and property value, and formally requested that a property protection plan become a priority for the Services Authority. He urged Authority Board members to listen to the citizens who spoke at the public hearing, none being in favor of the lateral expansion.

Don Barnett stated that according to airport safety regulations, Region 2000 was required to notify the FAA of the proposed lateral expansion, but did not. Also, a letter of May 5, 2015 ignores the section of airport regulations that addresses the definition of bird hazard, meaning an increase in the likelihood of bird/aircraft collisions that may cause damage to the aircraft or injury to its occupants. As long as the Livestock Road landfill is operated, it will be a bird attractant and flights into and out of Lynchburg Regional will be adversely affected.

Taeseong Kim commented that he notices the odor from the landfill more than ever, and worries about significant health issues in the future. Studies have linked excessive numbers of prostate, bladder, and lung cancer to landfills.

Nina Thomas asked about the possibility of burning methane for fuel, rather than releasing it into the air.

## **3. Approval of the April 22nd Meeting Minutes**

A correction to the April minutes was noted, in reference to the approval of the reimbursement resolution.

A motion was made by Steve Carter, and seconded by John Spencer, to approve the minutes as corrected. The motion carried unanimously.

Frank Rogers made the motion to approve the minutes of the public hearing held on April 22nd and acceptance of the comments received. The motion was seconded by John Spencer, and approved unanimously.

## **4. Financial Report**

- a) Year-to-Date – Rosalie Majerus reported that the number presented in April for diesel has been corrected, bringing it back to the actual number. This is the only

change to the actuals. It did impact the cost of service because the expenses have been reduced.

- b) Discussion of Assignment of Excess Revenues (Host Fee) – Steve Carter had provided Board members information about the excess revenue issue. He asked that the Authority take a close look at this material and explore the validity of the excess revenue moving forward. He added that he would not be comfortable approving the FY 16 budget until this item could be discussed. Mr. Payne explained that the excess revenue could be addressed at a later date, as it wouldn't be distributed for another 14 months, at the end of the next fiscal year. Clarke Gibson responded, saying that this has been discussed with Draper Aden and Burns & McDonnell, and each issue presented by Mr. Carter will be looked at. He added that they would like to come back to a more detailed discussion. Kim Payne added that another issue addressed by Mr. Carter is a discussion of long range strategic planning for the Region's Solid Waste Management. He felt that this could be discussed at the same time as the excess revenue. At this time he stated that they would need to review original reports and the agreement going back to the beginning of the Services Authority.
- c) Approval of Proposed FY16 Budget – Clarke Gibson reported that there is no change in tipping fees. Member rate remains at \$28.75/ton, and business at \$38.75/ton. The contract rate will increase \$2.00/ton, to \$38.00/ton.

John Spencer made a motion, seconded by Steve Carter, to approve the FY 16 Budget in the amount of \$7,204,632. The motion was approved unanimously.

## **5. Analysis of FAA Regulations**

Lynn Klappich explained that landfill rules were promulgated by the EPA, which are the prevailing regulations. However, the Authority is bound to look at the state regulations, which have to be equal to or more stringent than the EPA. Upon reviewing all regulations pertaining to the Services Authority, Lynn explained that within a section titled Limitation on Applicability it states that previous restrictions "shall not apply to the construction, establishment, expansion, or modification of, or to any other activity undertaken with respect to a municipal solid waste landfill if the construction or establishment of the landfill was commenced on or before the date of the enactment of this subsection, which is April 5, 2000." Lynn reminded the Authority that this landfill was originally permitted in the 70's, and the permit amendment was in the 90's. Therefore, looking at the restrictions in this light, we are not a new landfill and even as a modification, based on this federal code, the Authority is exempt from the six mile radius at this point. When DEQ issues the draft permit, they will notify the Virginia Dept. of Aviation. Our regulations do not require the owner of a landfill to do this. Ms. Klappich reported that they have notified the airport, and notified the FAA. The DEQ will notify the Virginia Dept. of Aviation when the draft permit is issued.

Ms. Klappich advised that everything that is required from a regulatory perspective has been met, and we are now in a holding pattern to see if any comments are received.

When questioned whether or not expansion onto the Bennett property would fall under these regulations, Ms. Klappich answered that she was told it would open up a different conversation.

As to allegations that Region 2000 is operating the landfill illegally in respect to FAA regulations, Ms. Klappich responded that she is not seeing that.

## **6. Update on Odor Control Contracts**

At the last Board meeting, authorization was given to move forward with an odor investigation and mitigation pilot study. Bob Dick, with SCS Engineering, gave a progress report and status update on three major themes which are:

- 1) Odor Investigation
- 2) Landfill gas pump test pilot study
- 3) Odor product demonstration

Mr. Dick reported that the most immediate and likely to produce relief from malodors circumstances on and around the landfill is the collection and treatment of the landfill gas from the leachate cleanout. They are working with the Authority to assist with a fast-track approach to install this. Construction is scheduled for the beginning June. He will continue to look at the odor product demonstrations, and closed by stating that a mandatory gas collection system under either the Clean Air Act or the Solid Waste Regulations is not required at this time.

Kim Payne acknowledged that one week's monitoring may not be adequate to understand what could happen in the variability of incidence of odor, and may require monitoring over a longer period of time. He also advised that the City of Lynchburg is issuing an RFP, on behalf of the wastewater treatment plant, for land application of sludge up to 100% of the sludge.

## **7. Status of Lateral Expansion – DEQ – Permitting**

Mr. Gibson reported that the permit application was submitted a little less than one year ago, and it has been reviewed by the DEQ. They have responded with several technical review comments. Draper Aden has answered those comments and resubmitted the application to the DEQ. DEQ has reviewed the response and issued a letter stating the permit application is technically adequate. The next step for the lateral expansion approval is for the Solid Waste Management Plan to be approved. DEQ will complete the draft permit and open a public comment period, probably in June or July. They will also hold a public hearing on the draft permit.

## **8. Vote on Amendment to the 2015 Solid Waste Management Plan**

Kim Payne reminded the Board members that the resolution for major amendments to the Region 2000 Solid Waste Management Plan addresses the reversion of the City of Bedford to a town and withdrawal from the Services Authority, and approval of the lateral expansion.

Steve Carter made the motion to approve the resolution for major amendments to the Region 2000 Solid Waste Management Plan. A second was made by John Spencer.

The vote was as follows:

Kim Payne	Aye
John Spencer	Aye
Steve Carter	Aye
Frank Rogers	Aye

The motion carried unanimously.

#### **9. Purchase of Wetland Mitigation Credits**

Clarke Gibson reported that in order to permit the lateral expansion the Authority has to obtain a Wetland Mitigation Permit for a small area of wetlands totaling about ½ acre. The permit was received from the DEQ on February 19, 2015. The condition of this permit is that the Authority purchase Wetland Mitigation credits from a Wetland Mitigation Bank. He has received proposals for this purchase from three different banks. The low bid was from Elk Island Bank Manager, totaling \$27,300.

The motion was made by Steve Carter, and seconded by John Spencer, to authorize staff to purchase the Wetland Mitigation credits, contingent on receiving the permit from DEQ to proceed. The motion carried unanimously.

#### **10. Discussion regarding Long Term Strategic Planning for Regional Solid Waste Management**

Kim Payne commented that the Authority Board needs to sit down to discuss longer term strategic issues related to the operations of the landfill here, and also for planning for regional solid waste management. Issues on his mind included consideration of a property protection plan, consideration of establishing a regional recycling program, discussion regarding a clear understanding of what it would take in terms of a time line and cost to locate and develop a new landfill site, preliminary discussion regarding potential for other localities to host a landfill, discussion on the consequences of no longer taking sludge at the landfill, and other solid waste management approaches. Also included would be discussion regarding excess revenue.

Frank Rogers endorsed the concept as a plan of action, and Kim Payne asked Clarke Gibson and Gary Christie to schedule a meeting in the next month or two.

#### **11. Other Business**

Frank Rogers expressed his gratitude to his constituents for sharing their concerns with him.

## **12. Election of Officers for FY 16**

The proposed slate of officers for FY 16 was presented:

Proposed FY16 officers:

- Kim Payne, Chair
- Frank Rogers, Vice Chair
- Steve Carter, Treasurer
- Gary Christie, Secretary

The motion was made by John Spencer, with a second by Frank Rogers, to approve the FY 16 officers as presented, with Steve Carter's term as Treasurer effective May 13, 2015. The motion was approved unanimously.

## **13. Information Items**

There being no further business, the meeting adjourned at 3:30 p.m.

The next meeting was set for July 22nd at 2:00 p.m., at the Livestock Road Landfill.

---

Approved

---

Date





**RESOLUTION FOR MAJOR AMENDMENTS TO THE  
REGION 2000 SERVICES AUTHORITY SOLID WASTE  
MANAGEMENT PLAN**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment 1 as 9VAC20-130-10 et seq., effective date August 1, 2001 and Amendment 2 effective date November 29, 2007", and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Appomattox, Campbell, and Nelson and their respective towns and the City of Lynchburg, with the Town of Bedford (formerly the City of Bedford) having duly withdrawn from the Region as of July 1, 2013, and

**WHEREAS**, the Region 2000 Services Authority has been approved by its members to oversee the Region 2000 Planning Region (defined as the solid waste planning unit under 9VAC20-130-10), and

**WHEREAS**, the Region 2000 Services Authority filed the regional solid waste management plan on behalf of the Region with said plan duly approved by the Virginia Department of Environmental Quality on April 29, 2010, and

**WHEREAS**, during its planning for disposal capacity for the 20 year planning period, the Region 2000 Service Authority embarked on the design and permitting of a lateral expansion located within the Permit 610 permitted landfill facility boundary between two permitted phases, and

**WHEREAS**, Campbell County has provided the local government certification that the lateral expansion meets all local ordinances with said certification dated May 5, 2014, and

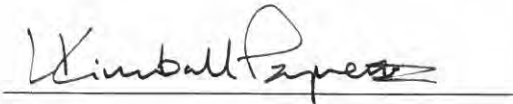
**WHEREAS**, the increase afforded by this lateral expansion constitutes a major amendment to the approved regional solid waste management plan, and

**WHEREAS**, the Town of Bedford (formerly the City of Bedford) has withdrawn as a member of the Region 2000 Services Authority and a major amendment is necessary to remove the Town from the list of localities in the solid waste planning unit; and

**WHEREAS**, the Region 2000 Services Authority has provided time for the public to review and comment on the major amendments at its offices and in a location in Campbell County and held a public hearing relative to this major amendments on April 22, 2015 with hearing duly advertised on March 30, 2015 and April 6, 2015, and

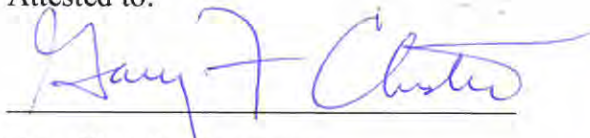
**NOW, THEREFORE, BE IT RESOLVED**, that the Region 2000 Services Authority Board of Directors has reviewed the major amendments and addressed the amendments at their meeting in special session on May 13, 2015 and hereby approves the major amendments delineated above to the regional solid waste management plan and authorizes their submittal to the Virginia Department of Environmental Quality.

**ADOPTED** this 13th day of MAY, 2015

A handwritten signature in black ink, appearing to read "Kimball Payne", written over a horizontal line.

Kim Payne, *Chair*  
Region 2000 Services Authority

Attested to:

A handwritten signature in blue ink, appearing to read "Gary Christie", written over a horizontal line.

Gary Christie, *Secretary*  
Region 2000 Services Authority





# 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](http://www.deq.virginia.gov)

Molly Joseph Ward  
Secretary of Natural Resources

David K. Paylor  
Director

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

March 24, 2015

Ms. Lynn Klappich  
Draper Aden Associates  
2206 South Main Street  
Blacksburg, VA 24060

Re: Region 2000 Solid Waste Management Plan (SWMP)

Dear Ms. Klappich:

This letter is in response to questions raised in your March 16<sup>th</sup> email about the required submittals that must accompany Region 2000 Solid Waste Management Plan (SWMP) amendment. Based upon the information provided to the Department, a major plan amendment is required for addressing withdrawal of the City of Bedford from the Region 2000 and also an increase in landfill capacity.

Per 9VAC20-130-220, amending the solid waste planning unit boundaries requires each locality of Region 2000 submit a letter acknowledging the change in the boundary.

The other inquiry in your e-mail is related to the required resolutions from each locality for amending the SWMP. Per your email, the Region 2000 Authority Board is made up of appointed leaders for the members of the planning unit, and they are vested with the authority to act on behalf of their localities. In this case, we concur with your analysis that the Authority Board could approve vote and approve a proposed plan modification and submit the amendments to the SWMP to DEQ.

The amended plan submittal shall include the public participation information required per 9VAC20-130-130.B., of the SWMP regulations.

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.

If you have any questions, please contact Steve Coe at 804-698-4029 or via email at [steve.coe@deq.virginia.gov](mailto:steve.coe@deq.virginia.gov).

Sincerely,

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

Sanjay Thirunagari, Program Manager  
Division of Land Protection & Revitalization

Cc: Steve Coe – DEQ CO; DEQ RO

**APPENDIX 15-15**

**EXISTING SYSTEM COMPONENTS**

**TABLE 5.1 UPDATED**

**Existing Solid Waste System (2015 Update)**

**Table 5-1**

**Components of the Solid Waste System**

**Major Plan Components**

Locality	
Appomattox County	<b>Original Disposal Site - Now closed - Permit 086</b>
	<ul style="list-style-type: none"> <li>Landfill Name: Appomattox County Sanitary Landfill</li> <li>Year Established: February 12, 1973</li> <li>Unit Status: Cells A-G closed and under post closure care. Groundwater monitoring terminated</li> <li>Unit Status: Cell I (final cell) capped in October 2009 and certified as closed. Entered into post closure care for 30 years.</li> <li>Unit Status: Cells J-K permitted by DEQ and development put on hold; Not part of Region 2000 capacity</li> <li>Other County Operations: The following operations are being maintained at the closed landfill site: wood waste, yard waste and brush collection and grinding; scrap metal collection and recycling; Emanuel Tire- tire processing under PBR 547; recycling center.</li> </ul>
	<b>Current Disposal Site</b>
	<ul style="list-style-type: none"> <li>County directs waste to the Region 2000 Services Authority Landfill at Livestock Road, Rustburg VA</li> </ul>
	<b>Residential Solid Waste</b>
	<ul style="list-style-type: none"> <li>County collection - Citizens self haul to 7 convenience centers; County contracts hauling from convenience centers to the Regional landfill. Some citizens contract directly for private collection.</li> <li>Town of Pamplin - residential collection by private hauler, curbside 1/week; citizens can self haul to convenience centers</li> <li>Town of Appomattox - residential collection by private company; curbside 1/week; citizens can self haul to convenience centers</li> </ul>
	<b>Commercial Solid Waste</b>
	<ul style="list-style-type: none"> <li>Businesses and industries: Self haul to Regional landfill or contract with private hauler</li> </ul>
	<b>Residential Recycling</b>
	<ul style="list-style-type: none"> <li>Program Description: Drop off at convenience centers</li> <li>Materials Collected: Cardboard, Mixed paper, scrap metal, plastic, wood waste, electronics, aluminum, grocery bags and textiles.</li> <li>Processing Facility: County processes cardboard, mixed paper and plastics at recycling facility; scrap metal is stockpiled at the landfill site and then collected by private company; wood waste is stockpiled and ground; electronics are stockpiled then sent to a private company. Textiles are collected by a private company at each of the convenience sites</li> </ul>
	<b>Commercial Recycling</b>
	<ul style="list-style-type: none"> <li>Program Description: County has placed boxes for cardboard collection at 10 + businesses in the County. Businesses can also use the drop off facilities at the convenience centers or bring recyclable materials to the recycling facility. In addition, many businesses contract directly for recycling.</li> <li>Materials Collected: Cardboard, mixed paper, plastics, metals, wood and wastes</li> </ul>
	<b>Yard Waste</b>
	<ul style="list-style-type: none"> <li>Program Description: Material collected at closed landfill for chipping. Given to residents for free.</li> <li>Materials Collected: Leaves, grass clippings, brush and tree trimmings</li> </ul>
	<b>Bulky Items (Not white goods)</b>
	<ul style="list-style-type: none"> <li>Program Description: Material dropped off at convenience centers then hauled to Regional Landfill;</li> <li>Processing Facility: Not processed but sent to Regional Landfill. In the future, the County may establish a reuse site to collect useful materials for the public to use.</li> </ul>



Existing Solid Waste System (2015 Update)

Table 5-1

Components of the Solid Waste System

Locality	Major Plan Components
	<ul style="list-style-type: none"> <li>Materials Collected: Furniture, demolition materials etc.</li> </ul>
	<b>Bulky Items (white goods)</b>
	<ul style="list-style-type: none"> <li>Program Description : Materials dropped off at convenience centers then hauled by County to closed landfill to scrap metal pile;</li> </ul>
	<ul style="list-style-type: none"> <li>Processing Facility: Stockpiled then collected by private company for recycling</li> </ul>
	<ul style="list-style-type: none"> <li>Materials Collected: White goods (Stoves, washers, dryers, freezers, refrigerators)</li> </ul>

**Existing Solid Waste System (2015 Update)**

**Table 5-1**

**Components of the Solid Waste System**

Locality	Major Plan Components
<b>Campbell County</b>	<p><b>Original Disposal Site - Now closed</b></p> <ul style="list-style-type: none"> <li>Landfill Name: Campbell County Sanitary Landfill - Permit 285</li> <li>Year Established : October 26, 1979</li> <li>Current status: facility is closed and undergoing corrective action for groundwater problems. In Post Closure Care. County handles all activities relative to these programs.</li> <li>Sold remainder of permit landfill to Region 2000 Services Authority in FY 2009. This section of the landfill was repermited as Permit 610 with the Authority as owner and operator.</li> </ul> <p><b>Current Disposal Site</b></p> <ul style="list-style-type: none"> <li>County directs waste to the Region 2000 Services Authority Landfill at Livestock Road, Rustburg VA</li> </ul> <p><b>Residential Solid Waste</b></p> <ul style="list-style-type: none"> <li>Collection: In County - Private Haulers or self-haul to one of nine convenience centers. In Towns of Altavista &amp; Brookneal - Curbside; Waste directed to Region 2000 landfill.</li> <li>Collection Frequency: Within County- Citizens with private collection - Once per week or Residents may drop off at one of nine convenience centers. Towns of Altavista &amp; Brookneal- Once per week.</li> <li>Drop-off Centers: County residents may utilize one of nine convenience centers operated by County.</li> </ul> <p><b>Commercial Solid Waste</b></p> <ul style="list-style-type: none"> <li>Collection: Private Haulers for customers within Campbell County. Town of Brookneal and Town of Altavista provide limited collection. Waste directed to Region 2000 landfill.</li> </ul> <p><b>Residential Recycling</b></p> <ul style="list-style-type: none"> <li>Program Description: Drop-off at convenience centers (4 sites) or private haulers will collect.</li> <li>Materials Collected: newspaper and newspaper inserts, paper products, metal, bi-metal, aluminum, wood waste, waste tires, used oil, batteries and electronics</li> </ul> <p><b>Commercial Recycling</b></p> <ul style="list-style-type: none"> <li>Program Description: Drop-off to convenience centers and some private haulers will collect.</li> <li>Who Collects: Self hauled or private collection.</li> </ul> <p><b>Yard Waste</b></p> <ul style="list-style-type: none"> <li>Program Description: County Residents- Drop-off and chipped at County convenience center at Livestock Road.</li> <li>Town of Altavista- collected curbside and brought to County collection sitel. Town of Brookneal- Collected curbside and kept with Town.</li> <li>Processing Facility: County processes at convenience center at Livestock Road. Materials chipped on site and collected by private company for off-site use (boilers at this time).</li> <li>Materials Collected: Leaves and grass clippings, trees, and brush trimmings.</li> </ul> <p><b>Bulky Items</b></p> <ul style="list-style-type: none"> <li>Program Description: County- Drop-off only at convenience center at Livestock Road. Town of Altavista- curbside. Town of Brookneal - curbside</li> <li>Processing Facility: Dropped off at Livestock Road Convenience Center.</li> <li>Materials Collected: Tires and white goods recycling and scrap metal recycling. Freon removed.</li> </ul>

**Existing Solid Waste System (2015 Update)**

**Table 5-1**

**Components of the Solid Waste System**

Locality	Major Plan Components
Nelson County	<b><u>Disposal and Transfer</u></b>
	• Nelson County landfill closed and undergoing post closure care.
	• Transfer Station: Nelson County Transfer Station - PBR 051
	• Year Established: 1994
	• Materials Accepted: Household waste, C&D & commercial waste, recycling
	• County has waste transported to Region 2000 Services Authority Landfill.
	<b><u>Residential Solid Waste</u></b>
	• Collection: Private haulers & self-delivery to transfer station and convenience centers.
	• Convenience Centers: County operates 5 staffed convenience centers, 4 unstaffed public centers and three unstaffed school sites.
	<b><u>Commercial Solid Waste</u></b>
	• Who collects: Private haulers or self-delivery to transfer station.
	<b><u>Residential Recycling</u></b>
	• Program Description: Self-haul to convenience centers or transfer station.
	• Materials Collected: Mixed paper, cardboard, plastics and metals
	• Processing Facility: Hauled to private facility for processing.
	<b><u>Commercial Recycling</u></b>
	• Program Description: Private Haulers & self-haul to transfer station or processing facility. Not a County program.
	<b><u>Yard Waste</u></b>
	• Program Description: Self drop-off and commercial haul
	• Processing Facility: Transfer Station and one private stump-grinding facility
	• Materials Collected: Grass, leaves and limbs at Transfer Station; stumps and tree trunks at private facility.
	<b><u>Bulky Items</u></b>
	• Program Description: Drop-off at transfer station or convenience centers.
	• Materials Collected: White goods, furniture, mowers, etc. Materials are either recycled or disposed of in the transfer station for hauling to the regional landfill.

**Existing Solid Waste System (2015 Update)**

**Table 5-1**

**Components of the Solid Waste System**

Locality	Major Plan Components
City of Lynchburg	<b><u>Original Disposal Site - Unlined and lined facilities</u></b>
	• Name : City of Lynchburg Waste Management Landfill - Permit 558
	• Year Established: 1994; undergoing final closure construction FY 2015 through FY 2016.
	• City of Lynchburg landfill divided into two sections. Previously closed unlined landfill and lined landfill. All under same permit. In 2008, the lined landfill was sold to Region 2000 Services Authority and used as regional facility until 2012. Landfill has reached capacity and is undergoing closure. Once certified as closed, landfill will enter 30 year post closure period.
	<b><u>Residential Solid Waste</u></b>
	• Who collects: City curbside, self-haul and private sector; 32 and 64 gallon containers used. Waste directed to Region 2000 Services Authority landfill in Rustburg VA.
	• Collection Frequency: once per week
	• Drop-Off Center: One at the closed landfill on Concord Turnpike.
	<b><u>Commercial Solid Waste</u></b>
	• Who collects: City and private haulers. Waste directed to Region 2000 Services Authority landfill in Rustburg, VA.
	• Type of Service Provided: City and Private. City collects small businesses that choose to utilize city curbside collection program. Refuse placed in city-issued 32 or 64 gallon containers. Private haulers utilize various containers.
	<b><u>Residential Recycling</u></b>
	• Program Description : 8 drop-off centers run by City. City contracts hauling. Also private curbside collection available.
	• Materials Collected: newspaper, mixed paper, OCC, plastics (#1 through #7; no Styrofoam or plastic bags), aluminum and steel cans
	• Processing Facility: City sends recyclables to Sunoco at this time.
	<b><u>Commercial Recycling</u></b>
	• Program Description: Privatized system. City does not sponsor a commercial recycling program. Businesses arrange for their recycling directly.
	<b><u>Yard Waste</u></b>
	• Program Description: curbside collection by City and drop-off by citizens at convenience center at closed landfill.
	• Processing Facility: mulched.
	• Materials Collected: brush, tree limbs, loose leaves.
	<b><u>Bulky Items</u></b>
	• Program Description: curbside and drop-off at convenience center at closed landfill.
	• Processing Facility: Collected materials hauled to private facility.
	• Materials Collected: Household appliances, tires without rims, furniture, mattresses, and trash from residential remodeling and repair operations (if the work is performed by the resident and the proper building permit is displayed)

**APPENDIX 15-16**

**2010 REGIONAL SOLID WASTE MANAGEMENT PLAN**

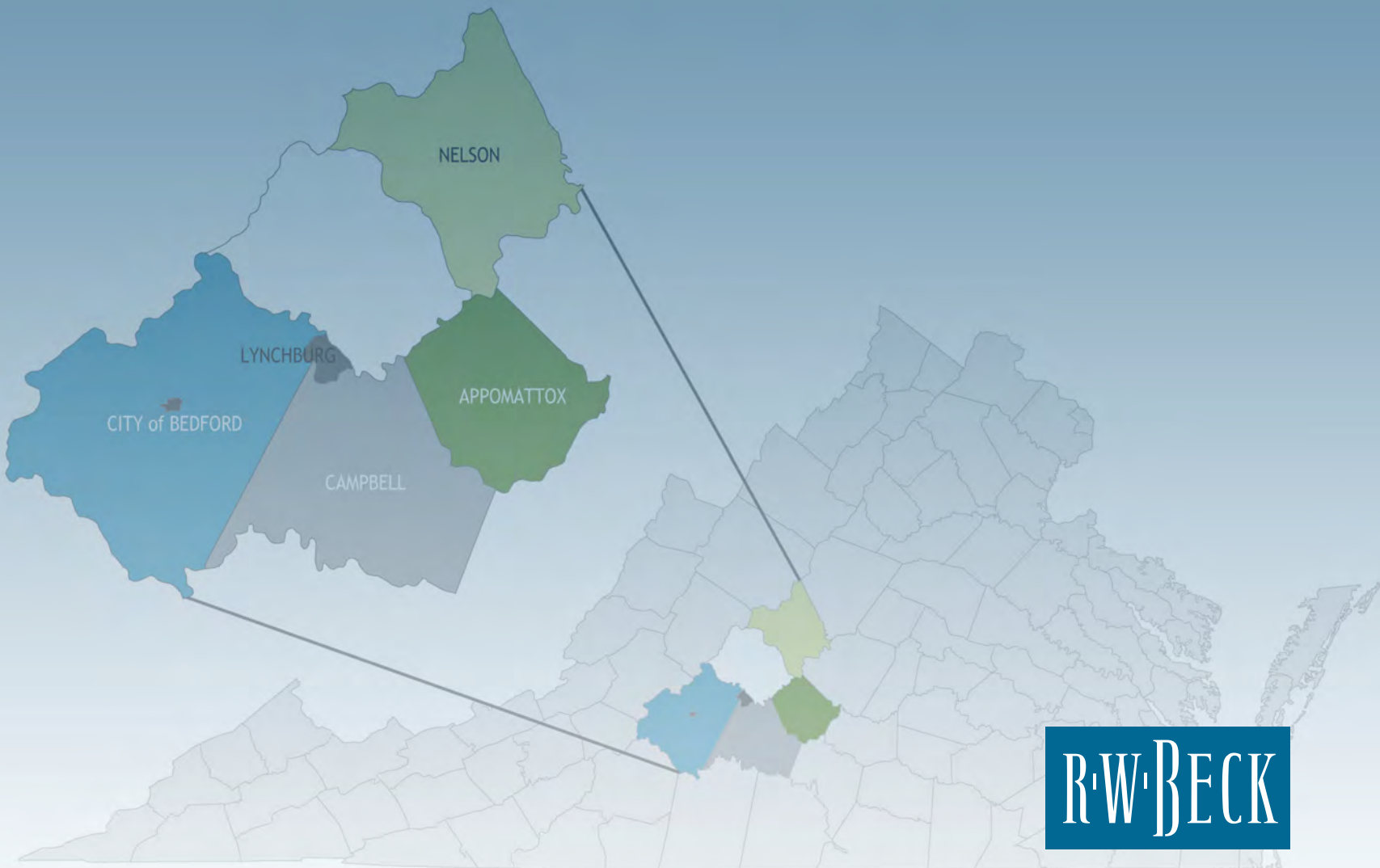


REGION 2000 SERVICES AUTHORITY

# SOLID WASTE MANAGEMENT PLAN

(9 VAC 20-130-10 ET SEQ)

APRIL 2010



An SAIC Company

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R. W. BECK

REGIONAL SOLID WASTE MANAGEMENT PLAN  
Region 2000 Services Authority

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This report has been prepared for the use of the client for the specific purposes identified in the report. The conclusions, observations and recommendations contained herein attributed to R. W. Beck, Inc. (R. W. Beck) constitute the opinions of R. W. Beck. To the extent that statements, information and opinions provided by the client or others have been used in the preparation of this report, R. W. Beck has relied upon the same to be accurate, and for which no assurances are intended and no representations or warranties are made. R. W. Beck makes no certification and gives no assurances except as explicitly set forth in this report.

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# EXECUTIVE SUMMARY

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The Region 2000 Partnership, located in south-central Virginia, is comprised of the following 11 communities:

- Appomattox County;
- Town of Appomattox;
- Amherst County;
- Town of Amherst;
- Campbell County,
- Town of Altavista;
- Town of Brookneal;
- Nelson County;
- City of Lynchburg;
- Bedford County; and
- City of Bedford.

Of these 11 communities, five (Appomattox County, Campbell County, Nelson County, the City of Lynchburg and the City of Bedford) decided to jointly address solid waste management needs by forming a regional solid waste planning unit. As required by Virginia Waste Management Board's Regulations for Solid Waste Management Planning (9 VAC 20-130-180 through 220) any group of communities that form a regional entity to jointly address solid waste management must first be recognized as a region by Virginia DEQ, and secondly prepare a Solid Waste Management Plan (the Plan) to demonstrate to DEQ that the Regional Authority has concisely planed out long-term solid waste collection and disposal needs.

The first Regional Solid Waste Management Plan, prepared by R. W. Beck, Inc. addresses the above mentioned 9 VAC 20-130-10 et. seq. Waste Management Board Regulations for Solid Waste Management Planning. The Plan presents the context for how the five members that currently comprise the Region 2000 Services Authority (the Authority) plan on addressing their solid waste collection and disposal needs and the context in which solid waste management programs occur in the region. The current focus of the member jurisdictions is to develop a regional approach to solid waste management that will result in greater cooperation, decreased cost of providing service to their customers and citizens and better protection of human health and the environment. By working together, the member jurisdictions also recognize that a coordinated regional approach provides an enhanced ability to control costs as environmental regulations continue to tighten and the need exists to provide better and

## **Executive Summary**

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longer range solid waste planning. As partners in the Authority, all five communities will, as of July 1, 2008, combine their regional solid waste disposal needs into one integrated solid waste management system.

The structure of the following solid waste management plan is as follows:

### **Section 1.0 Introduction**

Section 1 provides a brief overview of the relevant Virginia Waste Management Board Solid Waste Management Planning Regulations in addition to the background of the Region 2000 solid waste planning unit and a summary of the region's solid waste goals and objectives.

### **Section 2.0 Background Information**

Section 2 presents information on the status of solid waste management within the United States, focusing on solid waste and recycling generation and disposal and waste composition rates.

### **Section 3.0 Region 2000 Demographic Data**

Section 3 provides a detailed breakout of population, housing, income and other relevant demographic data for the five communities that comprise Region 2000 solid waste planning unit. Information is included on climate, transportation and economic development issues.

### **Section 4.0 Solid Waste Generation and Composition Rates**

Section 4 contains projections and characterization of the future solid waste stream for the area. The section presents information on the regional solid waste generation quantities and disposal for a 20 year period. Existing landfill capacity is analyzed in light of the projections. The discussion of regional waste generation and composition issues includes sections on the projected tonnage amounts, disposal capacity and cell development of the two regional landfills, special wastes and waste stream composition.

### **Section 5.0 Existing Solid Waste Management System**

Section 5 describes the major components of the current solid waste management systems for the five participating communities. Included in this section is an overview of acceptable materials at the regional landfills, and the individual and regional base, adjusted and final recycling rates calculated using DEQ Forms 50-30.

### **Section 6.0 Budget**

Section 6 provides the Services Authority's FY 2009 operating budget.



## **Section 7.0 Hierarchy**

Section 7 contains a discussion of the waste management hierarchy as it relates to regional solid waste management practices. The hierarchy includes source reduction, reuse, recycling, resource recovery and incineration and landfilling. A discussion on future disposal options is provided.

## **Section 8.0 Goals and Objectives**

Section 8 analyzes the various goals and objectives of the regional solid waste management program. These goals include collection and disposal, recycling, public awareness policies and litter control programs.

## **Section 9.0 Implementation Schedule**

Section 9 summarizes the various goals and objectives of the regional solid waste management program over the 20 year planning period.

## **Section 10.0 Resolutions**

Section 10 contains the resolutions relating to the formation of the solid waste planning unit, Virginia DEQ's recognition of Region 2000 as a solid waste planning unit, and adoption of the first ever Region 2000 solid waste management plan.

## **Section 11.0 Funding and Financing**

Section 11 provides an overview of the funding mechanisms and financing methods that the Services Authority will implement to ensure the financial integrity of the Services Authority.

## **Section 12.0 Public Participation**

Section 12 provides information on when and where the Authority and the individual communities will address opportunities for public participation of the regional solid waste management plan.

## **Section 13.0 Record Keeping**

Section 13 identifies a central archive authorized to receive and record information on disposal and landfill activities in the area.

## **Key Findings**

Key Findings from the Plan include the following:

- The member jurisdictions have agreed to use their existing disposal facilities together via regionalization, operating under a regional Services Authority.

## Executive Summary

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Under this scenario, member jurisdictions of the Authority would send their solid waste to either the Campbell County (Campbell) or City of Lynchburg (Lynchburg) landfills. Under this approach, the landfills would have approximately 14 years of capacity assuming a regional start date of July 1, 2008.<sup>1</sup>

- The population of the five communities that comprise the regional solid waste planning unit is expected to increase from 154,440 to 172,639 in the next 25 years<sup>2</sup>.
- In 2007, the five jurisdictions disposed of 253,366 tons of solid waste. By 2027 this is projected to grow to 266,340 tons.
- A site life analysis was performed to determine the approximate life of each landfill operating as the regional facility. The analysis assumed that the Authority would accept waste from Appomattox County, the City of Bedford and Nelson County beginning July 2008. Assuming a start date of July 1, 2008, it is estimated that the City of Lynchburg Landfill has 5.3 years worth of disposal capacity while the Campbell County landfill is estimated to have 8.8 years of disposal capacity.
- Assuming 14 years of disposal capacity remains, the Authority is considering the possibility of creating a new landfill, transfer station and/or waste-to-energy facility to handle the region's future disposal options. In addition, a comparative analysis was conducted to determine the feasibility of constructing a transfer station and a waste-to-energy facility to handle the regions waste. The Services Authority is also considering the expansion of existing facilities by expanding the Campbell County permitted capacity within the permitted area by combining phase III and Phase IV.
- A total of 62 percent of the waste stream entering the City of Lynchburg Landfill in 2007 was comprised of MSW. Industrial Waste comprised 25 percent with Sludge another 10 percent.
- A total of 59 percent of the waste stream entering the Campbell County Landfill in 2007 was comprised of MSW. Industrial Waste comprised 23 percent with C&D another 9 percent.
- In 2007, the Base Recycling Rate for Region 2000 was calculated by R. W. Beck to be 32.8 percent. The Adjusted Recycling Rate was calculated to be 41.4 percent while the Final Calculated Recycling Rate is awaiting DEQ approval.

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<sup>1</sup> This projection is based on a 0.25 percent annual increase in tonnage and the assumption that all waste currently handled by the member jurisdictions will continue.

<sup>2</sup> Source: Weldon Cooper Center for Public Service, Demographics and Workforce Section, [www.coopercenter.org/demographics/](http://www.coopercenter.org/demographics/)

# Section 1

## INTRODUCTION

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### 1.1 Legislation

The following solid waste management plan has been prepared in accordance with the Virginia Waste Management Board's Regulations for Solid Waste Management Planning, Amendment 2, 9 VAC 20-130-10 et seq., and effective date November 28, 2007.

### 1.2 Authority (9 VAC 20-130-20)

The regulations were promulgated pursuant to Chapter 14 (Sec.10.1-1400 et seq. and specifically Sections 10.1-1402, 10.1-1411 and 10.1-1413 of Title 10.1 of the Code of Virginia which authorized the Virginia Waste Management Board to promulgate and enforce such regulations as may be necessary to carry out its duties and power, and the intent of the Virginia Waste Management Act and the federal acts.

### 1.3 Purpose (9 VAC 20-130-40)

The purpose of the regulations as generally stated in 9 VAC 20-130-40 and elsewhere in the regulations is to:

1. Establish minimum solid waste management standards and planning requirements for protection of public health, public safety, the environment, and natural resources throughout the Commonwealth;
2. Require the development of a comprehensive and integrated solid waste management plan that addresses all components of the solid waste hierarchy established by the United States Environmental Protection Agency (EPA) as embraced by the Commonwealth as follows:
  - Source Reduction (most desirable activity)
  - Reuse
  - Recycling
  - Resource Recovery (waste-to-energy)
  - Incineration
  - Landfilling (least desirable activity)

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3. Promote local and regional planning that provides for environmentally sound and compatible solid waste management with the most effective and efficient use of available resources;
4. Establish procedures and rules for designation of regional boundaries for solid waste management plans;
5. Establish state, local government, or regional responsibility for meeting and maintaining the minimum recycling rates of 25 percent;
6. Establish the requirement to withhold permits for failure to comply with the regulations;
7. Provide a method to request reasonable variance or exemptions from the regulations;
8. Provide for reporting and assessment of solid waste management in the Commonwealth.

### 1.4 Overview

The Counties of Amherst, Appomattox, Campbell, Nelson and Bedford and the Cities of Lynchburg and Bedford, Virginia form a Local Government Council situated in South Central Virginia. The Local Government Council was established under section 15.2-4200 of the Code of Virginia as one of 21 planning districts which serve the local governments of the Commonwealth. The Local Government Council works to provide services for member localities and identify and develop opportunities for coordination among the region's local governments. As a part of its Strategic Planning initiative, Virginia's Region 2000 Partnership Local Government Council (the Council) identified regional solid waste management as a concept that should be investigated as a part of its effort to promote regional cooperation and more effective provision of public services within the Council's community. The following local governments within and adjacent to the Council are currently working together on this concept:

- Campbell County;
- Nelson County;
- Appomattox County;
- City of Bedford; and
- City of Lynchburg<sup>1</sup>

The current focus of the member jurisdictions is to develop a regional approach to solid waste management that will result in greater cooperation, decreased cost of providing service to their customers and citizens and better protection of human health and the environment. By working together, the member jurisdictions also recognize

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<sup>1</sup> Amherst County was originally involved in this process, but decided to withdraw from the regional concept in September 2007.

that a coordinated regional approach provides an enhanced ability to control costs as environmental regulations continue to tighten and the need exists to provide better and longer range solid waste planning. As partners in Region 2000, all five communities will, as of July 1, 2008, combine their regional solid waste disposal needs into one integrated solid waste management system. These five communities have created the Region 2000 Services Authority (Services Authority).

Virginia Department of Environmental Quality (DEQ) regulations 9 VAC 20-130-180 through 220 mandates that any new regional solid waste planning unit (SWPU) must be designated a region by DEQ before being considered for joint development of a solid waste management plan. As such the communities that comprise the Region 2000 SWPU (described in Section 1.5) petitioned the director of the Virginia DEQ for designation of a region. The Virginia Department of Environmental Quality is currently in the process of recognizing Region 2000 as a solid waste planning unit.

9 VAC 20 regulations also state that any new regional entity, such as the Services Authority, must submit a revised solid waste management plan that details how the participants plan on meeting the mandatory regulations as a region. The following solid waste management plan, detailed in Sections 1 through 11 of this report, intends to fulfill the DEQ requirements as such.

## 1.5 Background and Planning Area

Between 2004 and 2007 members of the Region 2000 Partnership decided to look into the creation of a SWPU and create a regional boundary (in accordance with 9 VAC 20-130-180 through 9 VAC 20-130-220) for solid waste management issues. Of the seven communities that initially approached the possibility of forming a SWPU, five (Appomattox, Campbell and Nelson Counties and the Cities of Lynchburg and Bedford) agreed to participate in the SWPU.

In 2004, a Working Group, comprised of local community representatives and Region 2000, conducted preliminary evaluations of the regionalization concept. This preliminary evaluation identified the following three regional alternatives:

- Joint use of existing disposal facilities;
- Creation of a new landfill;
- Creation of a Waste-to-Energy facility; and
- Creation of a Transfer Station.
- Based on the initial analysis, the Working Group recognized potential benefits in the regional concept, and recommended that these issues be studied in further detail by a solid waste management consulting firm (R. W. Beck, Inc.). Table 1-1 below shows the local governments within and adjacent to Region 2000 that participated in the study and the title and year of their independent solid waste management plans.



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**Table 1-1  
Solid Waste Plans**

Participant	Name and Date of Original SWM Plan
Campbell County	Campbell County, Town of Altavista, Town of Brookneal Solid Waste Management Plan (February 2005)
City of Bedford	City of Bedford Solid Waste Management Plan (February 2007)
Nelson County	Thomas Jefferson Planning District Commission Solid Waste Management Plan (October 2006)
City of Lynchburg	City of Lynchburg Solid Waste Management Plan (September 2007)
Appomattox County <sup>2</sup>	Appomattox County Solid Waste Management Plan (September 2005)

Following a competitive selection process, in January 2005 Region 2000 retained the services of R. W. Beck, Inc. (R. W. Beck) to complete a regional solid waste management analysis.

In April 2005, the Council and the participating communities completed a “Regional Solid Waste Management Analysis” with assistance from R. W. Beck. The report evaluated multiple regionalization scenarios such as the joint use of existing facilities, waste-to-energy and transfer stations. This analysis concluded on a preliminary basis that the joint use of existing facilities represents the most viable disposal option for all of the participating communities. Key benefits for the joint use of existing facilities include:

- Establishment of a regional solid waste entity would significantly enhance opportunities for other regional solid waste functions such as solid waste management planning, achievement of recycling goals, collection and disposal of household hazardous waste, and more efficient collection and convenience center operations.
- Significant cost savings to local governments and customers from consolidating landfill operations.
- More efficient landfill operations due to increased economies of scale.
- Reduced air emissions as the City of Bedford and Nelson County would decrease hauling distance by using landfills within the Council, instead of outside of the Council<sup>3</sup>.

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<sup>2</sup> While Appomattox County initially decided not to formally participate in the effort, the County has joined the Services Authority as of May 2008.

<sup>3</sup> The City of Bedford developed a transfer station that replaced its landfill in February 2007. Without the regionalization option, the City would transfer its’ waste outside of the Region. Nelson County currently transfers its’ waste to Amelia County.

- Greater environmental control due to continued operation of environmental systems associated with each community's Subtitle D landfills, and ultimately closure of each landfill sooner than currently permitted.

Among the member jurisdictions, there are two landfills with significant remaining capacity in Region 2000 (e.g. Campbell County and City of Lynchburg). Operating as an Authority, only one of the two landfills would accept waste for disposal at a time. The member jurisdictions will be required to send all of their solid waste to the active landfill. The Campbell County Landfill will be inactive first and all waste from the member jurisdictions will be sent to the Lynchburg Landfill. Once the Lynchburg Landfill reaches capacity, all waste would go to the Campbell County Landfill. Although the Campbell County Landfill would not accept waste for disposal while inactive, operations would continue to occur from a regulatory perspective (i.e., environmental monitoring, post-closure of closed landfills, site maintenance). This approach of sequencing the use of the landfills has been approved by the Virginia Department of Environmental Quality (VDEQ). Under this approach, the landfills would have approximately 14.1 years of combined capacity assuming a regional start date of July 1, 2008<sup>4</sup>.

Figure 1-1 illustrates the location of the members of the region in relation to the Commonwealth of Virginia. Figure 1-2 provides a map of the location of existing disposal facilities in the Region. For the purpose of this plan, the term "Region" and "Authority" may be used interchangeably.

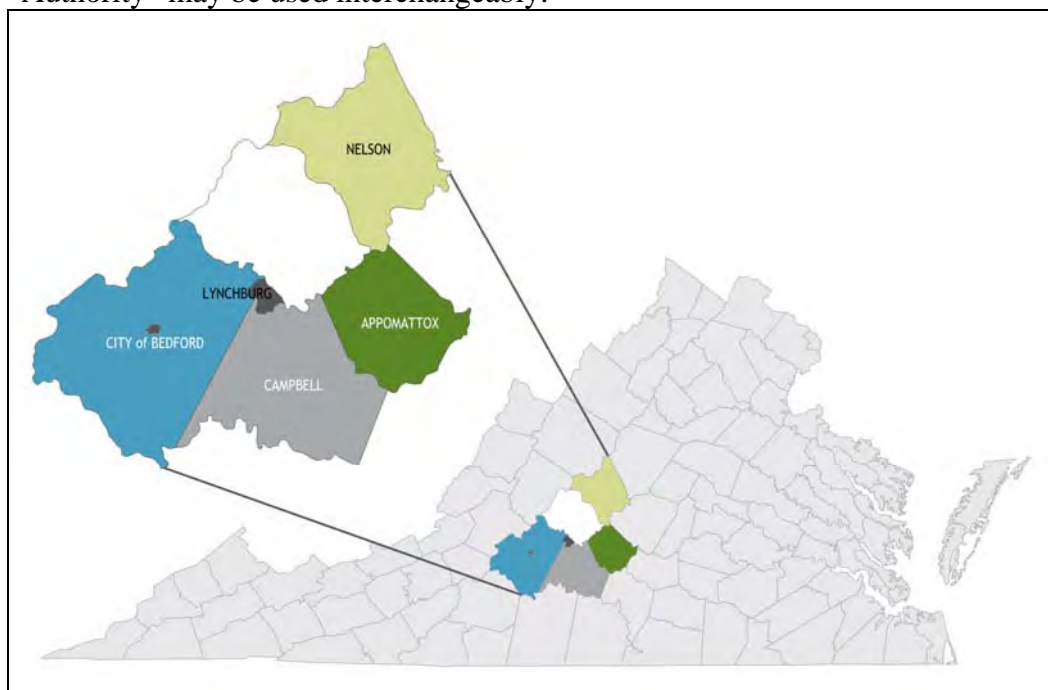


Figure 1-1: Member Communities

<sup>4</sup> This projection is based on a 0.25 percent annual increase in tonnage and the assumption that all waste currently handled by the participating communities will continue.

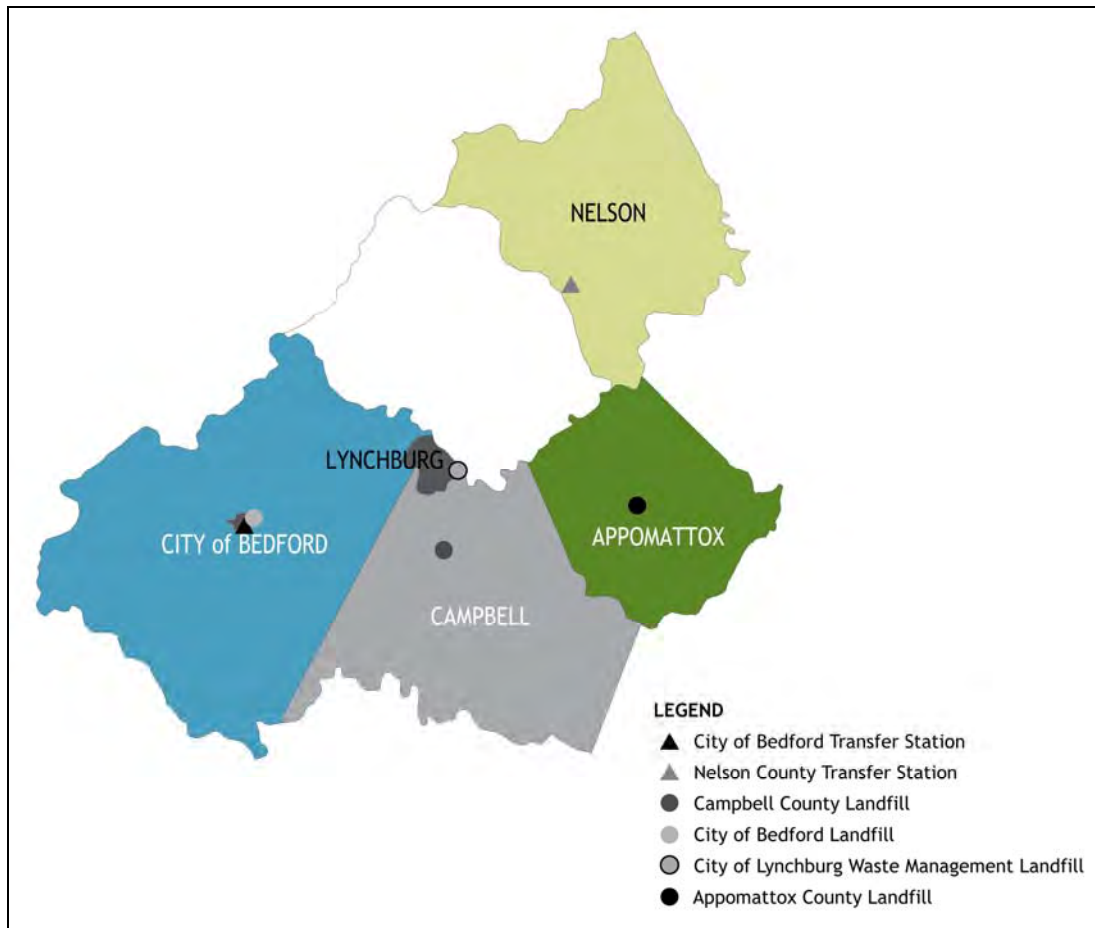


Figure 1-2: Existing Solid Waste Facilities

## 1.6 Summary of Region 2000 Goals and Objectives

Table 1-2 below summarizes the initial goals and objectives that the individual communities that comprise Region 2000 sought to achieve in order to move forward toward a regional solid waste plan. Appendix B displays the Region's "Master Schedule" detailing by Calendar Year (2007-2008), each major "Activity" that the Authority and the individual communities need to conduct to move forward toward solid waste regionalization.

**Table 1-2**  
**Summary of Original Plan and Goals**

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1. Evaluate the potential for alternative approaches to solid waste management practices within the region through the Strategic Planning Initiative of 2002 utilizing an Executive Committee and the formation of a Working Group.
  2. Address solid waste management from a regional standpoint, thereby enhancing project economics and the environment and public health.
  3. For each locality to determine the feasibility of solid waste management alternatives within its own jurisdiction for the purpose of developing an integrated solid waste management system.
  4. Develop a regional solid waste management council within the District where local government officials and community representatives could exchange information, ideas and evaluate possible regional approaches towards solid waste management.
  5. Address the short term and long term needs of the planning area with respect to solid waste management.
  6. Encourage operation of solid waste disposal facilities and collection services among District localities where possible.
  7. Develop the most cost-effective and environmentally sound solid waste management system for the planning area.
  8. Meet the recycling mandates as set forth by the DEQ in the most feasible and practical manner.
  9. Determine feasibility of building three Transfer Stations. (Two smaller ones in the City of Bedford and in the Nelson County area, and one larger facility in the Lynchburg area).
  10. Determine feasibility of Waste-to-Energy.
  11. Determine feasibility of a regional cooperative operation of landfill facilities.
  12. Hire a Consultant to conduct a regional solid waste management analysis.
  13. Determine budget and other financial estimates for a regional cooperation including cost savings to each individual community.
  14. Elicit feedback from citizens of respective communities.
  15. Prepare new Regional Solid Waste Management Plan.
- 

## 1.7 Planning Period

The planning period for this solid waste management plan is 20 years from 2008 through 2028. Projections of the amount of solid waste generated, and the remaining capacity for the regional disposal facilities will be shown in detail in Section 4.0.

## 1.8 Critical Definitions (9 VAC 20-130-10)

It is important that the reader of this solid waste management plan have a clear understanding of the terms used throughout the report. The following selected definitions are taken directly from the regulations:

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**Integrated Waste Management Plan** – means a governmental plan that considers all elements of waste management during generation, collection, transportation, treatment, storage, disposal, and litter control and selects the appropriate methods of providing necessary control and services for effective and efficient management of all wastes. An "integrated waste management plan" must provide for source reduction, reuse and recycling within the jurisdiction and the proper funding and management of waste management programs.

**Principle Recyclable Materials (PRM)** – means paper, metal, plastic, glass, commingled yard waste, wood, textiles, tires, used oil, used oil filters, used antifreeze, batteries, electronics, or material as may be approved by the director. Commingled materials refers to single stream collections of recyclables where sorting is done at a materials recovery facility.

**Recycling** – means the process of separating a given waste material from the waste stream and processing it so that it may be used again as a raw material for a product, which may or may not be similar to the original product. Recycling shall not include processes that only involve size reduction.

**Reuse** – means the process of separating a given solid waste material from the waste stream and using it, without processing or changing its form, other than size reduction, for the same or another end use.

**Source Reduction** – means any action that reduces or eliminates the generation of waste at the source, usually within a process. Source reduction measures include process modifications, feedstock substitutions, improvements in feedstock purity, improvements in housekeeping and management practices, increases in the efficiency of machinery, and recycling within a process. Source reduction minimizes the material that must be managed by waste disposal or nondisposal options by creating less waste. "Source reduction" is also called "waste prevention," "waste minimization," or "waste reduction."

**Treatment** – means any method, technique, or process, including but not limited to incineration, designed to change the physical, chemical or biological character or composition of any waste to render it more stable, safer for transport or more amenable to use, reuse, reclamation or recovery. Per email from DEQ, treatment includes tire shredding but does not include mulching.

**Used or Reused Material** - means a material which is either:

1. Employed as an ingredient (including use as an intermediate) in a process to make a product, excepting those materials possessing distinct components that are recovered as separate end products; or
2. Employed in a particular function or application as an effective substitute for a commercial product or natural resource.



For purposes of this plan, "used or reused material" means a given solid waste material that is separated from the waste stream and used, without processing or changing its form, for the same or another end use.

## 1.9 Additional Definitions

The following words and terms when used in this plan shall have the following meaning: (*Note: The following definitions are taken from the Virginia Solid Waste Management Regulations, 9 VAC 20-80-10 or other appropriate sources.*)

**Agricultural Waste** - means all solid waste produced from farming operations.

**CDD Waste** - construction, demolition and debris waste defined generically as a category of waste as reported to DEQ which includes the wastes defined below.

**Collector** - person or business that collects and transports solid wastes or recyclables from residences or businesses for a fee.

**Commercial Waste** - means all solid waste generated by establishments engaged in business operations other than manufacturing or construction. This category includes, but is not limited to, solid waste resulting from the operation of stores, markets, office buildings, restaurants and shopping centers.

**Composting** - means the manipulation of the natural process of decomposition of organic materials to increase the rate of decomposition..

**Construction Waste** - means solid waste that is produced or generated during construction, remodeling, or repair of pavements, houses, commercial buildings, and other structures. Construction wastes include, but are not limited to, lumber, wire, sheetrock, broken brick, shingles, glass, pipes, concrete, paving materials, and metal and plastics if the metal or plastics are a part of the materials of construction or empty containers for such materials. Paints, coatings, solvents, asbestos-containing material, any liquid, compressed gases, or semi-liquids and garbage are not construction wastes.

**Contamination** - means the degradation in quality of naturally occurring water, air or soil resulting either directly or indirectly from human activity.

**Convenience Center** - means a collection point for the temporary storage of solid waste provided for individual solid waste generators who choose to transport solid waste generated on their own premises to an established centralized point, rather than directly to a disposal facility. To be classified as a convenience center, the collection point may not receive waste from collection vehicles that have collected waste from more than one real property owner. A convenience center shall be on a system of regularly scheduled collections.

**DEQ** - Virginia Department of Environmental Quality.

**Debris Waste** - means solid waste resulting from land clearing operations. Debris wastes include, but are not limited to, stumps, wood, brush, leaves, soil, and road spoils.

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**Demolition Waste** - means solid waste produced by the destruction of structures and their foundations and includes the same materials as construction wastes.

**Discarded Material** - means a material that is: (i) abandoned material; (ii) recycled material; or (iii) considered inherently waste-like.

**Disposal** - means the discharge, deposit, injection, dumping, spilling, leaking or placing of any solid waste into or on any land or water so that such solid waste or any constituent of it may enter the environment or be emitted into the air or discharged into any waters.

**Friable Asbestos** - means any material containing more than 1.0 percent asbestos by weight that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure and regulated as a special waste.

**Garbage** - means readily putrescible discarded materials composed of animal, vegetable or other organic matter.

**Green Box Site** - means a convenience center that utilizes roll off or front load containers less than 20 cubic yards in capacity for the collection and / or transportation of solid waste.

**Groundwater** - means water below the land surface in a zone of saturation..

**Hazardous Waste** - means a "hazardous waste" as defined by the Virginia Hazardous Waste Management Regulation, 9 VAC 20-60-12 et seq. Hazardous wastes are wastes that, if not handled or disposed of properly, could cause injury or death, or damage or pollute land, air or water. Hazardous waste determinations are based on whether the waste is currently "listed" by the EPA or exhibits a "characteristic" of hazardous wastes. Listed wastes are waste that either exhibit one of the characteristics or contain any number of toxic constituents that have been show to be harmful to health and the environment. The EPA list includes over 400 hazardous wastes. Characteristics of hazardous waste are "Ignitable/Flammable", "Corrosive", "Reactive" or "Toxic".

**Household Hazardous Waste (HHW)** – means any waste material derived from households (including single and multiple residences, hotels and motels, bunk houses, ranger stations, crew quarters, campgrounds, picnic grounds and day-use recreation areas) which, except for the fact that it is derived from a household, would otherwise be classified as a hazardous waste in accordance with 9 VAC 20-60.

**Household Waste** - means normal waste material, including garbage, trash and refuse, derived from households. Households include single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds and day-use recreation areas. Household wastes do not include sanitary waste in septic tanks (septage).

**Incineration** - means the controlled combustion of solid waste for disposal.

**Incinerator** - means a facility or device designed for the treatment of solid waste by combustion.

**Industrial Waste** - means any solid waste generated by manufacturing or industrial process that is not a regulated hazardous waste. Such waste may include, but is not

limited to, waste resulting from the following manufacturing processes: electric power generation; fertilizer/agricultural chemicals; food and related products/byproducts; inorganic chemicals; iron and steel manufacturing; leather and leather products; nonferrous metals manufacturing/foundries; organic chemicals; plastics and resins manufacturing; pulp and paper industry; rubber and miscellaneous plastic products; stone, glass, clay, and concrete products; textile manufacturing; transportation equipment; and water treatment. This does not include mining waste or oil and gas waste.

**Industrial Waste Landfill** - means a solid waste landfill used primarily for the disposal of a specific industrial waste or a waste which is a by-product of a production process.

**Institutional Waste** - means all solid waste emanating from institutions such as, but not limited to, hospitals, nursing homes, orphanages, and public or private schools. It can include regulated medical waste from health care facilities and research facilities that must be managed as a regulated medical waste.

**Jurisdiction** - means a local governing body; city, county or town; or any independent entity, such as a federal or state agency, which join with local governing bodies to develop a waste management plan..

**Landfill** - means a sanitary landfill, an industrial waste landfill, or a construction/demolition/debris landfill.

**Litter** - means waste material that is discarded, blown or scattered about a facility, road or public area.

**Mulch** - means woody waste consisting of stumps, trees, limbs, branches, bark, leaves and other clean wood waste that has undergone size reduction by grinding, shredding or chipping, and is distributed to the general public for landscaping purposes or other horticultural uses.

**Municipal Solid Waste** - means that waste which is normally composed of residential, commercial, and institutional solid waste and residues derived from combustion of these wastes.

**Open Dump** - means a site on which any solid waste is placed, discharged, deposited, injected, dumped or spilled so as to create a nuisance or present a threat of a release of harmful substances into the environment or present a hazard to human health. Such a site is subject to the open dump criteria in 9 VAC20-80-180.

**Recycled Material** - means a material that is derived from recycling.

**Refuse** - means all solid waste products having the character of solids rather than liquids and which are composed wholly or partially of materials such as garbage, trash, rubbish, litter, residues from clean up of spills or contamination, or other discarded materials.

**Regional Authority** - means the County of Campbell and the incorporated towns of Altavista and Brookneal, the County of Nelson and the County of Appomattox; and the Cities of Lynchburg and Bedford.

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

**Residential Waste** - means household waste.

**Resource Recovery System** - means a solid waste management system which provides for collection, separation, use, reuse, or reclamation of solid wastes, recovery of energy and disposal of non-recoverable waste residues.

**Rubbish** - means combustible or slowly putrescible discarded materials which include but are not limited to trees, wood, leaves, trimmings from shrubs or trees, printed matter, plastic and paper products, grass, rags and other combustible or slowly putrescible materials not included under the term "garbage."

**Sanitary Landfill** - means an engineered land burial facility for the disposal of household waste which is so located, designed, constructed and operated to contain and isolate the waste so that it does not pose a substantial present or potential hazard to human health or the environment.

**Scrap Metal** - means bits and pieces of metal parts such as bars, rods, wire, empty containers, or metal pieces that may be combined together with bolts or soldering which are discarded material and can be used, reused, or reclaimed. For the purposes of this plan, this definition includes the reclaimable metal parts of white goods.

**Site** - means all land and structures, other appurtenances, and improvements on them used for treating, storing, and disposing of solid waste. This term includes adjacent land within the facility boundary used for the utility systems such as repair, storage, shipping or processing areas, or other areas incident to the management of solid waste.. (Note: This term includes sites whether they are planned and managed facilities or open dumps.)

**Sludge** - means any solid, semi-solid or liquid waste generated from a municipal, commercial or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility exclusive of treated effluent from a wastewater treatment plant.

**Solid Waste** - means any garbage, refuse, sludge and other discarded material, including solid, liquid, semisolid or contained gaseous material, resulting from industrial, commercial, mining and agricultural operations, or community activities but does not include (i) solid or dissolved material in domestic sewage, (ii) solid or dissolved material in irrigation return flows or in industrial discharges that are sources subject to a permit from the State Water Control Board, or (iii) source, special nuclear, or byproduct material as defined by the Federal Atomic Energy Act of 1954, as amended.

**Solid Waste Management Facility ("SWMF")** - means a site used for planned treating, storing, or disposing of solid waste. A facility may consist of several treatment, storage, or disposal units.

**Source Separation** - means separation of recyclable materials by the waste generator of materials that are collected for use, reuse or reclamation.

**Special Wastes** - mean solid wastes that are difficult to handle, require special precautions because of hazardous properties or the nature of the waste creates waste management problems in normal operations.

**Transfer Station** - means any solid waste storage or collection facility at which solid waste is transferred from collection vehicles to haulage vehicles for transportation to a central solid waste management facility for disposal, incineration or resource recovery.

**Trash** - means combustible and noncombustible discarded materials and is used interchangeably with the term rubbish.

**Vegetative Waste** - means decomposable materials generated by yard and lawn care or land clearing activities and includes, but is not limited to, leaves, grass trimmings, woody wastes such as shrub and tree prunings, bark, limbs, roots, and stumps..

**White Goods** - means any stoves, washers, hot water heaters or other large appliances. For the purposes of this plan, this definition also includes, but is not limited to, such Freon-containing appliances as refrigerators, freezers, air conditioners and dehumidifiers.

**Yard Waste** - means decomposable waste materials generated by yard and lawn care and includes leaves, grass trimmings, brush, wood chips, and shrub and tree trimmings. Yard waste shall not include roots or stumps that exceed six inches in diameter.



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## Section 2

# BACKGROUND INFORMATION

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To provide background to the discussions contained in this solid waste management plan, a discussion of the status of solid waste management nationally and the Region 2000's goals and objectives are provided in this Section.

## 2.1 Status of Solid Waste Management Nationally

The following information is taken from "Municipal Solid Waste Generation, Recycling and Disposal in the United States: 2005 Facts and Figures," produced by the United States Environmental Protection Agency (EPA), EPA530-R-06-011, dated October 2006. This report provides data on the national municipal solid waste stream for 1960 through 2005 and is the most recent data provided by the EPA as of May 2007.

It should be noted that as used by the EPA, the term municipal solid waste (MSW) consists of "everyday" items such as product packaging, grass clippings, furniture, clothing, food scraps, newspapers, appliances and batteries. It does not include materials that may also be landfilled but are not generally considered MSW, such as construction and demolition debris, sludge and non-hazardous industrial wastes. Virginia's definition is similar defining MSW as waste that is normally composed of residential (household), commercial (businesses other than manufacturing or construction) and institutional solid waste. However, record keeping of localities may not segregate the waste materials in a similar way. Thus, when comparing the information in this section with the data in the solid waste plan, care must be given to the term MSW.

### 2.1.1 Waste Generation

According to the EPA report, the United States generated approximately 88.1 million tons of MSW in 1960 and approximately 245.7 million tons in 2005. This represents a 279 percent increase in the solid waste generated over the 45-year period. At the same time the United States population increased from 180.0 million persons in 1960 to 296.4 million persons in 2005 or almost a 165 percent increase over the 45-year planning period. Clearly, the increase in tonnage is not just a factor of population but is also impacted by other factors including the commercial sector. Table 2-1 summarizes the waste generation of MSW for 1960 – 2005 on a pounds per person per day basis.

Table 2-1  
USA Waste Generation (MSW) 1960 – 2005  
Pounds per Person per Day  
as Reported by EPA

Year	Pounds per Person per Day
1960	2.68
1970	3.25
1980	3.66
1990	4.50
1995	4.45
2000	4.63
2001	4.45
2002	4.48
2003	4.53
2004	4.61
2005	4.54

The report noted that residential waste (including apartment houses) is estimated to be 55 percent and 65 percent of the total MSW generated, and that commercial waste (including institutional wastes, some industrial sites where packaging is generated and businesses) constitutes between 35 percent and 45 percent of the total MSW generated.

### 2.1.2 What is in the Waste?

In evaluating waste generation, the report examined the composition of the waste materials as discarded before recycling and the amount of the material recovered through recycling programs. Tables 2-2 and 2-3 summarizes the findings from this report.

## BACKGROUND INFORMATION

Table 2-2  
USA Waste Composition by Material Type  
As Summarized in U.S. EPA Report  
2005 Data

Material	Percent of Total Waste Stream	Recovery as Percent of Waste Generation
Paper	34.2	50.0
Glass	5.2	21.6
Metals	7.6	36.8
Plastics	11.8	5.7
Rubber, leather, & textiles	7.3	13.2
Wood	5.7	9.4
Yard trimmings	13.1	61.9
Food scraps	11.9	2.4
Misc. Inorganic Wastes	3.4	Negative

Table 2-3  
USA Generation and Recovery of Materials in MSW  
(in millions of tons and % generation by material type)  
as Summarized in EPA Report  
2005 Data

Material	Weight Generated	Weight Recovered	Recovery as a Percent of Generation
Paper	84.0	42.0	50.0
Glass	12.8	2.8	21.6
Metals (total)	18.7	6.9	36.8
Plastics	28.9	1.7	5.7
Rubber, leather, & textiles	17.8	2.7	13.2
Wood	13.9	1.3	9.4
Yard trimmings	32.1	19.9	61.9
Food scraps	29.2	0.7	2.4
Misc. Inorganic Wastes	3.7	Negative	Negative

Based on this information a significant portion of the yard waste, paper and metal wastes are being recovered while there remains limited recovery of plastics, wood and food scraps.

In addition the report evaluated the waste stream by product type. Table 2-4 summarizes the findings of the report:

## Section 2

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Table 2-4  
USA Generation and Recovery of Products in MSW  
(in millions of tons and % generation by material type)  
As Summarized in EPA Report  
2005 Data

Material	Weight Generated	Weight Recovered	Recovery as a Percent of Generation
Durable goods	40.3	7.5	18.5
Nondurable goods	63.7	20.5	32.1
Containers and packaging	76.7	30.5	39.8
Food scraps	29.2	0.7	2.4
Yard trimmings	32.1	19.9	61.9
Misc. Inorganic Wastes	3.7	Negative	Negative

### 2.1.3 Disposal

The report tracks the ultimate handling of the wastes generated and indicates that 13.6 percent of the waste generated is combusted, 32.1 percent of the waste is recovered and that 54.3 percent of the waste is landfilled. It also noted that although the number of landfills decreased from nearly 8,000 in 1988 to 1,654 in 2005, the average size of the individual landfills actually increased.

### 2.1.4 Recycling

According to the report, the United States recycled approximately 5.6 million tons of materials in 1960 and 58.4 million tons in 2005. This represents a 1,005 percent increase in recycling over the 45-year period. In addition, composting of yard trimmings, food scraps and other MSW organic material has increased from negligible reported quantities in 1960 to 20.6 million tons in 2005. This does not include back yard composting projects. Thus, in 1960, the overall recycling rate in the United States as calculated as recyclables over total MSW was 6.4 percent and in 2005 is 23.8 percent without composting or 32.1 percent with composting. The following table summarizes the recycling and composting rates for 1960 – 2005 on a pounds- per-person per day (lbs/person/day) basis:



Table 2-5  
USA Recycling and Composting Rates  
1960 – 2003  
As Reported by EPA

Year	Recycling (lbs/person/day)	Composting (lbs/person/day)	Total (lbs/person/day)
1960	0.17	Negative	0.17
1970	0.22	Negative	0.22
1980	0.35	Negative	0.35
1990	0.64	0.09	0.73
1995	0.96	0.20	1.16
2000	1.03	0.32	1.35
2003	1.05	0.36	1.41
2004	1.07	0.38	1.45
2005	1.08	0.38	1.46

### 2.1.5 Waste Reduction and Reuse

The following information is taken from the EPA document, “Municipal Solid Waste in the United States: 2001 Facts and Figures,” as cited above. When EPA established its waste management hierarchy in 1989, it emphasized the importance of reducing the amount of waste created, reusing whenever possible, and then recycling what is left. When municipal solid waste is reduced and reused, this is called “source reduction”, meaning that the material never enters the waste stream. Instead it is managed at the source of generation. Source reduction includes the design, manufacture, purchase or use of materials, such as products and packaging, to reduce their amount or toxicity before they enter the MSW waste stream. Examples of source reduction activities are:

- Designing products or packaging to reduce the quantity or the toxicity of the materials used, or to make them easier to reuse.
- Reusing existing products or packaging; for example, refillable bottles, reusable pallets, and reconditioned barrels and drums.
- Lengthening the lives of products so less material is thrown away over time.
- Using packaging that reduces the amount of damage or spoilage of a product.
- Managing non-product organic wastes through onsite composting or other alternative disposal techniques.

According to the EPA, the United States prevented more than 55 million tons of MSW from entering the waste stream using 1990 as the baseline year. The EPA believes that reducing the amount of yard trimmings is particularly important in reducing the MSW in landfills across the United States. The following table taken from the EPA indicates the source reduction by major material categories:

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Table 2-6  
USA Source Reduction by Major Category  
Year 2000 as Reported by EPA

Material	Million Tons	% Total
Durable goods (e.g. appliances, furniture)	5.4	9.8%
Nondurable goods (e.g. newspapers, clothing)	9.3	16.8%
Containers and packaging (e.g. bottles, boxes)	15.5	28.1%
Other MSW (e.g. yard trimmings, food scraps)	25.0	45.3%
Total Source Reduction (1990 baseline year)	55.1	100.0%

Source reduction avoided an increase in the waste stream from 1999 to 2000 of nearly 25 percent. According to EPA, between two and five percent of the waste stream is potentially reusable and reflecting the interest in reuse is the establishment of over 6,000 reuse centers throughout the country ranging from specialized programs for building materials, to salvage facilities at landfills, to local/national programs such as Goodwill and Salvation Army.

## Section 3

# REGION 2000 DEMOGRAPHIC DATA

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### 3.1 Location

The five participating communities that comprise Region 2000 are located in South Central Virginia and include the Counties of Appomattox, Campbell and Nelson and the Cities of Bedford and Lynchburg. The total land mass of the five communities is approximately 1,365 square miles. The highest population densities exist in around the City of Lynchburg located geographically in the center of the five communities. Figure 3-1 displays the individual communities in relation to each other and the state as a whole.

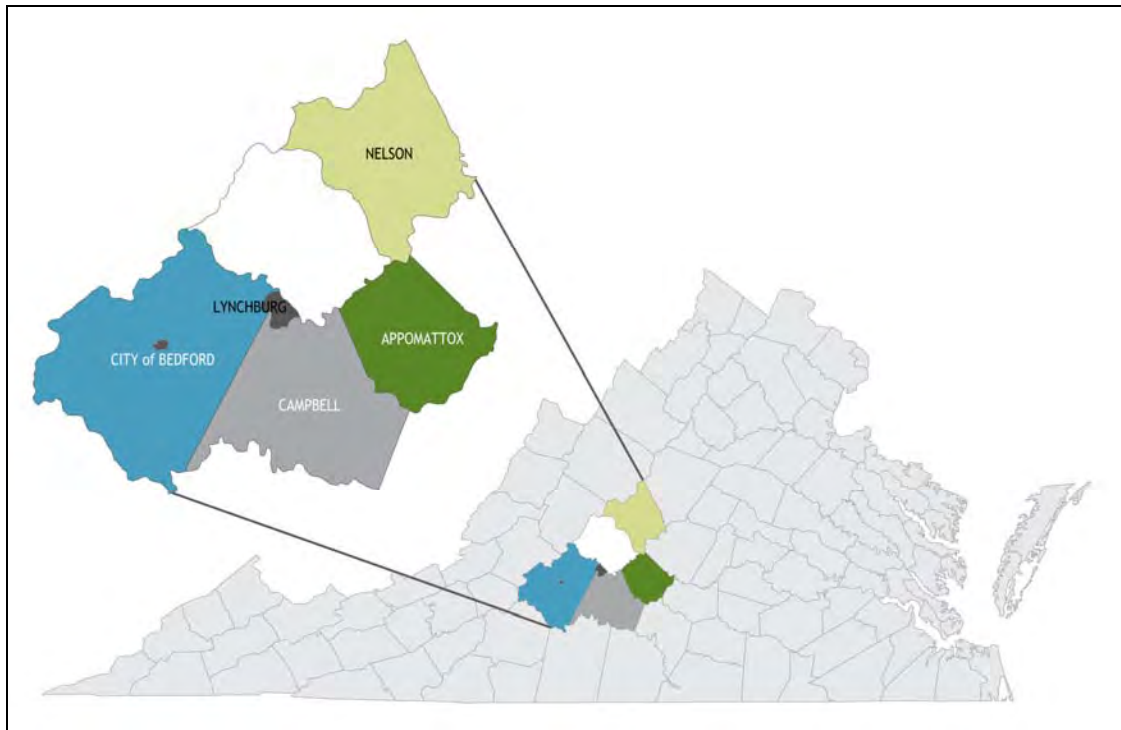


Figure 3-1: Map of Region 2000 Communities

## 3.2 Demographics

### 3.2.1 Population

The University of Virginia's Weldon Cooper Center for Public Service (the Center) provides population and other demographic information for both the state of Virginia, in addition to the state's counties and cities. The Center reports that the Commonwealth's population reached 7.6 million on July 1, 2006, which includes more than 560,000 new residents since 2000. The state's population growth is due, almost equally, to natural increase (more births than deaths) and to net in-migration.

The Center reports that the state as a whole had an annual growth rate of 1.3 percent between 1990 and 2000. The growth rate since 2000 has been slightly slower at 1.2 percent. In 2005 the state gained a net increase of 78,500 persons, lower than the average of 92,000 from previous years. The five fastest growing localities in the state, since 2000 are Loudon County (59%), Manassas Park City (35%), Prince William County (32%), Stafford County (30%) and Spotsylvania County (30%).

While most localities have gained population since 2000, 33 counties and cities have experienced population losses. These localities consist primarily of older central cities, such as Richmond, Petersburg, Portsmouth, Roanoke and rural localities in Southside and Southwest Virginia.

According to the Weldon Cooper Center, in 2005 the population of the five Region 2000 communities was 154,440. The Virginia Employment Commission projects that between 2010 and 2025 the population of the Region 2000 communities will grow approximately seven percent. Table 3-1 below provides a breakdown of the population projections for the Region by individual community, while Figures 3-2 and 3-3 display the overall population percent projections for 2005 and 2030.

**Table 3-1**  
**Regional Population Projections**  
**2010-2030**

Name	2005 <sup>1</sup>	2010 <sup>2</sup>	2015 <sup>3</sup>	2020 <sup>2</sup>	2025 <sup>4</sup>	2030 <sup>2</sup>
Appomattox County	13,900	14,188	14,451	14,713	14,984	15,254
Campbell County	51,300	52,972	53,960	54,948	55,986	57,023
Nelson County	15,000	15,557	16,113	16,668	17,283	17,898
Bedford City	6,200	6,070	6,018	5,966	5,964	5,965
Lynchburg City	68,000	68,828	70,722	72,615	74,557	76,499
<b>Total:</b>	<b>154,440</b>	<b>157,615</b>	<b>161,264</b>	<b>164,910</b>	<b>168,774</b>	<b>172,639</b>

<sup>1</sup> Source: Weldon Cooper Center for Public Service, Demographics and Workforce Section, [www.coopercenter.org/demographics/](http://www.coopercenter.org/demographics/)

<sup>2</sup> Source: Virginia Employment Commission, <http://velma.virtualmi.com/>

<sup>3</sup> Extrapolated by R. W. Beck using the average of 2010 and 2020 population

<sup>4</sup> Extrapolated by R. W. Beck using the average of 2020 and 2030 population projections

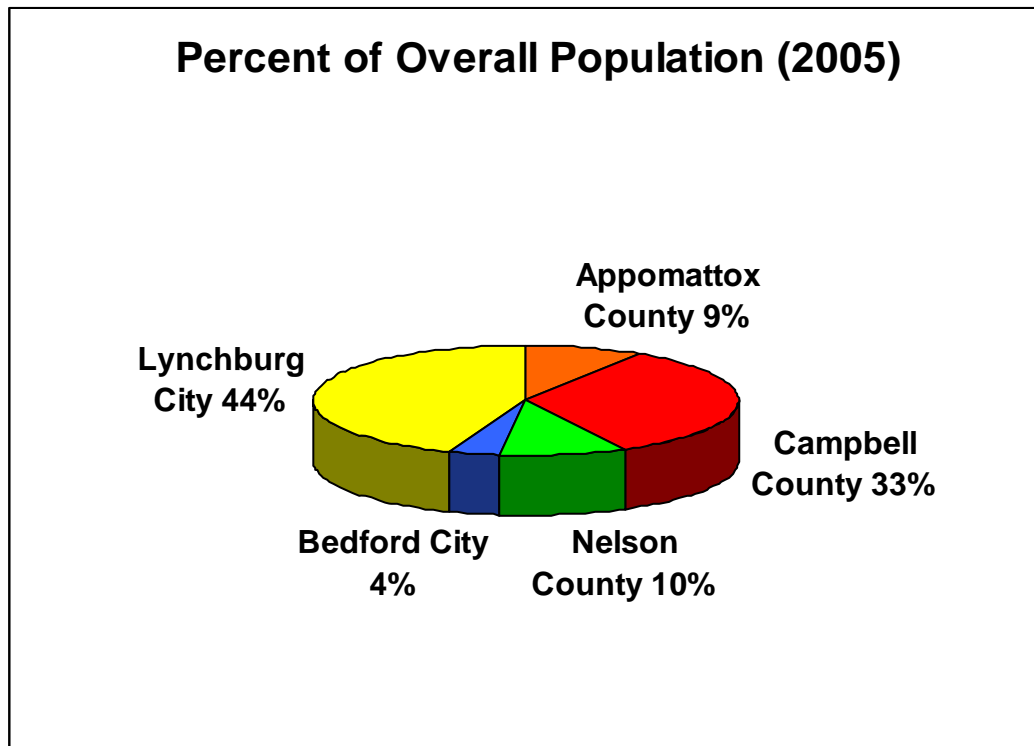


Figure 3-2: Population Percent Breakout (2005)

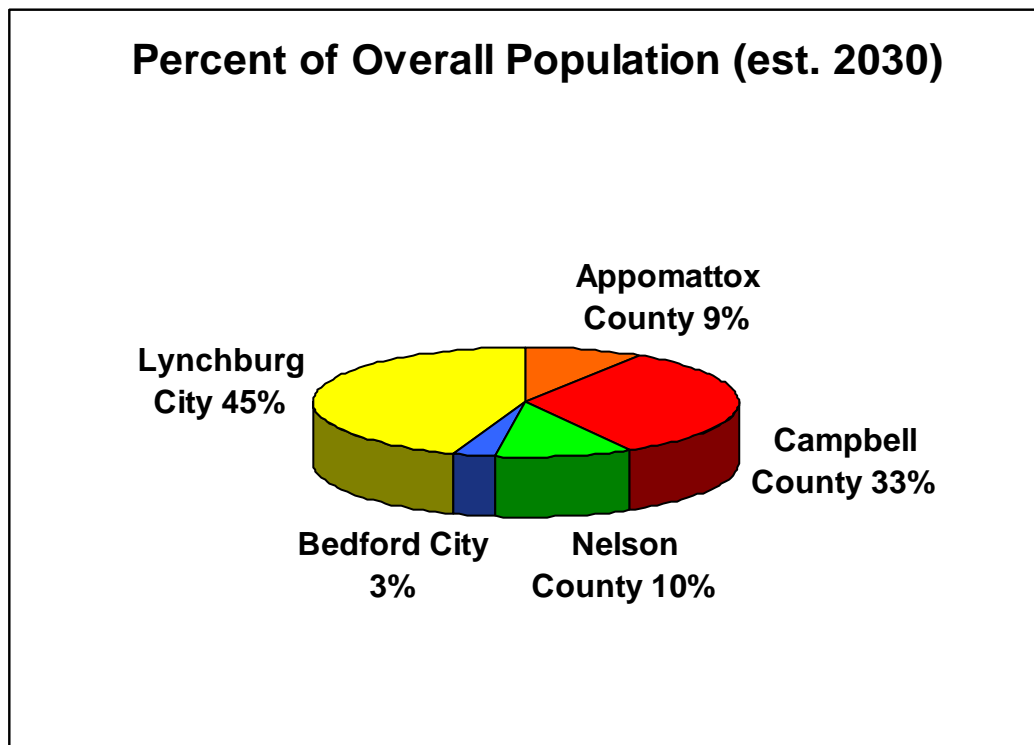


Figure 3-3: Estimated Population Percent Breakout (2030)



### 3.2.2 Additional Relevant Demographic Data

In addition to population growth, other relevant demographic data from the Region 2000 communities was researched and compared to the State-wide average. This included the number of housing units; the average household size; the average family size; population density; racial makeup; median household and median family income. Table 3-2 below presents the results of the analysis using the 2000 U.S. Census Bureau website and corresponding data, unless otherwise noted.

## DEMOGRAPHIC DATA

Table 3-2  
Regional & Statewide Demographic Comparisons  
2000 US Census Bureau (unless otherwise noted)

Demographic	Appomattox County	Campbell County	Nelson County	Bedford City	Lynchburg City	State Average
Total Number of Housing Units	5,828	22,088	8,554	2,702	27,640	2,904,192
Average Household Size	2.55	2.45	2.42	2.26	2.30	2.54
Average Family Size	2.94	2.91	2.88	2.87	2.92	3.04
Population Density <sup>1</sup>	40.3/mi <sup>2</sup>	101.0/mi <sup>2</sup>	31.7/mi <sup>2</sup>	900.7/mi <sup>2</sup>	1,355.1/mi <sup>2</sup>	191.1/mi <sup>2</sup>
Racial Makeup	75.9% White 22.9% Black 0.05% Hisp. 0.02% Asian 0.1% Native American	88.8% White 14.7% Black 0.8% Hisp. 0.6% Asian 0.5% Native American	82.7% White 14.9% Black 2.1% Hisp. 0.6% Asian 0.2% Native American	75.3% White 22.4% Black 0.9% Hisp. 0.6% Asian 0.1% Native American	66.6% White 29.7% Black 1.3% Hisp. 1.3% Asian 0.3% Native American	72.3% White 19.6% Black 4.7% Hisp. 3.7% Asian 0.3% Native American
Median Household Income	\$36,507	\$37,280	\$36,760	\$28,792	\$32,234	\$46,677
Median Family Income	\$41,563	\$42,901	\$42,917	\$35,023	\$40,844	\$54,169

Source: 2000 U.S. Census Bureau. American FactFinder, <http://factfinder.census.gov>

<sup>1</sup> Calculated using 2005 Virginia Employment Commission population numbers and square mileage provided by individual solid waste management plans

## 3.3 Geographic Conditions

### 3.3.1 Appomattox County

Appomattox County is located in south central Virginia, bordered by Amherst, Nelson, Buckingham, Prince Edward, Campbell and Charlotte Counties. It has a predominantly rural population. The Town of Appomattox and the Town of Pamplin are the most densely populated areas. The 345.21 square mile County has topography ranging from flat land and rolling hills in the southern and eastern portions to mountains located in the western and northern portion.

### 3.3.2 Town of Pamplin

The Town of Pamplin is located in the Counties of Appomattox and Prince Edward. According to the United States Census Bureau, the Town has a total area of 0.3 square miles, all land. The 2000 Census Population of the Town of Pamplin was 199.

### 3.3.3 Town of Appomattox

The Town of Appomattox is located in Appomattox County. According to the United States Census Bureau, the Town has a total area of 2.2 square miles. The Town was named for the Appomattox River and is best known as the site of Confederate General Robert E. Lee's surrender to Union General Ulysses S. Grant on April 9, 1865, signaling the end of the American Civil War. The 2000 Census Population of the Town of Appomattox was 1,761.

### 3.3.4 Campbell County

Campbell County is located in the south-central Piedmont Region of the Commonwealth of Virginia and is approximately 504 square miles in size. The County is bordered to the north by the City of Lynchburg, the James River and Amherst County; to the west by Bedford County; to the south by Pittsylvania County and Halifax County; and, to the east by Appomattox and Charlotte Counties.

### 3.3.5 Town of Altavista

The Town of Altavista is located in the southwestern portion of Campbell County, and borders Pittsylvania County to the south. The town was incorporated in 1912, and originally encompassed 1.87 square miles. To adequately plan for future growth, the Town annexed an additional 3.13 square miles of Campbell County in 1977. Thus, to date the Town is approximately 5.0 square miles in size. The 2000 Census Population of the Town of Altavista was 3,425 persons. Primary travel throughout the Town is provided by Route 29.

### **3.3.6 Town of Brookneal**

The Town of Brookneal is located in the southeastern portion of Campbell County, and borders Halifax County. The Town is approximately 3.62 square miles in size and had a 2000 Census Population of 1,259 persons. Primary travel throughout the Town is provided by Route 501.

### **3.3.7 Nelson County**

Nelson County is bounded on the northwest by the Blue Ridge Mountains and the Blue Ridge Parkway. The George Washington National Forest takes up much of the northwestern part of the county. The County is mountainous, although it begins to flatten as it stretches toward the James River along the southeast border. Commercial development in Nelson centers on the tourist areas near Wintergreen and Afton and near Lovingston along Route 29.

The county has a total area of 471 square miles. It is bordered on the east by the James River and on the west by the Blue Ridge Mountains. A large portion of the western section of the county is in the George Washington National Forest. Elevation range from about 500 feet above sea level near the James River to as high as 4,000 feet in the Blue Ridge. The climate is moderately warm in the summers, with temperatures averaging about 77 degrees in July. Winters are moderately cool, with temperatures in January averaging about 38 degrees. Average annual precipitation is about 42 inches.

### **3.3.8 City of Bedford**

The City of Bedford is located within the physical boundaries of Bedford County which is located in the west-central portion of Virginia's central plateau. The City of Roanoke is located west of Bedford and the City of Lynchburg is located east of Bedford. The City is 6.81 square miles in area and is located within the physical boundaries of Bedford County. The City can be described as rolling hilly terrain with elevations of 900 to 1,100 feet above sea level. Bedford City lies in the Piedmont physiographic province and the Roanoke River watershed and enjoys plentiful surface water for agricultural, industrial, energy and recreational purposes.

### **3.3.9 City of Lynchburg**

Lynchburg is a city of 50 square miles located near the geographic center of Virginia, bordered by the eastern edge of the Blue Ridge Mountains. The City is situated on the James River and is surrounded by the Counties of Campbell (south and east), Bedford (west) and Amherst (north and east). It is located approximately 180 miles southwest of the nation's capital, Washington, D.C., 54 miles east of Roanoke and 114 west of Richmond.

Lynchburg is part of the Lynchburg Municipal Statistical Area (1,802 sq. mi) that includes Bedford City, Lynchburg City, Bedford County, Campbell County, Amherst County and Appomattox County.

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Lynchburg is nicknamed by residents as the "Hill City" and the "City of the Seven Hills," reference to seven distinct hills/neighborhoods in the original town limits.

### Sources

Appomattox County Solid Waste Management Plan (September 2005)

Campbell County, Town of Altavista, Town of Brookneal Solid Waste Management Plan (June 2004)

Thomas Jefferson Planning District Commission Solid Waste Management Plan (February 2005)

City of Bedford Solid Waste Management Plan (January 2007)

City of Lynchburg Solid Waste Management Plan (February 2005)

## 3.4 Climate

The citizens of Region 2000 enjoy a mild temperate climate as evidenced by an average temperature of 75 degrees Fahrenheit in July and 34 degrees Fahrenheit in January. Rainfall averages approximately 40 inches annually, and snowfall averages approximately 21 inches per year.

### Sources

Virginia's Region 2000 Economic Development Council:

<http://www.region2000.org/edc/live/characteristics.htm>

National and Local Weather Forecast, Radar, Map and Report: <http://www.weather.com/>

## 3.5 Transportation

Region 2000 is ideally located to major East Coast and Midwest markets - just 200 miles west of the Port of Hampton Roads. Areas such as New York, Philadelphia, Pittsburgh, Charlotte, Atlanta and Detroit are within a single day's drive.

### 3.5.1 Highways

The Region is bisected by US 29 (North/South) and US 460 (East/West); both are divided four-lane highways. US 501 is another major North/South thoroughfare that travels through the center of Lynchburg and Campbell County. The region is within 45 minutes of Interstate 81, the major North/South corridor in the state, and within 60 minutes of Interstates 64, the major East/West corridor in the state. Figure 3-4 displays the major transportation corridors bisecting the region while Table 3-3 displays the distance (in miles) to various major population centers.



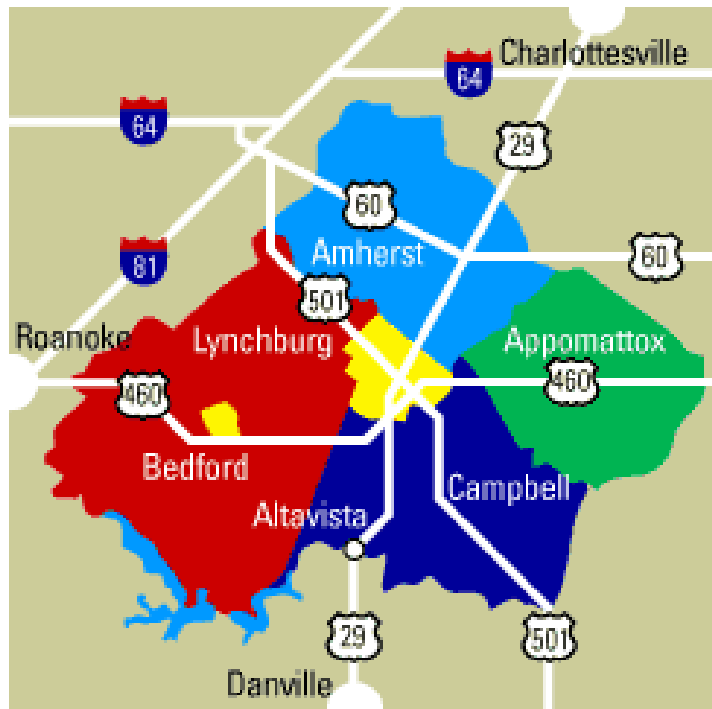


Figure 3-4: Regional Transportation Corridors

Source

Virginia's Region 2000 Economic Development Council:  
<http://www.region2000.org/edc/maps/roads.htm>

Table 3-3  
Distance to Selected Cities

City Name	Direction from Region 2000 Epicenter	Distance
Atlanta	Southwest	470 miles
Baltimore	Northeast	214 miles
Charlotte	South	203 miles
Chicago	Northwest	697 miles
Greensboro	South	110 miles
New York	Northeast	415 miles
Pittsburgh	Northwest	323 miles
Raleigh-Durham	Southeast	137 miles
Richmond	East	114 miles
Roanoke	West	54 miles
Washington, DC	Northeast	180 miles

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### Source

Virginia's Region 2000 Economic Development Council:  
<http://www.region2000.org/edc/maps/roads.htm>

### 3.5.2 Air

The major airport serving the Region 2000 communities is the Lynchburg Regional Airport which is located between U.S. 29 and U.S. 460, approximately 5.7 miles to the south of downtown Lynchburg. The airport's commercial passenger service is provided by two regional carriers: Delta Connection/Atlantic Southeast Airlines with service to Atlanta Hartsfield International Airport; US Airways Express/Shuttle America and Air Midwest Airlines with service to Pittsburgh and Charlotte International Airports. The Regional carriers offer 24 daily arrivals and departures from 6:00 a.m. to midnight.

The next closest airport is the Roanoke Regional Airport, located 43.5 miles west of Lynchburg on U.S. 460, which is serviced by five commercial and commuter airlines.

Air freight can be handled directly from Lynchburg Regional Airport by charter or commercial services. Five freight forwarding companies serve the area daily. Two private airports serve Lynchburg in addition to Lynchburg Regional Airport.

The following Commercial Air services are listed below with the approximate distance from Lynchburg and the airlines serviced.

#### **Lynchburg Regional Airport, Lynchburg 0.0miles (0.0 km.)**

- Delta Connection/Atlantic Southeast Airlines
- US Airways Express

#### **Roanoke Regional Airport, Roanoke 7.1 miles (11.4 km.)**

- Atlantic Southeast Airlines
- Comair
- Northwest Air-link
- United Express
- US Airways

#### **Shenandoah Valley Regional Airport, Staunton 33.7 miles (54.2 km.)**

- US Airways Express

#### **Charlottesville-Albemarle Airport, Charlottesville 41.9 miles (67.4 km.)**

- Comair/Delta Connection
- Northwest Airlines
- United Express
- US Airways Express

**Greenbrier Valley Airport, Lewisburg, WV 44.8 miles (72.2 km.)**

- Delta Airlines
- US Airways

**Sources**

*City of Lynchburg Solid Waste Management Plan* (February 2005)

Virginia Economic Development Partnership: <http://virginiascan.yesvirginia.org/>

### 3.5.3 Railways

Reliable rail transportation services for the region are provided by CSX Transportation, Norfolk Southern Railway Company and Amtrak.

**Sources**

Virginia's Region 2000 Economic Development Council:

<http://www.region2000.org/edc/maps/roads.htm>

Virginia Economic Development Partnership: <http://virginiascan.yesvirginia.org/>

## 3.6 Economic Growth

According to Region 2000's Economic Development Council, Region 2000 is a prosperous community with the infrastructure, resources and economic vitality needed to sustain business and industry. According to the Federal Deposit Insurance Corporation (FDIC), the first quarter unemployment rate in 2008 for the state of Virginia was 3.8 percent. The first quarter unemployment rate in 2008 for Appomattox County, Campbell County, Nelson County and the Cities of Lynchburg and Bedford were 4.5 percent, 3.6 percent, 3.4 percent, 4.6 percent and 5.2 percent respectively.

The economic strength of the region lies in its broad base of employers. These include numerous manufacturers (plastics, wireless communications equipment, materials handling equipment, etc.), two large nuclear firms with three percent of the region's workforce, major insurance firms, a sizeable medical complex and five colleges and universities. Over 20 percent of the workforce continues to be employed in the technology-based manufacturing sector.

Table 3-4 below shows the selected major manufactures in the Region.

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**Table 3-4**  
**Region 2000 - Selected Major Manufactures**

Name	Product	Approximate Employment
BWXT (McDermott Intl.)	Nuclear Fuel	2,200
AREVA	Nuclear Maintenance & Repairs	1,600
R.R. Donnelley Printing Company	Publishing, Printing	550
Ross Products (Abbott Laboratories)	Adult/Infant Nutritional	800
BGF Industries	Fiberglass Fabrics	700
Southern Air	Heating/Cooling Systems	750
M/A-COM	Communications Equipment	500
C. B. Fleet Co., Inc.	Pharmaceuticals	450
Griffin Pipe Co.	Gray & Ductile Iron Pipe	340
Progress Printing	Publishing, Printing	350
Timken, Inc.	Bearings Manufacturing	320
Schrader-Bridgeport	Tire Valves	300
Frito-Lay Inc.	Snack Foods	300
Tessy Plastics	Injection Molding	140
Belvac Production Machinery, Inc.	Can making Equipment	150

The following data in Tables 3-5 and 3-6 was taken from the Virginia Economic Development Partnership (VEDP) website and displays the percent employment by sector and occupation for each of the five communities. The average for the region is also shown. Note that the total percentage might not equal 100 percent. The reason is not explained by the VEDP but seems to be due to a rounding issue.

Table 3-5  
Region 2000- Percent Employment by Sector (1<sup>st</sup> Qtr. 2008)

Sector	Appomattox County	Campbell County	Nelson County	City of Bedford	City of Lynchburg	Region 2000 Average
Services	21.1	21.0	44.4	34.4	45.9	33.36
Government	26.1	15.6	18.9	17.4	9.9	17.58
Manufacturing	NA	21.6	7.1	13.8	16.0	14.63
Trade	17.7	16.8	7.5	16.9	16.4	15.06
Construction	10.7	14.7	9.4	10.1	3.0	9.58
Financial	2.0	3.1	3.3	3.5	6.0	3.58
Transportation & Utilities	3.4	5.0	2.8	1.1	2.0	2.86
Natural Resources and Mining	2.2	0.9	5.7	0.8	NA	2.4
Information	.4	1.3	0.8	1.9	0.9	1.02
<b>Total</b>	<b>83.6</b>	<b>100.0</b>	<b>99.9</b>	<b>99.9</b>	<b>100.1</b>	<b>100.07</b>

Table 3-6  
Region 2000 - Employment by Percent Occupation (1<sup>st</sup> Qtr. 2008)

Sector	Appomattox County	Campbell County	Nelson County	City of Bedford	City of Lynchburg	Region 2000 Average
Sales & Office	25.5	24.2	22.9	28.4	29.6	26.12
Managerial, Professional & Related	21.7	19.4	23.1	24.9	25.5	22.92
Service	15.4	14.4	28.2	15.9	18.2	18.42
Production, Transportation & Material Moving	21.1	23.8	9.6	17.5	18.8	18.16
Construction, Extraction & Maintenance	15.3	17.7	12.7	12.9	7.8	13.28
Farming, Fishing & Forestry	1.1	0.5	3.4	0.5	0.1	1.12
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>99.9</b>	<b>100.1</b>	<b>100.0</b>	<b>100.2</b>

### Sources

Virginia's Region 2000 Economic Development Council: <http://www.region2000.org/edc/business/eco-base.htm>

Virginia Economic Development Partnership – Community Profile: <http://virginiascan.yesvirginia.org/>



## Section 3

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### Additional Sources

Campbell County website: <http://www.co.campbell.va.us/>

U.S. Department of Labor, Bureau of Labor Statistics: <http://www.bls.gov/lau/>

Nelson County website: <http://www.nelsoncounty.com/>

City of Bedford website: <http://www.bedfordva.gov/>

City of Lynchburg website: <http://www.ci.lynchburg.va.us/>

FDIC: [http://www2.fdic.gov/recon/ovrpt.asp?CPT\\_CODE=E40&ST\\_CODE=51&RPT\\_TYPE=Tables](http://www2.fdic.gov/recon/ovrpt.asp?CPT_CODE=E40&ST_CODE=51&RPT_TYPE=Tables)

## Section 4

# WASTE GENERATION AND COMPOSITION

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### 4.1 Introduction

The member jurisdictions have agreed to use their existing disposal facilities together via regionalization, operating under a regional Services Authority (Authority). Under this scenario, member jurisdictions of the Authority would send their solid waste to either the Campbell County (Campbell) or City of Lynchburg (Lynchburg) landfills. The member jurisdictions include:

- Appomattox County
- City of Bedford
- Campbell County
- City of Lynchburg
- Nelson County

This would mean that only one of the two landfills would operate at a single time. The City of Lynchburg's landfill would be utilized first. The Campbell landfill would become inactive until the Lynchburg landfill reaches capacity. Although the Campbell landfill would not initially accept waste for disposal, operations would continue to occur from a regulatory perspective (e.g., environmental monitoring, post-closure of closed landfills, site maintenance). This approach provides an opportunity to maximize the use of resources and increase economies of scale.

Under this approach, the landfills would have approximately 14.1 years of capacity assuming a regional start date of July 1, 2008. The following information is based on information gathered from the member jurisdictions as well as statistics derived from the April 2006 Regional Solid Waste Management Financial, Operational and Regulatory Analysis report and the April 2005 Regional Solid Waste Management Analysis. Both reports were written by R. W. Beck.

The purpose of this section is to estimate the quantities of solid waste that will require disposal over the next 20 years from calendar year (CY) 2007 through 2027. R. W. Beck completed this analysis based on tonnage data provided by the member jurisdictions, as well as an assumed annual tonnage growth rate of 0.25 percent. The waste stream projections include both waste generated from the member jurisdictions, as well as waste disposed by commercial collection companies currently operating within those jurisdictions.

## 4.2 Historical Tonnage Amounts

R. W. Beck reviewed historical tonnage amounts from the five year period from 2003 through 2007 to gain a better understanding how much solid waste was disposed of during this time period.

R. W. Beck evaluated historical tonnage data provided by each of the communities included in the study. Table 4-1 summarizes the amount of solid waste disposed of from 2002 through 2007 by each of the member jurisdictions. Over this time period, total tonnage from the member jurisdictions increased from 223,353 tons in 2002 to 253,366 tons in 2007. Based on the amount from 2007, these communities disposed of approximately 975 tons per day based on an operation of five days per week<sup>1</sup> and 812 tons per day based on an operation of six days per week. Based on these amounts, R. W. Beck assumed that a regional facility would need a disposal rate of 900 tons per day.

**Table 4-1**  
**Member Jurisdictions' Landfill Disposal (Tons) 2003-2007**

Calendar Year	Appomattox County	Campbell County	City of Lynchburg	City of Bedford	Nelson County	Total
2003	11,627	34,126	167,583	15,093	11,992	240,421
2004	12,639	42,575	172,968	5,958	13,510	247,650
2005	4,477	50,376	177,027	7,397	13,395	252,672
2006	1,369	60,293	181,517	7,365	14,238	264,782
2007	3,247	48,669	186,560	2,370	12,520	253,366
<b>2007 Tons per Day</b>						
5 days per week	13	187	718	9	48	975
6 days per week	10	156	598	8	40	812

Notes:

Tons per day based on 2007 tonnages.

The 2006 Campbell County landfill tonnage includes tonnage from Appomattox County.

Starting in 2005, Appomattox County began hauling some material to the Campbell County and City of Lynchburg landfills. This tonnage is reflected in the appropriate landfill. The tonnage from Appomattox County is expected to continue to be taken to the regional landfill once the Authority begins operations in July 2008 and therefore was included in the analysis.

<sup>1</sup> R. W. Beck calculated the tons per day based on a five day per week basis to provide an understanding of peak waste flows. For example, while facilities may be open Monday through Saturday, they will typically receive higher quantities of waste during weekdays.

### 4.3 Projected Tonnage Amounts (2007–2027)

The following section forecasts tonnage amounts from calendar year 2007 through 2027. These projections are all based on assumptions relating to the base year of 2007. Tonnage projections are based on the following:

- Historic figures,
- Form 50-25 submittals to DEQ by member jurisdictions,
- Conversations with staff from the member jurisdictions
- And an assumed population growth of 0.25 percent.

Table 4-2 presents the 2007 base year data plus the tonnage projections.

Table 4-2  
Projected Region 2000 Landfill Disposal (Tons) 2007-2027

Calendar Year	Appomattox County	Campbell County	City of Lynchburg	City of Bedford	Nelson County	Total
2007	3,247	48,669	186,560	2,370	12,520	253,366
2008	3,255	48,791	187,027	2,376	12,551	253,999
2009	3,263	48,913	187,494	2,382	12,582	254,634
2010	3,271	49,035	187,963	2,388	12,614	255,271
2011	3,280	49,158	188,433	2,394	12,645	255,909
2012	3,288	49,280	188,904	2,400	12,677	256,549
2013	3,296	49,404	189,376	2,406	12,709	257,190
2014	3,304	49,527	189,850	2,412	12,741	257,833
2015	3,313	49,651	190,324	2,418	12,772	258,478
2016	3,321	49,775	190,800	2,424	12,804	259,124
2017	3,329	49,900	191,277	2,430	12,836	259,772
2018	3,337	50,024	191,755	2,436	12,868	260,421
2019	3,346	50,149	192,235	2,442	12,901	261,072
2020	3,354	50,275	192,715	2,448	12,933	261,725
2021	3,363	50,400	193,197	2,454	12,965	262,379
2022	3,371	50,526	193,680	2,460	12,998	263,035
2023	3,379	50,653	194,164	2,467	13,030	263,693
2024	3,388	50,779	194,650	2,473	13,063	264,352
2025	3,396	50,906	195,136	2,479	13,095	265,013
2026	3,405	51,034	165,624	2,485	12,128	265,676
2027	3,413	51,161	196,113	2,491	13,161	266,340

## 4.4 Theoretical Waste Generation Projections by Category

Appendix K contains a table which summarizes the theoretical waste generation projections by category for each member jurisdiction.

## 4.5 Remaining Landfill Capacity and Site Life

### 4.5.1 Lynchburg Landfill

The City of Lynchburg is currently operating in Phase III of its active four-phase landfill. The City is in the process of excavating material for daily and intermediate cover from the final permitted phase. The City currently anticipates final design and construction of Phase IV to occur during fiscal year 2008. Table 4-3 summarizes the remaining capacity of each phase of the active landfill as of approximately July 2008.

Table 4-3  
City of Lynchburg Landfill – Remaining Capacity at July 2008

Phase	Design Capacity (cubic yards)	Percent Capacity Remaining	Remaining Capacity (cubic yards)
I	951,800	28.9%	275,392
II	1,022,300	22.0%	224,424
III	1,742,100	28.7%	499,445
IV	644,700	100.0%	644,700
<b>TOTAL</b>	<b>4,360,900</b>	<b>37.7%</b>	<b>1,643,961</b>

Source: City of Lynchburg Form 50-25 and survey data.

Based on the current disposal rate and a reported airspace utilization factor (AUF) of 1,650 pounds per cubic yard, R. W. Beck estimates the City of Lynchburg landfill would reach capacity in September 2015 if *not* operated as a regional landfill.

### 4.5.2 Campbell County Landfill

Campbell County began placing waste in Cell 5 of Phase III in October 2004. Phase III includes two additional cells – Cells 6 and 7 (not developed). The County has also permitted a five-cell Phase IV landfill. Table 4-4 summarizes the remaining landfill capacity of the Campbell County landfill as of January 1, 2007.



## WASTE GENERATION AND COMPOSITION

Table 4-4  
Campbell County Landfill – Remaining Capacity at August 2008

Phase	Design Capacity (cubic yards)	Percent Capacity Remaining	Remaining Capacity (cubic yards)
III-5	413,036	52.2%	215,457
III-6	405,729	100%	405,729
III-7	643,318	100%	643,318
IV	1,525,828	100%	1,525,828
<b>TOTAL</b>	<b>2,987,911</b>	<b>93.4%</b>	<b>2,790,332</b>

1. Source: Campbell County Form 50-25
2. Cells 1-4 of Phase III are assumed to be at capacity.

Based on the current disposal rate, a reported waste density of 1,273 pounds per cubic yard and a cover soil usage of five percent of the waste volume, R. W. Beck estimated that Phase III of the Campbell County landfill would reach final capacity in September 2022 if *not* operated as a regional landfill. If Campbell County develops Phase IV of the landfill, R. W. Beck estimates the site will reach capacity in September 2041, if *not* operated as a regional landfill.

### 4.5.3 Appomattox County Landfill

The Appomattox County landfill was permitted on February 12, 1973 as Permit 86. The site is approximately 240 acres in size and is located on State Route 632, east of the Town of Appomattox. The landfill consists of eight cells (Cells A – G, and I), an area (formerly identified as Cell H) which is now dedicated to a tire recycling operation, and an expansion area which includes Cells J and K. Cells A – G were previously closed, and Cell I was capped in 2009 but final certification from DEQ has not been received at this time.

The proposed expansion area consisting of Cells J and K is undergoing permitting which has proceeded through the public comment period and draft permit process. The final permit has not yet been issued. Cell J is estimated to have a capacity of 1.1M cubic yards and Cell K to have an estimated capacity of 0.23M cubic yards.

The Appomattox County landfill including Cells J and K is not part of the Regional landfill capacity. A letter is included in Appendix L from Appomattox County indicating this. Cells J and K will not be constructed but they will remain dormant. In the future, should the County elect to leave the Regional Authority (which will require modification to the Member Use Agreement) to resume landfill operations on their site, DEQ will be duly notified and the Regional Solid Waste Management Plan will be modified.

Although the landfill has ceased accepting waste and capped the last of the disposal areas, three operations within the landfill property will continue to support the solid waste activities in the County and the Region. These are identified as follows:

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- Emanuel Tire Material Recovery Facility, PBR 547: This facility processes tires in to tire shred for use as an engineered product. The permit by rule was issued on December 15, 2009. This facility is privately owned and operated and receives tires from multiple locations and businesses throughout Virginia including the Region 2000 area. Under this permit by rule the facility may receive an average rate of 150 tons per day and a maximum of 250 tons per day.
- Appomattox County recycling facility: This facility is located within the County's original baling facility permitted as PBR # 163. The original baling facility was used to bale municipal solid waste prior to placement in the landfill. With the closure of the landfill and membership in Region 2000, the baling operation for MSW waste is no longer necessary. The County has retrofitted this operation and it is now being used to process recyclables including mixed paper, cardboard, and plastics. Currently the recyclables come from the County's collection system or from residents or businesses that self haul to the facility. However, in the future, the County would be interested in expanding this facility to meet the needs of the Region.
- Appomattox County wood waste grinding operation: This operation is located in an area within the landfill property which is used by the County to stock pile wood waste, yard waste and brush generated within Appomattox County. Periodically, the County contracts to have this material ground for mulch which is then distributed to end users.

### 4.5.4 Life of Regionally Operated Landfills

Estimates provided in this section will likely change depending on factors such as operations, tonnage flow and types of materials received. R. W. Beck would recommend that the Authority update the remaining capacity projections annually. Table 4-5 estimates the remaining landfill capacity available to the Authority as of July 2008.

Table 4-5  
Estimated Authority Landfill Capacity at July 1, 2008, in cubic yards

Landfill	Estimated Capacity as of July 1, 2008
Lynchburg	1,643,961
Campbell	2,790,332
<b>TOTAL</b>	<b>4,434,293</b>

Based on the estimated capacity remaining as of July 1, 2008, a site life analysis was performed to determine the approximate life of each landfill operating as the regional facility. The analysis also assumed that the Authority would accept waste from Appomattox County, the City of Bedford and Nelson County beginning July 2008.

The site life analysis assumes that each landfill, when operated by the Authority, will perform similarly. For example, since each active landfill will dispose of approximately the same tonnage of waste annually, a similar amount of daily cover material will be used. In addition, the same equipment will be employed at each active landfill thus achieving similar compaction rates.

For the purposes of the site life analysis, R. W. Beck assumed that each regionally operated landfill will achieve an AUF similar to the City of Lynchburg's current operation. The City currently achieves an AUF of about 1,650 pounds per cubic yard based on the amount of waste disposed, including sludge from the City's wastewater treatment plant, and soil cover used. However, the City is currently evaluating land application of sludge as an alternative to landfill disposal. If the sludge is not disposed, the AUF would decrease to about 1,300 pounds per cubic yard.

Table 4-6 indicates the approximate life of each landfill in years and the predicted date when each facility will begin operation as the regional landfill.

**Table 4-6**  
**Authority Site Life Summary (Start Date July 2008)**

Landfill	Life (in years)	Open Date
Lynchburg	5.3	7/1/2008
Campbell	8.8	10/1/2013
<b>TOTAL</b>	<b>14.1</b>	<b>7/1/2008</b>

Note: Assumes an AUF of 1,650 pounds per cubic yard for the Lynchburg and Campbell Landfills.

The site life analysis results above reflect the use of modified site specific information related to waste compaction densities, cover soil usage and types of material accepted (i.e., WWTP sludge). It assumes that when each landfill is operated by the Authority (rather than two independent operators operating under different conditions), operations at each site will be more similar. This translates into a longer site life based on higher AUFs for the two landfills combined compared to current operations at each facility. R. W. Beck estimates that the two landfills will provide the Authority with disposal capacity starting in July 2008 for about 14 years. Additional disposal options past the estimated 14.1 years life span of the two regionally operated landfills is addressed in Section 7.8.

### **4.5.5 Sequencing of Landfills and Timing of New Cell Development**

Although the City of Lynchburg landfill does not have the greatest operational capacity remaining, it is most prepared to operate as the regional facility. In order to accept significant increases in waste quantities, the Campbell County landfill would require several capital improvements.

Once the Lynchburg landfill reaches capacity, all waste would go to the Campbell County landfill. In order to ensure that landfill space does not expire before a facility,

or new cell, is ready to operate, the Authority will want to plan and implement capital improvements and cell development in a timely manner. New cells should be ready at a minimum six months, recommended one year, before the developed capacity is anticipated to expire. The Authority should re-evaluate the remaining capacity on an annual basis.

### 4.6 Additional Materials and Special Wastes

The three operating landfills in the region (Campbell County, Appomattox County and the City of Lynchburg) track their waste in accordance with the categories outlined in DEQ Form 50-25 which includes the following:

- Municipal Solid Waste
- Construction/Demolition/Debris
- Industrial Waste
- Regulated Medical Waste
- Vegetative/Yard Waste
- Incinerator Ash
- Sludge
- Tires
- White Goods
- Friable Asbestos
- Petroleum Contaminated Soil

Only those facilities that treat, store or dispose of solid waste must complete Form 50-25 due to DEQ by March 31 of each year (9VAC 20-130-165.A). The Communities track the following materials under their recycling programs. These materials are listed under 9 VAC 20-130-150.3 as special wastes:

- Waste Tires
- Used Oil
- Used Oil Filters
- Used Anti-Freeze
- Abandoned Automobiles Removed
- Batteries

Septage is not accepted at the landfills and is not tracked by the localities under the solid waste programs. Spill residues, if meeting the allowable limits of the regulations, would be recorded as “Other” on Form 50-25. Tables 4-7 through 4-9 summarize the waste types that were handled by the two participating landfills for Calendar Year 2007.

## WASTE GENERATION AND COMPOSITION

Table 4-7  
DEQ Form 50-25 (Solid Waste Information & Assessment Program Reporting) – City of Lynchburg (2007)

Waste Type	Total Waste Received	Recycled On-Site	Composted On-Site	Landfilled On-Site	Incinerated On-Site	Sent Off-Site to be:		Stored On-Site:		Other	
						Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
Municipal Solid Waste	129,409.32	0.00	0.00	129,409.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Construction/Demolition Debris	369.83	0.00	0.00	67.18	0.00	0.00	0.00	0.00	0.00	369.83	0.00
Industrial Waste	52,072.42	16,309.52	0.00	35,762.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regulated Medical Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vegetative/Yard Waste	5,362.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,362.16	0.00
Incineration Ash	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sludge	21,387.99	0.00	0.00	21,387.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	52.41	0.00	0.00	0.00	0.00	52.41	0.00	0.00	0.00	0.00	0.00
White Goods	164.91	0.00	0.00	0.00	0.00	164.91	0.00	0.00	0.00	0.00	0.00
Friable Asbestos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Contaminated Soil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>208,819.04</b>	<b>16,309.52</b>	<b>0.00</b>	<b>186,560.21</b>	<b>0.00</b>	<b>217.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5,731.99</b>	<b>0.00</b>



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**Table 4-8**  
**DEQ Form 50-25 (Solid Waste Information & Assessment Program Reporting) – Appomattox County (2007)**

Waste Type	Total Waste Received	Recycled On-Site	Composted On-Site	Landfilled On-Site	Incinerated On-Site	Sent Off-Site to be:		Stored On-Site:		Other	
						Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
Municipal Solid Waste	1,942.00	0.00	0.00	1,942.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Construction/Demolition Debris	2,262.00	0.00	0.00	827.00	0.00	0.00	0.00	71.00	62.00	153.00	1,291.00
Industrial Waste	478.00	0.00	0.00	478.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regulated Medical Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vegetative/Yard Waste	416.00	0.00	0.00	0.00	0.00	0.00	0.00	188.00	171.00	411.00	22.00
Incineration Ash	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sludge	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Goods	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Friable Asbestos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Contaminated Soil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Wastes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>5,098</b>	<b>0.00</b>	<b>0.00</b>	<b>3,247.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>259.00</b>	<b>233.00</b>	<b>564.00</b>	<b>1,313.00</b>

## WASTE GENERATION AND COMPOSITION

Table 4-9  
DEQ Form 50-25 (Solid Waste Information & Assessment Program Reporting) – Campbell County (2007)

Waste Type	Total Waste Received	Recycled On-Site	Composted On-Site	Landfilled On-Site	Incinerated On-Site	Sent Off-Site to be:		Stored On-Site:		Other	
						Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period	Mulched	Other Than Mulched
Municipal Solid Waste	30,035.00	0.00	0.00	30,035.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Construction/Demolition Debris	4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Waste	11,961.00	0.00	0.00	11,961.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regulated Medical Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vegetative/Yard Waste	830.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	830.00	0.00
Incineration Ash	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sludge	2,373.00	0.00	0.00	2,373.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tires	279.00	0.00	0.00	0.00	0.00	279.00	0.00	0.00	0.00	0.00	0.00
White Goods	79.00	0.00	0.00	0.00	0.00	79.00	0.00	0.00	0.00	0.00	0.00
Friable Asbestos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Contaminated Soil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Wastes	540.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	540.00
<b>Total</b>	<b>50,397.00</b>	<b>0.00</b>	<b>0.00</b>	<b>48,669.00</b>	<b>0.00</b>	<b>358.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>830.00</b>	<b>540.00</b>

### 4.6.1 Waste Generated Outside of the Commonwealth

Virginia Waste Management Board's regulations for Solid Waste Management Planning 9 VAC 20-130-165 stipulate that the regional solid waste management plant identify and estimate the amount of waste generated outside of the Commonwealth and the jurisdictions where such waste originated. No waste from outside the Commonwealth was disposed of in the Campbell County Sanitary Landfill, Appomattox County Landfill or the City of Lynchburg Landfill in 2007.

## 4.7 Waste Stream Composition

In form DEQ 50-25, DEQ identifies 11 waste categories for tracking in addition to a category for other types of materials. The following three pie diagrams (Figures 4.1, 4.2 and 4.3) illustrate the difference in the waste stream composition (total waste received) by the top six categories for the City of Lynchburg, Campbell County and Appomattox County landfills.

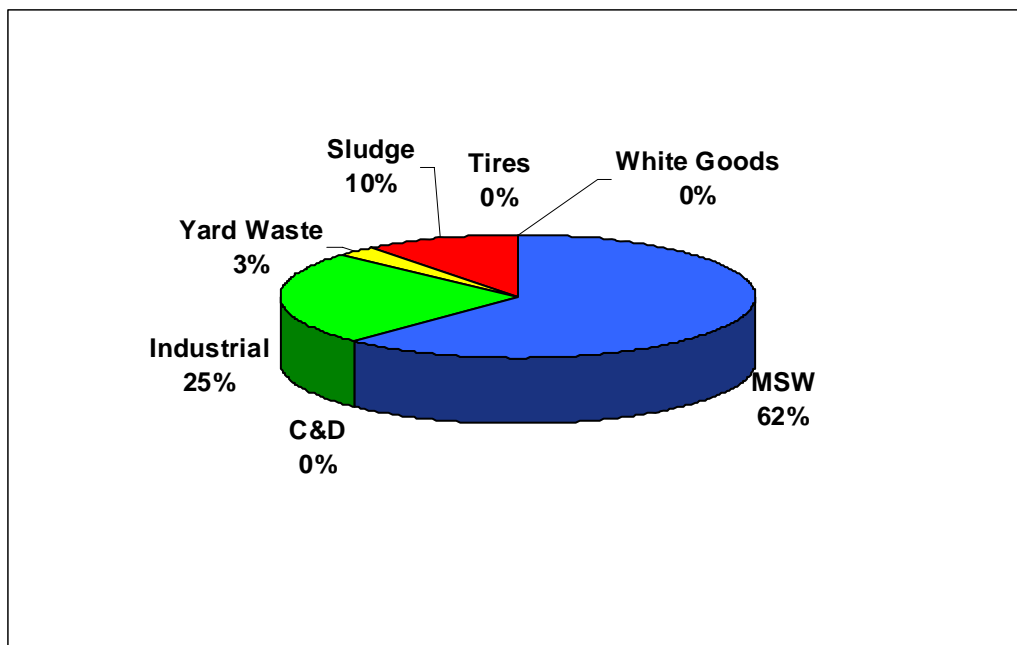


Figure 4-1: Waste Stream Composition – City of Lynchburg Landfill (2007)

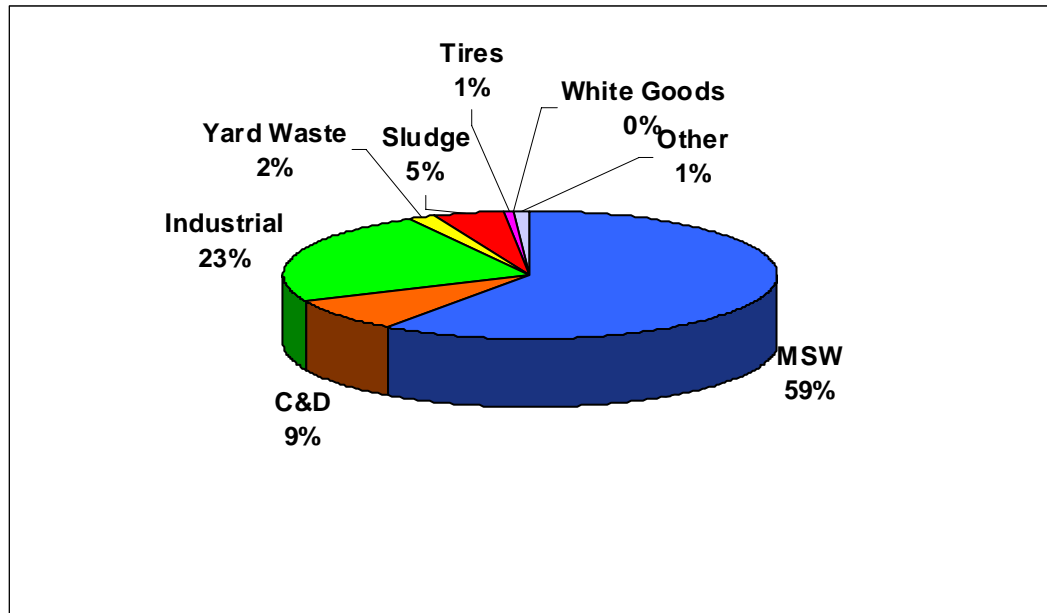


Figure 4-2: Waste Stream Composition – Campbell County Landfill (2007)

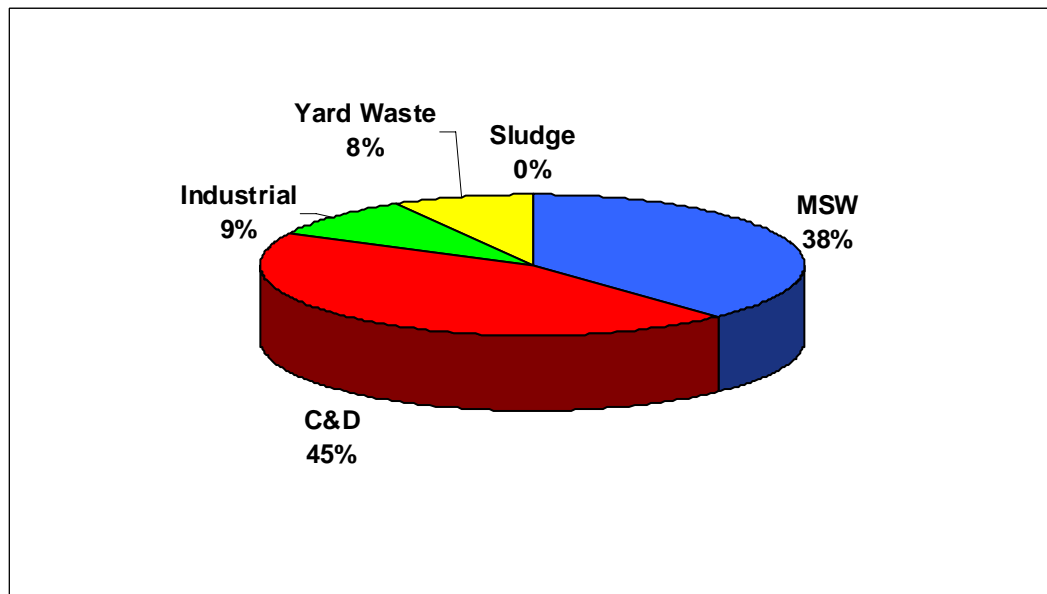


Figure 4-3: Waste Stream Composition – Appomattox County Landfill (2007)



## Section 5

# EXISTING SOLID WASTE MANAGEMENT SYSTEM

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Section 5.1 describes the major components of the Region's current solid waste management system (as taken from the individual communities' solid waste management plans and discussions with the communities). Section 5.2 details the tons recycled in 2007 by material type and the individual communities recycling rates.

## 5.1 Highlights from the Current Solid Waste Management System for Appomattox, Campbell and Nelson Counties and the Cities of Bedford and Lynchburg

All information detailed in Section 5.1 was taken from the following seven reports listed below, recycling data from Form 50-30's from individual communities, and follow up conversations with the individual communities. The remaining landfill tonnage data for Campbell County and the City of Lynchburg was derived in Section 4.0. Note that the landfill and collection information detailed on the original plan highlights is subject to change with the creation of the new Regional authority.

1. Appomattox County Solid Waste Management Plan, September 2005
2. Campbell County, Town of Altavista, Town of Brookneal Solid Waste Management Plan, June 2004.
3. Thomas Jefferson Planning District Commission (Nelson County), February 2005.<sup>1</sup>
4. City of Bedford Solid Waste Management Plan, January 2007.
5. City of Lynchburg Solid Waste Management Plan, February 2005.
6. Region 2000, Regional Solid Waste Management Analysis, April 2005.
7. Region 2000, Regional Solid Waste Management Financial, Operational and Regulatory Analysis, April 2006

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<sup>1</sup> Nelson County was previously a member of the Thomas Jefferson Planning District Commission (TJPDC) but is now part of Region 2000. TJPDC completed the regional solid waste management plan in February 2005 and Nelson County adopted the plan in October 2006. This region consisted of the following localities: the Counties of Albemarle, Fluvanna, Greene, the City of Charlottesville, and the towns of Columbia, Scottsville, and Stanardsville.

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### 5.1.1 System Components

The major plan components (including collection, disposal, and recycling methods) for the residential, commercial and industrial solid waste management system for the five communities that make up Region 2000 are listed in Table 5-1.

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## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

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Table 5-1  
Components of the Solid Waste System

Locality & Year Plan Submitted	Major Plan Components
Appomattox County	<p><b><u>Main Disposal Site</u></b></p> <ul style="list-style-type: none"><li>▪ Landfill Name: Appomattox County Sanitary Landfill – Permit # 086</li><li>▪ Year Established: February 12, 1973</li><li>▪ Unit Status: Cells A - G closed and under post closure care;</li><li>▪ Unit Status: Cell I (final cell) capped in October 2009 and awaiting final certification. Will then enter post closure care for 30 years.</li><li>▪ Unit Status: Cells J – K under DEQ permitting; (will be put on hold once permitted); Not part of Region 2000 capacity</li><li>▪ County sends all waste to a Region 2000 landfill.</li><li>▪ Materials Accepted: Landfill is not operating but within landfill site the following operations are being maintained: wood waste , yard waste and brush collection and grinding; scrap metal collection and recycling; Emanuel Tire – tire processing under PBR 547; recycling center</li></ul> <p><b><u>Residential Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ County collection – Citizens self haul to 7 convenience centers; County hauls from convenience centers to the Regional landfill. Some citizens contract directly for private collection</li><li>▪ Town of Pamplin – residential collection by private hauler; curbside 1/week; citizens can self haul to convenience centers</li><li>▪ Town of Appomattox – residential collection by private company; curbside 1/week;citizens can self haul to convenience centers</li></ul> <p><b><u>Commercial Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Businesses and industries: Self haul to Regional landfill or contract with private hauler</li></ul> <p><b><u>Residential Recycling</u></b></p> <ul style="list-style-type: none"><li>▪ Program Description: Drop off at convenience centers</li></ul>

## Section 5

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Locality & Year Plan Submitted	Major Plan Components
	<ul style="list-style-type: none"><li>Materials Collected: Cardboard, Mixed paper, scrap metal, plastic, wood waste, electronics, aluminum, grocery bags and textiles.</li><li>Processing Facility: County processes cardboard, mixed paper and plastics at recycling facility; scrap metal is stockpiled at landfill site and then collected by private company; wood waste is stockpiled and ground; electronics are stockpiled then sent to a private company. Textiles are collected by a private company at each of the convenience sites.</li></ul> <p><b><u>Commercial Recycling</u></b></p> <ul style="list-style-type: none"><li>Program Description: County has placed boxes for cardboard collection at 10± businesses in the County. Businesses can also use the drop off facilities at the convenience centers or bring recyclable materials to the recycling facility. In addition, many businesses contract directly for recycling.</li><li>Materials Collected: Cardboard, mixed paper, plastics, metals, wood and wastes</li></ul> <p><b><u>Yard Waste</u></b></p> <ul style="list-style-type: none"><li>Program Description; Drop-off - direct haul to landfill</li><li>Processing Facility: Appomattox County Sanitary Landfill – Chipped on site, given to residents for free</li><li>Materials Collected: Leaves, grass clippings, brush and tree trimmings</li></ul> <p><b><u>Bulky Items (Not white goods)</u></b></p> <ul style="list-style-type: none"><li>Program Description (i.e. curbside or drop-off): County – Drop-off at convenience centers then hauled by County to Regional Landfill;</li><li>Processing Facility: Not processed but sent to Regional Landfill. In the future, the County may establish a reuse site to collect useful materials for the public to use.</li><li>Materials Collected: Furniture, demolition materials etc.</li></ul> <p><b><u>Bulky Items ( white goods)</u></b></p> <ul style="list-style-type: none"><li>Program Description (i.e. curbside or drop-off): County – Drop-off at convenience centers then hauled by County to landfill scrap metal pile;</li><li>Processing Facility: Stockpiled then collected by private company for recycling</li><li>Materials Collected: White goods (Stoves, washers, dryers, freezers, refrigerators)</li></ul>

## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

Locality & Year Plan Submitted	Major Plan Components
Campbell County	<p><b><u>Main Disposal Site</u></b></p> <ul style="list-style-type: none"><li>▪ Landfill Name: Campbell County Sanitary Landfill</li><li>▪ Year Established: October 26, 1979 (Permit # 285)</li><li>▪ Materials Accepted: MSW, commercial, CDD, non-hazardous industrial waste, tires, white goods, yard waste and recyclables</li><li>▪ Remaining Capacity as of August 2008: 2,790,332 CY (See Section 4.4.2 for assumptions)</li><li>▪ Equipment: One Compactor, two Track loaders, one Track Hoe, one Scraper, one Tank Trailer, one Lowboy Trailer, one Mad Vac Trailer, one Tractor with Bushhog, one Brush Chipper and three Personnel Vehicles</li></ul> <p><b><u>Residential Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Who collects: In County - Private Haulers or self-haul to one of nine convenience centers. In Towns of Altavista &amp; Brookneal - Curbside</li><li>▪ Collection Frequency: Within County – Citizens with private collection - Once per week or Residents may drop off at one of nine convenience centers. Towns of Altavista &amp; Brookneal – Once per week.</li><li>▪ Container(s) used: County residents with private collection – 30-gallons. Town of Altavista – maximum of 30-gallons. Town of Brookneal – 30-gallons.</li><li>▪ Drop-off Centers: County residents may utilize one of nine convenience centers operated by County.</li></ul> <p><b><u>Commercial Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Who collects: Private Haulers for customers within Campbell County. Town of Brookneal and Town of Altavista provide limited collection or self-hauled to landfill.</li><li>▪ Type of Service Provided (i.e. front load, roll-off): Majority front load or roll-offs.</li></ul> <p><b><u>Residential Recycling</u></b></p> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Drop-off to Sanitary Landfill or private haulers will collect.</li><li>▪ Materials Collected: newspaper and newspaper inserts, paper products, cardboard, metal, bi-metal, aluminum, wood waste, waste tires, used oil, abandoned automobiles, batteries and electronics</li><li>▪ Processing Facility: Recyclables collected at Campbell County Sanitary Landfill. Various vendors process materials. Some residents bring directly to vendor for processing.</li></ul>

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Locality & Year Plan Submitted	Major Plan Components
	<p><b><u>Commercial Recycling</u></b></p> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Drop-off to Sanitary Landfill and some private haulers will collect.</li><li>▪ Who Collects: Brought to Landfill or self-hauled to vendor for processor</li></ul> <p><b><u>Yard Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): County Residents – Drop-off and chipped at Sanitary Landfill. Town of Altavista – collected curbside and brought to Campbell County Sanitary Landfill. Town of Brookneal – Collected curbside and kept with Town.</li><li>▪ Processing Facility: Campbell County Sanitary Landfill – Chipped on site, given to residents for free</li><li>▪ Materials Collected: Leaves and grass clippings</li><li>▪ Tons Recycled (2006): 1,046.3 (includes wood waste)</li></ul> <p><b><u>Bulky Items</u></b></p> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): County – Drop-off only. Town of Altavista – curbside. Town of Brookneal - curbside</li><li>▪ Processing Facility: Dropped off at Convenience Centers or Sanitary Landfill</li><li>▪ Materials Collected: Various vendors. Tire and white goods recycling and scrap metal recycling. Pay somebody to take Freon out of refrigerators.</li><li>▪ Tons recycled (2006): 106.0</li></ul>
Nelson County	<p><b><u>Disposal Site:</u></b></p> <ul style="list-style-type: none"><li>▪ Transfer Station Name: Nelson County Transfer Station</li><li>▪ Year Established: 1994</li><li>▪ Materials Accepted: Household waste, C&amp;D &amp; commercial waste, recycling</li><li>▪ Starting July 2008, County will send waste to a Region 2000 landfill.</li></ul> <p><b><u>Residential Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Who collects: Private haulers &amp; self-delivery to transfer station &amp; collection centers</li><li>▪ Collection Frequency: Containers are picked up when full (average of once a week)</li></ul>

## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

Locality & Year Plan Submitted	Major Plan Components
	<ul style="list-style-type: none"><li>▪ Container(s) used: 40 yd. compactor cans; 30 yd. recycle containers and 30 yd. open-tops</li><li>▪ Drop-off Centers: one staffed collection center, 10 unsupervised dumpster sites, four recycle sites at schools (at the end of 2007, there will be three staffed sites, six unsupervised dumpster sites and four recycle sites at schools)</li></ul>
	<b><u>Commercial Solid Waste</u></b> <ul style="list-style-type: none"><li>▪ Who collects: Private haulers or self-delivery to landfill</li><li>▪ Type of Service Provided (i.e. front load, roll-off): Front load, open-top roll-offs and private vehicles</li></ul>
	<b><u>Residential Recycling</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Self-haul to green-boxes</li><li>▪ Materials Collected: Mixed paper and commingled glass, plastics and metals</li><li>▪ Processing Facility: Rockfish Collection Center, Transfer Station and recycling containers at Lovington, Mac's Market, Faber, Montebello, Wintergreen and schools</li></ul>
	<b><u>Commercial Recycling</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Private Haulers &amp; self-haul to transfer station or end user (MRF, etc.)</li><li>▪ Who Collects: All private</li></ul>
	<b><u>Yard Waste</u></b> <ul style="list-style-type: none"><li>▪ Program Description: Self drop-off and commercial haul</li><li>▪ Processing Facility: Transfer Station and one private stump-grinding facility</li><li>▪ Materials Collected: Grass, leaves and limbs at Transfer Station; stumps and tree trunks at private facilities</li><li>▪ Tons Recycled (2006): 2,250.4</li></ul>
	<b><u>Bulky Items</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Drop-off</li><li>▪ Processing Facility: Primarily Transfer Station, with limited drop-off at open-top sites</li><li>▪ Materials Collected: White goods, furniture, mowers, etc.</li><li>▪ Tons recycled (2006): 199</li></ul>



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Locality & Year Plan Submitted	Major Plan Components
City of Bedford	<p><b><u>Main Disposal Site:</u></b></p> <ul style="list-style-type: none"><li>▪ Name: City of Bedford Sanitary Landfill</li><li>▪ Year Established: 1962</li><li>▪ New Transfer Station (150 tpd capacity) and Compost Facility began operations in January 2007</li><li>▪ 38 Tons/day taken to Landfill (according to SWMP). 20 of 38 tons originating from Transfer Station and taken to Landfill is MSW. Remaining 18 tons C&amp;D, special waste, yard, white goods, etc.</li><li>▪ Estimated remaining capacity of Landfill (2005): Three years</li><li>▪ Starting July 2008, County will send waste to a Region 2000 landfill.</li><li>▪ Equipment: – Track Loader, Front End Loader, Rubber Tire Loader, Road Tractor for hauling, two walking floor trailers, back hoe, pick up truck, tub grinder, bush hog, yard dog (tractor to pull the trailers around), Two 20-cy open top containers for bulk and white goods; Trammel screen for compost operation, electric mixer to mix compost and sludge</li></ul> <p><b><u>Residential Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Who collects: City</li><li>▪ Collection Frequency: Once per week</li><li>▪ Container(s) used: City does not provide</li><li>▪ Drop-off Centers: Transfer Station</li></ul> <p><b><u>Commercial Solid Waste</u></b></p> <ul style="list-style-type: none"><li>▪ Who collects: Private Haulers</li><li>▪ Type of Service Provided (i.e. front load, roll-off): Side-load</li></ul> <p><b><u>Residential Recycling</u></b></p> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Curbside and drop-off</li><li>▪ Materials Collected: newspaper, plastic, aluminum, tin cans, green, brown and clear glass, cardboard, mixed paper</li><li>▪ Processing Facility: Bryant Salvage in Madison Heights, VA</li></ul> <p><b><u>Commercial Recycling</u></b></p>

## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

Locality & Year Plan Submitted	Major Plan Components
	<ul style="list-style-type: none"> <li>▪ Program Description (i.e. curbside or drop-off): Curbside</li> <li>▪ Who Collects (2006): City of Bedford but some entities have own recycling program. City collects mixed paper only</li> </ul> <p><u>Yard Waste</u></p> <ul style="list-style-type: none"> <li>▪ Program Description (i.e. curbside or drop-off)</li> <li>▪ Processing Facility: City of Bedford Compost Facility</li> <li>▪ Materials Collected: Brush, yard debris, leaves, bio-solids</li> <li>▪ Tons Recycled (2006): 1,216.0 (includes wood waste)</li> <li>▪ All yard waste and brush ground up and sold as mulch – most goes into compost</li> <li>▪ Selling for \$40/ton.</li> </ul> <p><u>Bulky Items</u></p> <ul style="list-style-type: none"> <li>▪ Program Description (i.e. curbside or drop-off): Drop-off</li> <li>▪ Processing Facility: Located in Montvale, Va.</li> <li>▪ Materials Collected: Refrigerators (Freon must be removed first), washing machines, stoves, dryers, etc.</li> <li>▪ Tons recycled (2006): 467</li> </ul>
City of Lynchburg	<p><u>Main Disposal Site</u></p> <ul style="list-style-type: none"> <li>▪ Name: City of Lynchburg Waste Management Landfill</li> <li>▪ Year Established: 1994</li> <li>▪ Materials Accepted: MSW, commercial, non-hazardous industrial, tires, white goods, yard waste and metals</li> <li>▪ Remaining Capacity as of July 2008: 1,643,961 CY (See Section 4.4.1 for assumptions)</li> <li>▪ Equipment: Three Compactors, two Dozers, one Track loader, two Wheel loaders, one Scraper, one Dump Truck, three Hook-lift Trucks, one Street Flusher, one Fuel Truck, one Service Truck, one Forklift, one Flatbed Trailer, one Tractor with Bushhog, one Riding Mower, and five Personnel Vehicles</li> </ul> <p><u>Residential Solid Waste</u></p> <ul style="list-style-type: none"> <li>▪ Who collects: City curbside, self-haul and private sector</li> <li>▪ Collection Frequency: once per week</li> </ul>

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Locality & Year Plan Submitted	Major Plan Components
	<ul style="list-style-type: none"><li>▪ Container(s) used: 32 and 64-gallon</li><li>▪ Drop-Off Centers: City of Lynchburg WM Landfill</li></ul>
	<b><u>Commercial Solid Waste</u></b> <ul style="list-style-type: none"><li>▪ Who collects: City and private haulers</li><li>▪ Type of Service Provided (i.e. front load, roll-off): City and Private. City collects small businesses that choose to utilize city curbside collection program. Refuse placed in city-issued 32 or 64 gallon containers. Private haulers utilize various containers and collect using front load and roll-off vehicles</li></ul>
	<b><u>Residential Recycling</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): 9 drop-off centers</li><li>▪ Materials Collected: newspaper, mixed paper, OCC, plastic bottles and jugs (#1 &amp; #2), aluminum and steel cans</li><li>▪ Processing Facility: City uses two local recyclers: Paperstock Dealers and Cycle Systems</li></ul>
	<b><u>Commercial Recycling</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): Private Haulers use drop-off containers at the business. Several use smaller recycling containers for office paper</li><li>▪ Who Collects: Various Private Haulers</li></ul>
	<b><u>Yard Waste</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): curbside and drop-off</li><li>▪ Processing Facility: used as Alternate Daily Cover at Landfill</li><li>▪ Materials Collected: brush, tree limbs, bagged leaves</li><li>▪ Tons Recycled (2006): 7,724.0 (includes wood waste)</li></ul>
	<b><u>Bulky Items</u></b> <ul style="list-style-type: none"><li>▪ Program Description (i.e. curbside or drop-off): curbside and drop-off</li><li>▪ Processing Facility: City landfill – materials that can be recycled taken to Cycle Systems. Freon recycled at a local business</li><li>▪ Materials Collected: Household appliances, tires without rims, furniture, mattresses, and trash from residential remodeling and repair operations (if the work is performed by the resident and the proper building permit is</li></ul>

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## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

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Locality & Year Plan Submitted	Major Plan Components
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	displayed)
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|--------------------------------|--|
| ▪ Tons recycled (2006): 214.51 |  |
|--------------------------------|--|
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### 5.1.2 Materials Permitted for Acceptance at Landfills

In accordance with the Virginia Solid Waste Management Regulations, landfills may accept the following wastes subject to permit specific limitations:

1. Agricultural waste
2. Ashes and air pollution control residues that are not classified as hazardous waste. Incinerator and air pollution control residues should be incorporated into the working face and covered at such intervals as necessary to prevent them from becoming airborne
3. Commercial waste
4. Compost
5. Construction waste
6. Debris
7. Demolition waste
8. Discarded material
9. Garbage
10. Household waste
11. Industrial waste meeting all criteria contained in the VSWM regulations
12. Inert waste
13. Institutional waste except anatomical waste from health care facilities or infectious waste as specified in Waste Management Board's Infectious Wastes Regulations (VR 672-40-01)
14. Municipal solid waste
15. Putrescible waste. Occasional animal carcasses may be disposed of within a sanitary landfill. Large number of animal carcasses shall be placed in a separate area within the disposal unit and provided with a cover of compacted soil or other suitable material
16. Refuse
17. Residential waste
18. Rubbish
19. Scrap metal
20. Sludge. Water treatment plant sludge containing no free liquid and stabilized, digested or heat treated wastewater treatment plant sludge containing no free liquid may be placed on the working face along with municipal solid wastes and covered with soil or municipal solid wastes. The quantities accepted should be determined by operational conditions encountered at the working face

21. Trash
22. White goods, provided that white goods are free of chlorofluorocarbons and PCBs prior to placement on the working face
23. Non-regulated hazardous wastes and treated wastes rendered non-hazardous by specific approval only
24. Specific wastes as approved by the DEQ
25. Waste oil that has been adequately absorbed in the source of a site cleanup.
26. Vegetative waste
27. Yard waste

### Source

Southside Regional Public Services Authority Solid Waste Management Plan. Revision 2, September 12, 2005. Draper Aden Associates.

### 5.1.3 Materials not Accepted at Landfills

The following wastes are considered to be unauthorized wastes and **are prohibited** at the landfills:

1. Under 9 VAC 20-80-250.C.17):
  - a. Free liquids
    - (1) Bulk or non-containerized liquid waste, unless:
      - (a) The waste is household waste; or
      - (b) The waste is leachate or gas condensate derived from that landfill and the facility is designed with a composite liner and leachate collection system.
    - (2) Containers holding liquid waste, unless:
      - (a) The container is a small container similar in size to that normally found in household waste;
      - (b) The container is designed to hold liquids for use other than storage; or
      - (c) The waste is household waste.
  - b. Regulated hazardous wastes
  - c. Solid wastes, residues or soils containing more than 1.0 ppb (parts per billion) of Dioxins
  - d. Solid wastes, residues or soils containing more than 50.0 ppm (parts per million) of PCB's except as allowed under the provisions of 9 VAC 20-80-650
  - e. Un-stabilized sewage sludge as defined by the Virginia Department of Health or sludges that have not been dewatered
  - f. Pesticide containers that have not been triple rinsed and crushed



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- g. Drums that are not empty, properly cleaned and opened
  - h. Contaminated soil unless approved by the DEQ in accordance with the requirements of 9 VAC 20-80-630 or 9 VAC 20-80-700.
2. Additional wastes not accepted by the landfills:
- a. Friable Asbestos – defined as any waste material containing more than 1.0 percent asbestos as determined using the polarized light microscopy methods specified in 40 CFR Part 763, Appendix E, Subpart E, Section 1, that when dry, is capable of being crumbled, pulverized or reduced to powder by hand pressure.
  - b. Hazardous Waste - defined as a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical or infectious characteristics may:
    - (1) cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness;
    - (2) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed;
    - (3) have at least one of four characteristics: ignitability, corrosivity, reactivity and toxicity; or
    - (4) Hazardous wastes are regulated under the Virginia Department of Environmental Quality Hazardous Waste Management Regulations (9 VAC 20-60).

### Source

Southside Regional Public Services Authority Solid Waste Management Plan. Revision 2, September 12, 2005. Draper Aden Associates.

## 5.2 Regional Recycling Rates

The Virginia Waste Management Board's 2001 August 1, 2001 regulations for solid waste management planning (9VAC 20-130-40 and 9VAC 20-130-120) state that state, local government or a region must meet and maintain a minimum recycling rate of 25 percent. However, in 2006 the Code of Virginia was amended to provide for a two-tiered recycling mandate for the Commonwealth's solid waste planning units (SWPU). All SWPU's are still required to meet the minimum recycling rate of 25 percent unless the population density is less than 100 persons per square mile or if their civilian unemployment rate is 50 percent above the statewide average. If one or both of these criteria are met, a minimum recycling rate of 15 percent is mandated. While Campbell County falls under this new mandate, Region 2000 as a whole does not. The population density for the five communities that comprise Region 2000 is approximately 114 per square mile. The average unemployment for the Region is currently 4.26 percent which is approximately 12 percent above that of the state wide average of 3.8 percent.

## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

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As the region does not meet either criteria, the region must maintain a 25 percent overall recycling rate. The following write-up and Table 5-2 in particular, calculates the individual communities recycling rate; displaying the “base”, “adjusted” and “final” 2007 recycling rates derived from the individual communities Forms 50-30. The table also calculates the entire Region’s “base” and “adjusted” recycling rate. The “final” regional recycling rate will not be known until Virginia DEQ provides final approval of the regional calculations.

The current “base” recycling rate for the region stands at 32.8 percent, while the adjusted recycling rate (which considers credits based on re-used and non-MSW recycled tonnages) is 41.4 percent. This adjusted recycling rate, in all likelihood, will decrease after the Virginia DEQ determines what percent of the adjusted tonnages can be considered in the final recycling rate calculation.

It is important to note that 96.82 percent of the regional materials recycled were considered “principle recycled material.” This lends credence to the notion that more recycling or re-use of “supplemental” materials, such as household hazardous wastes, tires, electronics, etc. is needed and could boost the overall recycling rate of the region. The reuse of these supplemental materials should be a priority as the Region moves forward.

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**Table 5-2**  
**Summary of Recycling Data (2007) as submitted to Virginia DEQ**

Material	Appomattox County	Campbell County <sup>A</sup>	Nelson County <sup>A</sup>	Bedford City <sup>A</sup>	Lynchburg City <sup>A</sup>	Region 2000	% Of Total
<b>Total Principle RM</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>%</b>
Paper	598.0	8,905.0	725.95	232.0	49,731.0	60,191.95	61.48%
Metal	1,872.0	4,555.0	206.8	479.0	8,497.0	15,609.8	15.94%
Plastic	0.0	7.0	0.0	82.0	473.0	562.0	0.57%
Glass	0.0	0.0	0.0	55.0	16.0	71.0	0.0%
Commingled	0.0	0.0	214.32	0.0	0.0	214.32	0.22%
Yard Waste	416.0	1,080.0	565.0	200.0	4,574.0	6,835.0	6.98%
Waste Wood	213.0	1,229.0	5.4	945.0	8,993.0	11,385.4	11.63%
Textiles	25.0	0.0	1.0	0.0	20.0	46.0	0.0%
<b>SUBTOTAL</b>	<b>3,124.0</b>	<b>15,776.0</b>	<b>1,718.47</b>	<b>1,993.0</b>	<b>72,304.0</b>	<b>94,915.47</b>	<b>96.82%</b>
<b>Total Supplemental RM</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>Tons</b>	<b>%</b>
Waste Tires	345.0	334.0	16.41	24.0	589.0	1,308.41	1.33%
Used Oil	100.0	700.0	3.55	40.5	173.0	1,017.05	1.0%
Used Oil Filters	4.0	2.0	0.0	4.5	1.0	11.5	0.0%
Used Anti-Freeze	48.0	6.0	0.0	3.5	10.0	67.5	0.0%
Auto Bodies	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Batteries	51.0	37.0	22.1	83.0	17.0	210.1	0.21%
Sludge	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Electronics	2.0	8.0	0.0	32.8	19.0	61.8	0.0%
Other	287.0	00.0	31.0	0.0	0.0	318.0	0.32%
<b>SUBTOTAL</b>	<b>837.0</b>	<b>1,087.0</b>	<b>73.06</b>	<b>188.3</b>	<b>809.0</b>	<b>2,994.36</b>	<b>2.86%</b>

## EXISTING SOLID WASTE AND QUANTITIES SYSTEM

Table 5-2 Continued  
Summary of Recycling Data (2007) as submitted to Virginia DEQ

Material	Appomattox County	Campbell County <sup>A</sup>	Nelson County <sup>A</sup>	Bedford City <sup>A</sup>	Lynchburg City <sup>A</sup>	Region 2000	% Of Total
MSW Reused	Tons	Tons	Tons	Tons	Tons	Tons	%
C&D Waste	0.0	0.0	596.0	0.0	0.0	596.0	0.61%
Debris Waste	0.0	0.0	45.0	0.0	0.0	45.0	0.0%
Ash	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
<b>SUBTOTAL</b>	<b>0.0</b>	<b>0.0</b>	<b>641.0</b>	<b>0.0</b>	<b>0.0</b>	<b>641.0</b>	<b>0.61%</b>
<b>TOTAL PRM &amp; SRM</b>	<b>3,961.0</b>	<b>16,863.0</b>	<b>1,790.8</b>	<b>2,181.3</b>	<b>73,113.0</b>	<b>97,909.8</b>	<b>100.0%</b>
<b>Total MSW Disposed</b>	<b>7,682.0</b>	<b>46,194.0</b>	<b>12,441.9</b>	<b>4,966.0</b>	<b>129,409.0</b>	<b>200,692.9</b>	
<i>Base Recycling Rate</i>	<i>34.0%</i>	<i>26.74%</i>	<i>12.58%</i>	<i>30.5%</i>	<i>36.1%</i>	<i>32.8%</i>	
Recycling Credits (RC)	Tons	Tons	Tons	Tons	Tons	Tons	
Recycling Residue	0.0	0.0	0.0	0.0	0.0	0.0	
SW Reused	1291.0	0.0	180.0	0.0	0.0	1,471.0	
Non-MSW Recycled	0.0	0.0	0.0	2,333.3	39,500.0	41,833.3	
Total Recycling Credits	1291.0	0.0	821.0	2,333.3	39,500.0	43,945.3	
<b>Adjusted Recycling Rate</b>	<b>43.0%</b>	<b>26.74%</b>	<b>17.35%</b>	<b>47.6%</b>	<b>41.1%</b>	<b>41.4%</b>	
<b>Final Calculated Recycling Rate</b>	<b>39.0%</b>	<b>26.74%</b>	<b>17.35%</b>	<b>35.5%</b>	<b>41.1%</b>	<b>Awaiting DEQ evaluation</b>	

A) CY 2007 Recycling Rate Report approved by Commonwealth of Virginia DEQ.

### 5.2.1 Methodology to Determine Recycling Rates <sup>2</sup>

The methodology used to calculate the recycling rate is as follows.

1. The following formulas were used:

$$\text{Base Recycling Rate} = [(PRMs) / (PRMs + M)] \times 100$$

$$\text{Adjusted Recycling Rate} = [PRMs + CR] / [PRMs + CR + M] \times 100$$

where:

**PRMs = Principal Recyclable Materials**

**CR = Recycling Credits for residue, solid waste reused and non-MSW recycled**

**M = Total Municipal Solid Waste Disposed within the NSWMR**

2. The amounts will be expressed in one of the following units:
  - a. The actual weight of each component.
  - b. The volume of each component.
  - c. The estimated weight of each component based on the most accurate survey or estimated per capita weight.
3. PRMs include paper, metal (except automobile bodies), plastic, glass, commingled, yard waste, waste wood, textiles, tires, used oil, used oil filters, used antifreeze, batteries, electronics and inoperative motor vehicles.
4. The total municipal solid waste disposed will be the amount of MSW generated within the planning region.
5. If the region participates in the used tire management program sponsored by the DEQ, the amount of those tires may be added to the "PRM" amount in the recycling rate calculation.
6. Mulched or composted yard waste can be included in the "PRM" amount if it can be demonstrated that the finished mulch will be marketed or otherwise used productively.
7. Used oil, used oil filters and used antifreeze can be included in the "PRM" amount if it can be demonstrated that the materials will be marketed or used productively.
8. Where a source reduction of any municipal solid waste material or reuse of a principal recyclable material is documented to have occurred, is accurately quantified and is requested as a petition for a variance in accordance with 9 VAC 20-130-230, the DEQ may issue a credit for the amount to be added into the "PRM" amount in each calculation method.

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<sup>2</sup> Source: Form 50-30 revised. Virginia Department of Environmental Quality. Commonwealth of Virginia Recycling Rate Report for Calendar Year 2007.

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## Section 6

# BUDGET

Budget estimates have been developed concerning the anticipated costs associated with the Services Authority. It should be noted that the budget estimates provided in this section should be considered preliminary, as efforts are still on-going to develop and refine the budget.

### 6.1 Services Authority Operating Budget for FY 2009

With significant input from the participating communities, R. W. Beck developed a preliminary operating budget for the Services Authority. The budget is for fiscal year 2009, assuming that the Services Authority will begin landfill operations approximately July 1, 2008. Table 6-1 contains the FY 2009 budget for the Services Authority

Table 6-1  
Services Authority Budget

Budget Category	FY 2009 Budget
Personnel	\$1,311,325
Landfill O&M	\$1,758,200
Equipment Replacement	\$406,525
Closure and Post-Closure	\$465,725
Environmental and Future Planning Reserves	\$100,000
Debt Service	\$2,171,131
Total Annual Expenses	\$6,212,906
Reimbursable Expenses	(\$422,286)
Interest Income	(\$2,500)
Net Operating Expenses	\$5,788,120
Total Tonnage	254,634
Disposal Cost per Ton	\$22.73

Per the Use Agreement for the Services Authority future budgets will be established on or before each March 1. The Services Authority shall adopt its Annual Budget for the ensuing Fiscal Year, which shall include, without limitation, projected Operating Costs and Operating Revenues, taking into account Tipping Fees established.

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### 7.1 Waste Management Hierarchy

Region 2000 and its member localities continue to examine various alternatives for the management of solid waste in Central Virginia. The Virginia Waste Management Board Regulations for Solid Waste Management Planning, Amendment 1, 9 VAC 20-130-10 et seq., requires the Plan to develop comprehensive and integrated solid waste management plans that consider, at a minimum, all components of the following hierarchy:

1. Source Reduction;
2. Reuse;
3. Recycling;
4. Resource recovery (Waste-to-Energy);
5. Incineration; and
6. Landfilling.

Elements higher in the hierarchy are more desirable, and tend to reduce the need for lower, less desirable, elements of the hierarchy. Therefore, when developing a solid waste management plan, preference should be given to those elements higher in the hierarchy.

The localities in the Region have developed and implemented an integrated solid waste management strategy. The Region will rely mainly on landfilling to meet their solid waste disposal needs and will continue to do so. Recycling and landfilling will play the major roles in the Region's integrated solid waste management plan with source reduction and reuse having smaller roles in the plan. Resource recovery and incineration are not currently considered viable options for the Region; however each was initially considered and will be discussed in this section. The Region plans to continue and expand its programs to meet the future solid waste needs of the community.

The following sections detail the integrated solid waste management hierarchy as it relates to the region, in addition to the future disposal options available to the region once the regional landfills reach capacity in 2022 as detailed in Section 4.

### 7.2 Source Reduction

Source reduction of the waste stream involves the alteration of a service, process, design or input material used for production and/or consumption of a good thus lessening the generation of the waste by-product.

The Virginia Solid Waste Planning Regulations (VR 672-50-01) define source reduction as “any action that reduces or eliminates the generation of waste at the source, usually within a process. Source reduction measures include process modifications, feedstock substitutions, improvements in feedstock purity, improvements in housekeeping and management practices, increases in the efficiency of machinery and recycling within a process.”

Frequently, source reduction results in beneficial energy savings, and ideally, it decreases the generated quantity of both solid and hazardous waste. Source reduction can also be brought about through our free market system. The impact of consumer preferences for certain products or packaging can impact industries to change established procedures and also motivate local governments to impose restrictions on businesses.

Source reduction has commonly been thought of as industrial waste minimization, but due to the solid waste crisis has been incorporated in all areas from business to household. The reduction of business waste often comes with systems automation; i.e., use of fax machines, computers, e-mail, networking, and duplex copy machines, etc.

The reduction of the residential waste stream requires that citizens achieve greater awareness of disposal costs and the effect solid waste has on the environment. Public information offers educational benefits that help residents become aware of their throw-away mentality and its effect on costs and harm on the environment.

Section 2.1.5 previously discussed the trends in source reduction nationally, noting that the reduction of yard waste in landfills is the most significant source reduction activity at the moment as localities and states ban yard waste from landfills.

While individuals can attempt to reduce their volume of waste, source reduction policies will be aimed primarily at businesses and industries. Many source reduction policies are not feasible at the local level but are best handled at the state or federal level. Examples of this are the banning of yard waste from landfills or requiring minimum packaging standards. Financial incentives and disincentives, broad regulations concerning source reduction and changes to manufacturing processes are difficult to implement on a local basis. As waste tipping fees at the commercial sector will become more sensitive to the expenses involved in their disposal programs, and will begin to consider source reduction more closely.

To increase citizen awareness of source reduction activities that can be implemented on an individual basis, the Region will consider the implementation of a public information program designed to increase source reduction activity as time and funding permits. The program, if implemented, will primarily consist of information on source reduction activities. The DEQ can be used as a resource for obtaining

appropriate literature on source reduction activities and assistance in developing the program.

To facilitate this, the Services Authority has hired a Recycling Program Manager. The Recycling Manager's salary and benefits are split between the city of Lynchburg (40%), Campbell County (40%) and the regional authority (20%). A description of the Recycling Manager's duties and responsibilities are explained further in Sections 7.4 and 7.5.

It should be noted that source reduction activities will remain under the control of each individual locality. Therefore, it is not anticipated that the Authority will develop source reduction strategies over the 20-year life of the plan.

## 7.3 Reuse

Reuse is similar to source reduction as it prevents materials from entering the waste stream, but involves separating a given solid waste material from the waste stream and using it, without processing or changing its form, other than size reduction, for the same or another end use. Examples of reuse include such activities as swap shops or thrift stores, clothing collection centers, pallet reuse, use of refillable bottles, reconditioning of drums or barrels, use of saw dust from lumber mills for the manufacture of paper or particle board and waste exchange programs (such as HHW).

As with source reduction, private citizens can make an effort to reuse or encourage reuse of many items that would normally be discarded to the landfill. However, the focus of the program would be better aimed at the commercial sector including the Region businesses and industries.

The following activities are proposed under the 20 year life of plan relative to reuse, as interest and funding are available:

- Continue to educate the public relative to the need for reuse
- Expansion of education to commercial sector to address reuse
- Collection of data on commercial reuse programs

## 7.4 Recycling

Recycling is defined by the Virginia regulations as “the process of separating a given waste material from the waste stream and processing it so that it may be used again as a raw material for a product, which may or may not be similar to the original product.” While Section 5.1.1 outlined the recycling programs for the individual communities in the Region it is not anticipated that further development will occur over the 20-year life of the plan.

Region 2000 and its member communities are operating a number of recycling programs, including curbside and convenience center (green-box) drop of programs, yard waste composting, white goods collection, used clothing reuse and household



## Section 7

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hazardous waste collection programs. Section 5.2 displays the recycling materials, tonnage and rates for the Region 2000 community reported to DEQ as of 2007.

Regionalization has the potential to have a significant positive impact on recycling and waste diversion in the Region 2000 area by allowing more cost effective implementation and operation of recyclable material collection and processing infrastructure. The existing recycling infrastructure within Region 2000 is limited, incurs costs that are difficult to justify to rate payers and does not have a significant impact on total waste disposed. Individual jurisdictions do not typically generate enough recyclable material to justify investment in collection and processing equipment required to aggregate and process quantities of material sufficient to take advantage of today's high market values.

The aggregation of loose materials at widely dispersed drop-off centers throughout the region requires paying private sector waste haulers or material buyers the same hauling fees as for waste. Moreover, the hauler often charges for processing material; e.g. baling it, despite the fact that materials such as plastic and aluminum are currently worth \$600 and \$1,500 per ton, respectively. A regional system offers the opportunity to consider the following:

- The hiring of a regional Recycling Program Manager
  - Responsibilities include developing and implementing recycling and education programs and activities and ensuring compliance with Virginia Department of Environmental Quality annual recycling reporting requirements.
  - Program Manager reports to the Solid Waste Director.
- Promotes recycling and educates residents, businesses and schools in a uniform manner.

### 7.4.1 Citizens' Convenience Centers

The Campbell County Landfill should continue to operate as a citizens convenience station (CCS) when it is inactive (and subsequently Lynchburg when it closes). Each jurisdiction should also operate CCS throughout their community. Initially, R. W. Beck recommends that each jurisdiction continue to service their own CCS, including the CCS located at the inactive landfills. This includes hauling full containers, providing empty containers, and cleaning the site. Long-term, R. W. Beck recommends that the Authority coordinate a regional approach to providing this service either via the Authority or private sector. If the Authority provided service for the CCS, each jurisdiction should be responsible for a portion of the cost depending on the number of sites within each jurisdiction and the quantity of waste collected at each site (i.e., how often sites require service).

If the Authority accepted full responsibility for operation of the convenience stations, each jurisdiction should be required to upgrade their facilities to meet the Authority's service requirements. R. W. Beck recommends that each site be fenced for security and to prevent vandalism. Depending on the quantity of material received, types of

wastes accepted and number of customers, the Authority will need to evaluate the need for staffing each station. Unmanned stations are also more susceptible to disposal of prohibited wastes.

Currently, sites in Campbell County include compactors, which are all mobile. Some sites have roll-off and packer containers that are serviced by one truck through a service contract. The Authority should also evaluate the number of sites and quantities of waste collected to determine if some sites can be combined or closed altogether to reduce operations costs but without impacting customer service.

It's likely that two drivers and one laborer would be required to service and maintain all of the CCS. The Authority should evaluate the need to staff each station to manage non-permitted uses, such as use by commercial customers. Use of the stations by non-permitted customers' results in the loss of revenue generated at the landfill.

### **7.4.2 Household Hazardous Waste**

Lynchburg currently provides no-fee HHW collection four times per year for City residents. Collection of HHW materials, such as used oil, paints, insecticides and pesticides, occurs on the second Saturday in April, June, August and October between 8 a.m. and 12 p.m. If the Authority took over operation of this program, they could provide the service to each of the member jurisdictions.

The City owns a portable trailer that could be purchased by the Authority and moved around to each community. Each community would be required to pay for its share of the program cost, but would not be required to participate. The City currently contracts with a private company to dispose of the materials collected, which has averaged approximately \$15,000 per year. The Authority would need to establish a similar contract for disposal.

The Authority would also need to provide properly trained staff at each event. Training would consist of the OSHA 40-hour and 8-hour annual refresher HAZWOPER course. The City has provided staff for each event through overtime. If the City of Bedford and Nelson County participated, there could be as many as 20 HHW collection events each year.

R. W. Beck recommends that the Authority be responsible for this program serving all member jurisdictions. Providing HHW collection to each of the communities will minimize the amount of HHW that is disposed of in the landfill. Member jurisdictions would need to pay for their proportional disposal costs for HHW. R. W. Beck would recommend that the Authority develop a proposal for a regional HHW program.

### **7.4.3 Maintaining a 25% Recycling Rate**

As discussed in Section 5.2 (Regional Recycling Rates), the Virginia Waste Management Board's August 1, 2001 regulations for solid waste management planning (9VAC 20-130-40 and 9VAC 20-130-120) state that a regional entity must meet and maintain a minimum recycling rate of 25 percent (with one amendment as described in Section 5.2).

The Region's 2007 "adjusted" recycling rate, as calculated from individual Forms 50-30 stands at 41.4 percent. The "final" regional recycling rate will not be known until Virginia DEQ provides final approval of the regional calculations.

The Authority plans on maintaining an overall recycling rate of 25 percent by:

- Continuing individual community recycling and diversion programs;
- Hiring a regional recycling manager;
- Surveying residents and businesses on how to improve recycling programs;
- Presentation to schools and other community functions;
- Helping businesses start or advance recycling programs; and
- Continuing the local litter prevention commission.

### 7.5 Resource Recovery (WTE) and Incineration

A resource recovery system, or a waste-to-energy system, is defined by Virginia's solid waste regulations as a solid waste management system that "provides for the collection, separation, recycling and recovery of energy or solid wastes, including disposal of non-recoverable waste residues." Incineration is defined as the controlled combustion of solid waste for disposal. It is different from resource recovery in that no usable product is generated from the combustion of the waste. The sole purpose of incineration is to burn the waste to reduce the quantity to be managed or disposed.

The two major types of resource recovery facilities are (1) the refuse derived fuel (RDF) facility and (2) the mass burn facility. RDF systems utilize a separation process that divides material that is combustible from material that is non-combustible. The non-combustible material may be collected and sold as a recyclable or reusable product. The combustible material is processed into pellets or fluff (RDF) and sold or used by the manufacturer as a fuel for combustion. Revenue results from the sale of both the noncombustible material, as well as the RDF itself.

Mass burn facilities do not utilize a separation process. All municipal solid waste is directly fed into the incinerator, which burns the waste at a high temperature. The resulting heat may be used to generate steam or electricity. It should be noted the mass burn of municipal solid waste results in the production of both air emissions and ash. The air emissions are regulated by state and federal agencies. The ash must be landfilled as a waste. This being the case, the locality must still plan for the disposal of a waste product, although the amount of waste to be disposed will be greatly decreased.

In the 2005 Regional Solid Waste Management Analysis, R. W. Beck performed a feasibility study for the region to utilize waste-to-energy (mass burn at 900 TPD) as their primary disposal mechanism. The analysis accounted for all costs and revenues that such a facility would incur. Some of the costs associated with a WTE facility that R. W. Beck analyzed included capital costs, operating and maintenance costs and costs relating to the disposal of the ash generated by the facility. R. W. Beck estimated that

a WTE facility that would process 900 tons per day of refuse would have a capital cost of approximately \$117 million. Based on financing this cost with a 20-year bond at an interest rate of five percent, the annual debt service would total \$9.4 million.

The operations and maintenance costs for a WTE facility would be expected to be in the range of \$30 to \$35 per ton based on R. W. Beck's industry experience. In an effort to develop fiscally conservative cost estimates, R. W. Beck used the rate of \$35 per ton in 2006. R. W. Beck inflated operations and maintenance cost at 2.5 percent per year from 2006 to 2015. Based on an annual tonnage generation figure of 260,598 in 2006 (including BFI tonnage), total operations and maintenance costs for the year were forecast to be \$9.1 million.

Revenue earned from the facility would have been contingent upon MSW tipping fees and the average price per kilowatt-hour that can be obtained in the wholesale electric market and the number of kilowatt-hours generated by the facility. Disposal costs per ton range from \$71 per ton in 2006 to \$81 per ton in 2015. These costs are driven up by large capital and operating and maintenance costs.

As a result of the analysis, R. W. Beck concluded that given the high costs associated with constructing and maintaining a waste-to-energy facility that the Region not consider waste-to-energy as a viable disposal option at that time. However, the option could be reevaluated in the future when landfills in Region 2000 are closer to reaching capacity.

## 7.6 Landfilling

The three Counties and two Cities that comprise Region 2000 will rely on Landfilling to meet the near-term disposal needs of its citizens. Beginning July 1, 2008 the five communities will send their solid waste to one of the two operating landfills in the region (Campbell County, or City of Lynchburg). R. W. Beck estimates that the two operating landfills will have a combined disposal capacity of 4,434,293 cubic yards (from Section 4 assumptions). Under this scenario, the Region would be able to operate the landfills for approximately 14.1 years (beginning in July 2008) before reaching capacity in August 2022. It is important to note that the Appomattox County Landfill does not contribute to the 14.1 years of remaining life, as discussed in Section 4. It is not anticipated that the Appomattox County Landfill will contribute to the regional system during the 20-year life. See letter in Appendix L relative to this.

The regional operating landfills, identified in Section 4, will continue to support the waste disposal needs of the region. This includes the disposal of all wastes currently permitted for the facility, including, but not limited to: MSW, C&D, Industrial waste, sludge, citizen's drop-off areas, HHW facilities and bulky item (white goods) disposal area.

Virginia DEQ mandates (via 9VAC 20 regulations), that each community or regional entity that submits a solid waste management plan account for the area's disposal needs on a 20-year basis. As discussed in Section 4, the remaining landfill space from the two operating Region 2000 disposal sites will reach capacity within 14 years. In

light of the limited lifespan of the two operating regional landfills, Region 2000 has explored options to provide for the area's future disposal needs once the operating landfill's current disposal cells have reached their capacity. The disposal options for additional years are discussed in Section 7.8 below. Note that no decision has yet been made as to which disposal option will be utilized. The following sections are intended to show to the Virginia Department of Environmental Protection that the Region has carefully thought out its disposal options once the current operating landfill capacity is reached.

### 7.7 Future Disposal Options

The 2005 Regional Solid Waste Management Analysis (and updated via the 2007 Region 2000 Services Authority Operations Plan performed by R. W. Beck) considered the most economically feasible disposal options for the Region for 2008 and beyond. The reports analyzed the following options to handle the region's waste:

- Joint use of existing landfilling facilities;
- Expansion of Existing Facilities;
- Construction of a new landfill;
- Construction of a transfer station; or
- Building a waste-to-energy facility.

The combined operating landfill capacity of the regional authority is 14.1 years, which is less than the 20 year planning period. It is important to note that the 14.1 years of remaining capacity does not include the Appomattox County Landfill as discussed in Section 4. It is not anticipated that the Appomattox County Landfill will contribute to the regional system during the 20-year life. This section is intended to provide discussion of options the regional authority will evaluate prior to the operating landfills reaching capacity.

Note that in addition to the sections below, Section 8.2 discusses the disposal system goals and actions items.

#### 7.7.1 Joint Use of Existing Landfills

As discussed throughout the report, the 2005 Analysis recommended the joint use of the existing landfill facilities as the most viable disposal option for all of the participating communities. The 2005 Analysis assumed that the City of Lynchburg's landfill would be the first facility to serve as the region's disposal facility until it reaches capacity. Once the first landfill (e.g. Lynchburg) reaches capacity, all waste would go to the landfill in Campbell County. Assuming a regional start date of July 1, 2008, the two landfills will reach disposal capacity by 2022. See Section 4 for a detailed discussion on the remaining landfill capacity and site life of the two regionally operated landfills.

### 7.7.2 Expansion of Existing Facilities

One future disposal option would be to expand existing landfill facilities. For example, the Services Authority may consider expanding the Campbell County permitted capacity within the permitted area by combining Phase III and Phase IV. If permitted, the Services Authority would continue to own and operate a landfill.

### 7.7.3 Develop New Landfill within Region 2000

Another future disposal option would be to develop a new landfill facility within Region 2000. This concept would essentially mean continuing the practice of the Services Authority owning and operating a landfill within the Region. In order for this option to be developed, Region 2000 would need to acquire property or rely on one of the communities within Region 2000 to obtain property that would be suitable for the development of a landfill. Owning and operating another landfill would allow Region 2000 to better control costs since the facility would be located closer than another facility and because the region would not be subject to market pricing from a third party landfill. At the same time, Region 2000 would face the challenge of having to site a new landfill within its service area.

The following describes the advantages and disadvantages associated with a new landfill.

#### Advantages

- Minimizes transportation costs as collection vehicles and transfer trucks would remain in the region.
- Greater control of costs as compared to having to contract with a third party for disposal.
- Opportunity would exist to generate excess revenue for the benefit of member communities.
- Overall disposal capacity could be developed for 20 or more years, depending on the size of the site.
- Could consider expanding an existing landfill site within the region.

#### Disadvantages

- Another landfill would need to be sited and developed in the region.
- Depending on the location of the landfill, the need for a transfer station could exist for one or more community.
- The Services Authority would continue to have financial and operational liability for owning and operating a landfill.

Since the implementation of Federal landfill laws (Subtitle D) in the 1990's, landfills have become more sophisticated and expensive to operate. Consequently, the number of facilities has decreased while the size of remaining landfills has increased. As



existing facilities reach capacity and there are fewer suitable sites for landfills, future facilities will need to be regional in nature.

### 7.7.4 Transfer Station

A transfer station is a facility where solid waste collection vehicles discharge their loads into a receiving area; then, the waste is placed into larger hauling vehicles for travel to a disposal site such as a landfill or waste-to-energy facility. Among the Region 2000 communities, Nelson County has owned and operated a transfer station for a number of years and the City of Bedford utilizes a transfer station that they own and operate.

As the landfill space begins to diminish, Region 2000 may again consider utilizing transfer stations as its primary disposal option. Any future transfer station analysis would account for all costs that would be associated with such an operation such as capital costs, operations and maintenance costs, hauling costs from the transfer station to disposal site and tipping fees at the disposal site. The evaluation completed in the 2005 Analysis can provide a baseline of information concerning the future costs that may be associated with a transfer station system.

The following describes the advantages and disadvantages associated with transfer stations.

#### Advantages

- Occupies less space and fewer environmental issues than a landfill.
- Reduces the amount of waste going into landfills in Region 2000, thereby reducing the demand for additional landfills in the region.
- Communities in Region 2000 may eventually need a transfer station once their existing landfills reach capacity.
- Lower capital investment than compared to landfills.

#### Disadvantages

- Facility must be located in the center of the region.
- Currently premature to develop a major transfer station given the remaining disposal capacity in the existing landfills.
- The potential exists for high hauling and disposal costs since these services would be contracted with private companies.
- Loss of control over future price increases.
- Difficult to recover costs for existing debt service and unfunded closure and post closure costs with existing landfill operations.
- Represents a serious change in how solid waste services are provided within Region 2000.

Relying on transfer stations continues to represent a need for communities as they either fill up their existing landfills or rely on landfills that are located further distances from their collection areas. Key trends specific to transfer stations currently involve selecting appropriate compaction technologies for maximizing payloads and consideration of various transportation networks (e.g. trucks, railways and barges).

### 7.7.5 Waste-to-Energy

Waste-to-energy technology can be used as an integral component of a comprehensive, integrated solid waste management program. The Integrated Waste Services Association (IWSA) states that in addition to providing essential trash disposal services, today's waste-to-energy plants generate clean, renewable energy. Communities that utilize waste-to-energy are provided a disposal alternative to communities that would otherwise have to buy power from conventional power plants and dispose of their trash in landfills.

There are currently 89 waste-to-energy plants nationwide which dispose of more than 90,000 tons of trash each day, while generating enough clean electricity to supply energy to about 2.3 million homes. Through this public-private partnership, communities and waste-to-energy companies have invested approximately \$1 billion to upgrade their air quality control systems while employing state-of-the-art emission control devices that reduce pollutants from today's facilities to levels far below state and federal standards.

As the landfill space begins to diminish, Region 2000 may again look at waste-to-energy as their primary disposal option. Any future analysis will account for all costs and revenues that such a facility would incur. Some of the costs associated with a WTE facility include capital costs, operating and maintenance costs, and costs relating to the disposal of the ash generated by the facility.

The following describes the advantages and disadvantages associated with WTE.

#### Advantages

- Facility generates revenue from electric sales.
- Occupies less space than a landfill.
- Reduces the amount of waste going into landfills, thereby extending the lives of current landfills and reducing the demand for additional landfills.

#### Disadvantages

- Capital requirements for the construction of the facility are extremely large, significantly driving up cost per ton figures relative to alternatives.
- Operations and maintenance expenses for WTE are high compared to those of landfills.
- Revenues from electricity sales typically are not significant enough to reduce operating costs to levels competitive with landfilling.

## Section 7

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- Facility should be centrally located to minimize transportation costs.
- Facility will generate additional air pollution within region, raising environmental concerns.
- Certain WTE facility designs require large amounts of water to make up for evaporation losses.
- Operations will produce substantial tonnages of ash which must be tested and landfilled.
- A large waste stream must be dedicated to the facility for a long period of time.
- The WTE program may divert waste from composting and recycling programs.

WTE facility construction within the United States has been stymied over the past decade due to increasing regulatory requirements and the construction of new regional landfills. In addition, pressure from environmental groups concerned about pollution and low landfill disposal fees in much of the country has limited the development of new projects. No new WTE facilities have been built in the U.S. in recent years. There are a number of companies touting the benefits of emerging WTE technologies, such as gasification and plasma arc. However, based on analysis that R. W. Beck has completed for other clients, these technologies are untested in scenarios where they would process approximately 900 tons per day.

### 7.7.6 Storage and Treatment

Based on the definition included in the Solid Waste Management Regulations, the City does not currently treat or store municipal solid waste. It is not anticipated that this will develop over the next 20-year life of the plan.

## Section 8

# GOALS AND OBJECTIVES OF PROGRAM

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The establishment of a regional solid waste entity would significantly enhance opportunities for other regional solid waste functions such as solid waste management planning, achievement of recycling goals, collection and disposal of household hazardous waste and more efficient collection and convenience center operations.

The following section outlines the goals and objectives for the Region 2000's establishment of a regional solid waste management program. Any future program activities may become regional overseen by the Region 2000 Services Authority.

The members of the Services Authority have developed and adopted this solid waste management plan for the following reasons:

1. Significant cost savings to local governments and customers from consolidating landfill operations.
2. To provide for the efficient and economical disposal of the solid waste.
3. To provide a reliable and long-term source of disposal for the five communities.
4. To protect the health, safety and welfare of their citizens by providing and planning for their present and future solid waste disposal needs.
5. To promote recycling activities and make a substantial effort to comply with State mandated recycling rate of 25 percent.
6. To develop an integrated approach for the handling and disposal of solid waste.
7. To effectively and efficiently use limited natural resources.
8. To protect the environment from the mismanagement of solid waste.
9. To comply with State Regulations 9 VAC 20-130-10 et seq.
10. More efficient landfill operations due to increased economies of scale.

Sections 8.1 through 8.5 provide milestones for plan implementation for collection, disposal, recycling, public awareness and litter control over the 20-year life of the plan.

## 8.1 Collections

**Table 8-1**  
**Collection System Goals and Action Items**

Item Number	Goal	Action Item	Schedule	Estimated Costs (2007 dollars)
C-1	Appomattox, Campbell and Lynchburg to send all solid waste directly to one of the two Region 2000 landfills (e.g. Campbell County and City of Lynchburg) in Region 2000 in a coordinated manner. The City of Bedford and Nelson County would send waste to the one operating landfills via use of existing Transfer Stations.	To commence when date agreed by council.	July 1, 2008	N/A
C-2	Continue to provide a cost effective collection system for the citizens of the Region.	Need to evaluate opportunities for consolidation of operations.	July 1, 2008	N/A
C-3	Provide comprehensive services at the green-box and other collection sites in Appomattox Co., Campbell Co., City of Bedford and City of Lynchburg including trash disposal, bulky item collection, recycling and yard waste handling.	Expand the services as interest and funding become available. Services Authority might take over management of sites. Operations plan will update.	July 1, 2008	Currently unknown
C-4	Assess the need for transfer stations and WTE as the regional landfills near capacity.	Region 2000 will continue to assess need.	As necessary	No specific project costs at this time
C-5	Coordinate recycling efforts through the Regional Authority to comply with DEQ requirements and to meet recycling goals.	See Section 7	As necessary	Currently unknown

## 8.2 Disposal

Disposal consists of the operation of one of the two operating landfills (City of Lynchburg and Campbell County). The Campbell County landfill was placed in interim closure in 2008 and all disposal in the Region directed to the City of Lynchburg Landfill on July 1, 2008. Once the City of Lynchburg landfill reaches capacity, the Campbell County landfill will be placed in service until filled. No other disposal capacity currently exists for Regional usage.

Nelson County and City of Bedford utilize a transfer station to transfer their waste to the operating landfill. The transfer stations are not part of the Region 2000 operations. Appomattox will direct haul to regional landfill.

It is assumed that approximately 14 years of operation life will result from this arrangement. The Region began using the single landfill on July 1, 2008 and hence the estimated life at that time was 2022. The actual life expectancy will be a function of tonnage, the economy, and landfill operations.

As discussed in Section 4, the Appomattox County Landfill has stopped receiving waste and placed the cap on its last disposal cell. Final certification of this cap is still pending. Once the closure certification is received this landfill will enter into post closure care. The County is in the process of finalizing a permit amendment for an expansion area but this has not yet been approved. Once approved, these expansion cells will be moth-balled. This capacity is not part of the Regional capacity.

Several years prior to reaching capacity of the Campbell County landfill, an evaluation of options will be made to determine the future approach for managing the regional waste beyond the estimated 2022 operational date. The regional solid waste management plan will be modified to incorporate the chosen option. Table 8-2 below displays the region's disposal system goals, timeline and estimated costs.



## Section 8

**Table 8-2**  
**Disposal System Goals and Action Items**

Item Number	Goal	Action Item	Anticipated Schedule	Estimated Costs (2007 dollars)
D-1	Open Lynchburg landfill first in 2008 to waste disposal from Region 2000 communities.	Provide adequate training to all operating personnel.	July 2008	Variable by locality
D-2	Maintain closure of the Lynchburg landfill in an environmentally sound manner (including leachate system) and in accordance with all federal, state and local regulations and initiate the 30 year post closure period.	Provide adequate training to all personnel in the closure and post closure of the landfill.	October 2013 through October 2043	Under Development
D-3	Assume operation of the Campbell County regional landfill.	Provide adequate training to all operating personnel	November 2013	Under Development
D-4	Maintain closure of the Campbell County landfill in an environmentally sound manner (including leachate system) and in accordance with all federal, state and local regulations and initiate the 30 year post closure period.	Provide adequate training to all personnel in the closure and post closure of the landfill	February 2022 thru February 2052	Under Development
D-5	Determine new disposal options.	Work with Region 2000 members to revisit 2005 plan.	Unknown	Under Development

### 8.3 Recycling

Regional recycling efforts are discussed in Section 7.4. Table 8-3 below includes these goals as well as additional recycling system goals, along with timelines and estimated costs.

## GOALS AND OBJECTIVES OF PROGRAM

**Table 8-3**  
**Recycling System Goals and Action Items**

Item Number	Goal	Action Item	Anticipated Schedule	Estimated Costs (2007 dollars)
R-1	Increase recycling at convenience stations (CSS)	Regional coordination of CCS collection and promotion of recycling at these CCS	2009 - 2029	Under development
R-2	Increase diversion of household hazardous waste (HHW)	Regional coordination and expansion of HHW collection events	2009 - 2029	Under development
R-3	Maintain a 25% recycling rate	Continue sponsoring education programs in the classroom, utilize special events to promote recycling, provide educational materials to households	On going	Continue funding of recycling operations
R-4	Increase diversion of electronic waste	Develop collection events within Region	2009 - 2029	Under development
R-5	Increase diversion of construction and demolition waste (C&D), green waste and recyclable materials	Conduct planning study to evaluate options	Fall 2010	Under development
R-6	Increase diversion of ground brush (mulch) from disposal	Investigate additional markets for mulch	Summer 2010	Under development
R-7	Develop regional processing facility in conjunction with implementation of R-1 above.	Evaluate the cost effectiveness of a regional processing facility. Initiate evaluation through consideration of the use of the Appomattox County recycling facility.	FY 2010	Under development

## 8.4 Public Awareness

Region 2000 will strive to increase the public's perception of waste management and recycling goals throughout the Region. Table 8-4 lists three such goals that will be further developed and monitored by the Regional Recycling Program Manager over the 20 year life of the plan.

**Table 8-4**  
**Public Awareness Goals**

Original Objective	Current Status
Conduct special educational programs within the public schools that illustrate the importance of proper waste disposal and waste reduction and promote such behavior.	Regional Recycling Program Manager has been hired to facilitate objective.
Develop and make readily available information and educational materials concerning solid waste and its proper management to all interested citizen groups and organizations.	Regional Recycling Program Manager has been hired to facilitate objective.
Utilize communication mediums such as local newspapers and radio stations to publicize local waste management regulations, problems, and the public's responsibility concerning them.	Regional Recycling Program Manager has been hired to facilitate objective.

## 8.5 Litter Control

The five communities that comprise Region 2000 will continue to support existing litter control and collection programs. While these litter control programs are expected to continue, it is not anticipated that they will be expanded over the 20-year life of the plan. An overview of the existing litter control programs for the five communities and the Region as a whole is provided in this section. Note that part of the job responsibilities of the Regional Recycling Program Manager (hired in 2008) is to oversee any litter control or remediation programs.

### 8.5.1 Appomattox County

Appomattox County employs two full time personnel to clean and maintain the citizen convenient centers on a daily basis. The County also responds to any citizen complaint regarding overflowing dumpsters littering the surrounding area. There is an Adopt-a-Highway program that is financed by individual entities within the County. In addition, the Virginia Department of Transportation has inmates from Campbell County pick up litter along the roads of Appomattox County. The County also mandates that all county trucks cover their loads/beds to reduce the amount of debris exiting the trucks while transporting

### 8.5.2 Campbell County

Campbell County retains a Litter and Environmental Commission, which speak at Ruritan Clubs and other civic groups about solid waste disposal and recycling issues. In addition, County personnel speak to students at local schools twice a year to educate them on the importance of proper solid waste disposal and recycling. New

programs and changes in existing programs are advertised and announced in local and regional newspapers, as well as often announced through radio and television.

The Town of Altavista also has a new government information channel that announces the times and dates of household waste and recycling collections, as well as what materials are collected for recycling.

### 8.5.3 Nelson County

The County employs a part-time recycling coordinator as a means of enhancing and improving this program. Trash cans help reduce litter in Lovington, a major volunteer road cleanup is held every spring, and a major James River cleanup is held in the fall. The County is exploring a wood chipping operation at the transfer station to reduce the quantity of wood disposal.

Outreach programs in most localities generally include descriptions of waste management services available to residents on the website, in the annual county services brochure, postings at the courthouse and County Office building, and in ads and articles for special events (waste amnesty days, Christmas tree collection, etc.) in local newspapers. In the RSWA service area, outreach also includes website, public forums, flyers at the recycling center, radio advertisements, and inserts in local newspapers. General public service announcements on radio and television also help educate the public. Adopt-a-Street programs and highway signs promote litter control.

Public participation in solid waste management and planning occurs at advertised meetings of public bodies that discuss and act on the issues. In addition, Nelson County has a “Keep Nelson Beautiful” program that promotes recycling and waste reduction as well as periodic clean-up days.

### 8.5.4 City of Bedford

The Keep Bedford Beautiful Commission has been a prominent force in promoting an interest among citizens to preserve the environment and control litter. They currently sponsor the Adopt-a-Highway and Adopt-a-Spot programs. The Keep Bedford Beautiful Commission also sponsors twice per year City clean-up events where volunteers walk the streets of the City and pick up litter. The Keep Bedford Beautiful Commission is funded by state litter control and recycling grants. The City of Bedford addresses litter control in the City Code Section 20-35.

### 8.5.5 City of Lynchburg

The City has an extensive litter control program. This program includes coordinating the clean up of litter with approximately 70 volunteer groups within the City. The City conducts a “March on Litter” campaign where City residents organize on the second Saturday of March to collect litter. In 2006, 150 participants collected eight tons of trash and litter. In addition, the City currently has an environmental education program for providing information to the public. The program has been designed to focus on basic environmental awareness issues, recycling, litter control and pollution

## Section 8

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prevention education. The goal of the program is to educate the community through special promotional programs and organized community environmental events. This program will continue to be expanded as interest and funding allow.

### 8.5.6 Region 2000

As shown in Table 8-5, Region 2000 will continue to promote their existing litter control and prevention programs and expand as resources and interests allow.

## GOALS AND OBJECTIVES OF PROGRAM

Table 8-5  
Region 2000 Litter Control Goals and Action Items

Item Number	Goal	Action Item	Schedule	Estimated Costs (2007 dollars)
LC-1	Hire Recycling Program Manager	N/A	July 1, 2008	\$40,000.00
LC-2	Educate public relative to litter control	Continue to support existing educational programs. Expand as resources are available.	On-going	No specific funding required at this time
LC-3	Reduce litter in the Cities and Counties	Continue to support road cleanups by KAB affiliates, Adopt-A-Street and Adopt-A-Spot, City Walkers, community volunteers and VDOT. Expand as resources are available.	On-going	No specific funding required at this time
LC-4	Minimize illegal dumping	Continue to patrol communities and Provide comprehensive and timely collection services.	On-going	No specific funding required at this time





## Section 9

# IMPLEMENTATION SCHEDULE

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The implementation schedule for the Region's waste management program has been summarized in Sections 8.1 through 8.5. The majority of the planned expenditures over the 20 year planning period will be associated with the replacement of existing equipment and the closure and maintenance of the landfills. Additional expenditures for the recycling programs, such as the hiring of the recycling manager, will be needed. It is important to note that most of the proposed expenditures are already included in the existing operating budget for the Services Authority in Section 6.1.

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## **10.1 Formation of Solid Waste Planning Entity**

Whereas the Counties of Appomattox and Campbell and the Cities of Bedford and Lynchburg had previously prepared individual solid waste plans, and whereas Nelson County had been part of the Thomas Jefferson Planning District Commission, the five communities will, beginning on July 1, 2008 combine their regional solid waste disposal needs into one integrated solid waste management system.

In 2007, the Region 2000 Local Government Council, representing the Counties of Appomattox, Campbell and Nelson, and the Cities of Bedford and Lynchburg agreed to become a new regional solid waste planning unit. A copy of the five local governing bodies' resolution authorizing the formation of the Region 2000 Solid Waste Authority is provided in Appendix C.

## **10.2 Virginia DEQ Recognition of Solid Waste Planning Unit**

The Virginia Department of Environmental Quality is currently in the process of recognizing Region 2000 as a solid waste planning unit.

## **10.3 Resolution Adopting Regional Solid Waste Management Plan**

Per 9 VAC20-130-140 of the Virginia Waste Management Board, as the Region 2000 solid waste management plan has been developed as a regional plan, a resolution approving the plan, adopted in accordance with the Virginia Area Development Act, the Virginia Water and Waste Authorities Act, and the provisions of the Code of Virginia (15.2-1300) has been approved by the Region 2000 Solid Waste Authority in 2007. A copy of the resolution approving the acceptance of the solid waste plan by each individual community is provided in Appendix D<sup>1</sup>.

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<sup>1</sup> It is important to note that Appomattox has not yet approved the SWMP for the Region 2000 Services Authority. When the preliminary draft of the SWMP was provided for the communities comprising Region 2000, Appomattox County was not yet involved. Once the SWMP has been finalized and sent to the Virginia DEQ for reevaluation, Appomattox County will approve the SWMP and provide the needed documents for this section of the Appendix

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## Section 10

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After the Regional Plan has been adopted by the Authority and the five individual communities, a copy of the adopted plan will be placed in the Administrative Offices of each County and City, and at the Region 2000 headquarters located at 828 Main Street, 12th Floor, Lynchburg, VA 24504.

## Section 11

# FUNDING AND FINANCING

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This section provides an overview of the funding mechanisms and financing methods that the Services Authority will implement to ensure the financial integrity of the Services Authority.

### 11.1 Funding Mechanism

The Services Authority will be funded through tipping fees from the member communities and commercial customers. The projected per ton tipping fees have been developed based on the projected quantity of material that will be landfilled during FY 2008, which should allow the Services Authority to generate sufficient revenue levels. The Services Authority has the expectation that it will recover all of its expenses through its tipping fees. However, to the extent that there is a revenue shortfall, the Use Agreement for the Services Authority does include provisions that require each member jurisdictions to pay for its Pro Rata Share of the deficit. Each such Member Jurisdiction shall have a “moral obligation” to appropriate its Pro Rata Share of such Annual Deficit.

### 11.2 Financing

The Services Authority will have a need to issue debt to fund various capital expenses, which include but are not limited to the initial acquisition of assets, equipment and facility development/improvement. While the Services Authority is finalizing its options, it is expected that the Services Authority will issue revenue bonds to fund future debt. The Services Authority is currently in discussions with the Virginia Resources Authority (VRA). VRA provides cost-effective financial solutions to local governments and other public bodies for projects that improve the quality of life of Virginians.



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## Section 12

# PUBLIC PARTICIPATION

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### 12.1 Public/Private Partnerships

The Authority seeks to support all activities relative to reuse, reduction and recycling. However, at this time, it does not have any contracted partnerships with the private sector. It is not anticipated that the Authority will initiate any new contracted partnerships with the private sector over the 20-year life of the plan.

### 12.2 Public Hearings

Virginia Waste Management Board Solid Waste Management Planning Regulation 9 VAC 20-130-130 states that prior to the submission of a solid waste management plan, the submitter (Region 2000) shall publish a notice and hold a public hearing on the plan in accordance with the procedures of the Region 2000 planning agency. A record of the public hearing, copies of all written comments and the submitter's responses to the comments are provided in the Appendix.

The Region did not use a citizen advisory committee to prepare the plan. It relied on its staff and engineering consultant to develop the plan that was presented to communities that comprise Region 2000 during work session and then to the public during advertised public meetings. No other specific public participation activities were conducted for the plan. However, the plan will become the cornerstone of future public education activities.

To ensure compliance with 9 VAC 20-130-130, the authority, in addition to the individual communities will conduct a public meeting to discuss the waste management issues with community residents and to establish working relationships with community interest groups, businesses and industry.

#### 12.2.1 Authority

On behalf of the Counties of Appomattox, Campbell and Nelson, and the Cities of Lynchburg and Bedford, the Authority advertised in The Union Star on January 23, 2008, and held a public hearing on the plan at the Lynchburg Public Library on February 7, 2008. A copy of the Notice of Public Hearing issued by the Authority is shown in Appendix F. All records and written comments are shown in Appendix G.

### 12.2.2 Individual Communities

In addition to the Notice of Public Hearing issued by the Authority, the individual communities each conducted a Public Hearing to provide residents and businesses with an option to comment on the regional solid waste management plan. Table 11-1 displays the advertisement media and the dates of the individual public hearings.

**Table 12-1**  
**Public Hearings**

Name	Advertisement Media Used	Day of Week Public Hearing Scheduled	Month/Date/Year of Public Hearing	Location of Public Hearing
Appomattox County	The Times Virginian	Monday	May 19, 2008	Appomattox Community Center
Campbell County	The Altavista Journal	Monday	March 3, 2008	Board of Supervisors meeting room at the Haberer Building,
Nelson County	The Nelson County Times	Tuesday	February 12, 2008	Supervisors Room of Nelson County Courthouse
City of Bedford	The Bedford Bulletin	Tuesday	February 26, 2008	Council Chambers or City Hall
City of Lynchburg	The Lynchburg Ledger	Tuesday	March 11, 2008	City Council Chamber

Appendix H contains a copy of the Notice of Public Hearing that each individual community issued. Copies of the minutes and other notes from these meetings are included in Appendix I.

## Section 13

# RECORD KEEPING

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After July 2008, when the Region 2000 Service Authority assumes ownership of the landfill, all reporting requirements relative to disposal and landfill operations will be assumed by the Regional Authority. Likewise, after July 2008, the Communities that comprise Region 2000 will initiate recycling reporting to the Regional Authority which will then be responsible for completing the 50-30 form for the Region. These reports, updates, and DEQ submittals as well as the background information are kept in the central archive (files) of the regional solid waste program located at the Region's Waste Management Department, located at 828 Main Street, 12th Floor Lynchburg, VA 24504. The same information will also be kept in the archives of the communities that comprise Region 2000. The Director of DEQ receives copies of the appropriate information through the following sources:

- Direct submittal to DEQ of Form 50-25 (Waste Assessment) and Form 50-30 (Recycling).
- New permit requests.
- Permit amendments.
- Updates to the solid waste management plan.

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**Appendix A**  
**DEQ DESIGNATION OF REGION (APPROVAL LETTER)**

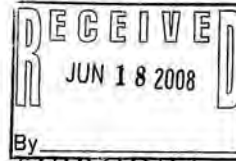


## APPENDIX A

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## APPENDIX A



BC6209-03

LPK  
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### 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

L. Preston Bryant, Jr.  
Secretary of Natural Resources

David K. Paylor  
Director

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

June 17, 2008

Mr. Clarke Gibson, Director of Solid Waste  
Region 2000 Service Authority  
Virginia's Region 2000 Local Government Council  
828 Main Street, 12<sup>th</sup> Floor  
Lynchburg, VA 24504

**Re: Designation of the Region 2000 Services Authority as a Solid Waste Planning Unit**

Dear Mr. Gibson:

The Region 2000 Services Authority has filed a petition for designation as a Solid Waste Planning Unit. The Region 2000 Services Authority consists of: the Counties of Campbell and Nelson, the Cities of Lynchburg and Bedford plus the Towns of Altavista and Brookneal. In accordance with § 9 VAC 20-130-180 of the Solid Waste Planning and Recycling Regulations, Amendment 2 (regulations), the Region 2000 Services Authority is hereby designated as a Solid Waste Planning Unit.

The petition to form a Region was received by the Department on October 4, 2007. The Department received revisions on January 30, 2008 and April 25, 2008. The petition was accepted by the Department on May 5, 2008.

In accordance with § 9 VAC 20-130-190 of the regulations, a public notice concerning the Region 2000 Service Authority-Petition to form a Planning Region was published in the Virginia Register of Regulations as well as the Lynchburg News & Advance, The Bedford Bulletin and The Nelson County Times. The comment period for these notices ended on May 16, 2008 with no comments received. Again, in accordance with § 9 VAC 20-130-190 of the regulations, it was determined that there was not a need to hold a public hearing concerning this designation.

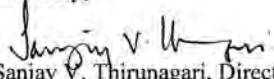
## APPENDIX A

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Mr. Clarke Gibson  
Page 2

Thank you 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

cc: Lynn Klappich, Project Manager, Draper Aden Associates  
Daniel S. Gwinner – VADEQ  
Stephen Coe - VADEQ  
Leslie Beckwith – VADEQ  
David Miles – VADEQ  
Robert Goode – VADEQ  
Matt Biesterveld - VADEQ

## APPENDIX A

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### 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](http://www.deq.virginia.gov)

L. Preston Bryant, Jr.  
Secretary of Natural Resources

David K. Paylor  
Director

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

October 17, 2008

Mr. Clarke Gibson, Director of Solid Waste  
Region 2000 Service Authority  
Virginia's Region 2000 Local Government Council  
828 Main Street, 12<sup>th</sup> Floor  
Lynchburg, VA 24504

**Subject: Review of the Solid Waste Management Plan for the  
Region 2000 Service Authority  
Amendment to Regional Boundary**

OCT 20 2008

Dear Mr. Gibson:

The Department sent the Region a letter dated June 26, 2008 with a review of the Solid Waste Management Plan (Preliminary Draft) for the Region. The Department received a letter from the Region on October 6, 2008 requesting an extension for the response time.

The extension is granted. In accordance with the emails dated October 10, 2008 between you and me, Region 2000 will submit a response to the June 26, 2008 review by December 15, 2008. It is understood by the Department that the response will now include information on Appomattox County which will be joining the Region 2000 Solid Waste Planning Unit.

In order for Appomattox County to join the Region 2000 Solid Waste Planning Unit, it will be necessary to amend the planning unit boundaries in accordance with Section 9 VAC 20-130-220 of the Solid Waste Planning and Recycling Regulations, Amendment 2.

Section 9 VAC 20-130-220 states:

"The director may amend a solid waste planning unit's boundary based on an application from the governing body or bodies of the solid waste planning unit. Along with the application, each locality (within the original region and any locality being added) must submit a letter acknowledging the changes in the boundary."

## APPENDIX A

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Mr. Clarke Gibson  
Page 2

The application for the amended boundary must be approved before the Solid Waste Management Plan, with the addition of Appomattox County, can be approved. However, the review of the plan can proceed as scheduled above.

Should you have any questions, please do not hesitate to call me at (804) 698-4218.

Sincerely,



Daniel S. Gwinner  
Environmental Engineer Senior  
Office of Waste Technical Support

cc: Sanjay V. Thirunagari – VADEQ  
David Miles – VADEQ  
Robert Goode – VADEQ  
Matt Biesterveld - VADEQ

**Appendix B**  
**MASTER SCHEDULE**

## APPENDIX B

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## APPENDIX B

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## APPENDIX B

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**Appendix C**  
**AUTHORIZATION BY LOCAL GOVERNMENTS TO**  
**FORMATION OF REGION 2000 SOLID WASTE AUTHORITY**  
  
**AND**  
**AUTHORIZATION BY LOCAL GOVERNMENTS TO MODIFY**  
**REGION 2000 SOLID WASTE AUTHORITY TO INCLUDE**  
**APPOMATTOX COUNTY**

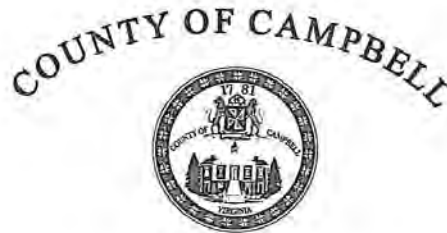
## APPENDIX C

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## APPENDIX C

### Campbell County



At the regular meeting of the Campbell County Board of Supervisors held on the 15<sup>th</sup> day of October 2007 in the Board of Supervisors Meeting Room of the Haberer Building, Rustburg, Virginia:

**CONCURRENT RESOLUTIONS OF THE BOARDS OF SUPERVISORS OF CAMPBELL COUNTY, NELSON COUNTY AND THE CITY COUNCILS OF BEDFORD AND LYNCHBURG CREATING AND ADOPTING ARTICLES OF INCORPORATION FOR THE REGION 2000 SERVICES AUTHORITY AND APPROVING THE REGION 2000 SERVICES AUTHORITY MEMBER USE AGREEMENT**

Whereas, the respective City Councils and Boards of Supervisors have published notices pursuant to the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Sections 15.2-5100 *et. seq.* of the Code of Virginia), as amended, ("the Act") of their intent to create and adopt proposed Articles of Incorporation for a body politic and corporate to be known as the Region 2000 Services Authority and to approve the Region 2000 Services Authority Member Use Agreement; and

Whereas, public hearings have been conducted by each of the respective Boards of Supervisors and City Councils; and

Whereas, the Boards of Supervisors and City Councils find it be in the public interest that the Region 2000 Services Authority be established to exercise the powers and carry out the responsibilities set forth in the Act, for the benefit of the citizens of Campbell and Nelson Counties and the Cities of Bedford and Lynchburg.

**NOW THEREFORE, IT IS CONCURRENTLY RESOLVED BY THE BOARDS OF SUPERVISORS OF CAMPBELL AND NELSON COUNTIES AND THE CITIES OF BEDFORD AND LYNCHBURG**, that the Region 2000 Services Authority (the "Authority") is hereby created and established as a body politic and corporate in the Commonwealth of Virginia under the following:

**ARTICLES OF INCORPORATION**

**Article 1.** The Region 2000 Services Authority (the "Authority") is hereby created and established as a body politic and corporate in the Commonwealth of Virginia. The principal office of the Authority shall be located with the Virginia's Region 2000 Partnership Local Government Council at 828 Main Street, 12<sup>th</sup> Floor, Lynchburg, Virginia 24505 and shall consistently reside with the Local Government Council offices in the future.

**Article 2.** The names of the localities participating in the Authority are the Counties of Campbell and Nelson, and the Cities of Bedford and Lynchburg.

**Article 3.** The Authority shall consist of a board of four members, with one member appointed by the local governing body of each jurisdiction. The terms of the initial members of the board shall expire June 30, 2010. Members shall then be appointed for four year terms. The names and addresses of the initial members of the Board are:

Campbell County

R. David Laurrell, County Administrator  
P.O. Box 100, Rustburg, VA 24588

RESPECTING THE PAST, ATTENDING THE PRESENT, CONCENTRATING ON THE FUTURE

## APPENDIX C

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### Nelson County

Stephen A. Carter, County Administrator  
P.O. Box 336, Lovingson, VA 22949

### City of Lynchburg

L. Kimball Payne, III, City Manager  
900 Church Street, Lynchburg, VA 24504

### City of Bedford

Charles Kolakowski, City Manager  
P.O. Box 807, Bedford, VA 24523

**Article 4.** Each local governing body also may select an alternate board member to have all of the voting and other rights of a board member if the board member is not present at a meeting of the Authority. The term for each alternate shall be the same as the term of the board member. The following persons are appointed to serve as the initial alternates to the board of the Authority:

### Campbell County

Clifton M. Tweedy  
P.O. Box 100, Rustburg, VA 24588

### Nelson County

Susan E. McSwain  
P.O. Box 336, Lovingson, VA 22949

### City of Lynchburg

David A. Owen  
900 Church Street, Lynchburg, VA 24504

### City of Bedford

**Article 5.** The Authority is created and established under the provisions of the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Section 15.2-5100 *et. seq.* of the Code of Virginia) (the "Act"). The authority shall have all powers and duties set forth in the Act, as the same may be from time to time amended. The initial project of the Authority shall be to own and operate as a regional entity the landfills that currently are owned and operated by the City of Lynchburg and Campbell County, and to accept municipal solid waste generated within each of the participating jurisdictions (and from outside the jurisdictions if approved by the Authority) in those landfills in accordance with a Member Use Agreement to be approved by each of the local governing bodies. It is anticipated that the use of the landfills will be phased, with the Campbell County landfill being temporarily closed while the Lynchburg landfill is being utilized to its operating capability. The initial capital cost to purchase the landfills, including the site improvements, landfill capacity and land, buildings, equipment and rolling stock, and the closure and post-closure reserve funds, less the outstanding debt and the closure and post-closure liability for each locality, result in a payment to the City of Lynchburg of \$1,714,840, and a payment from Campbell County of \$270,000, for a net capital cost of \$1,444,840. The preliminary estimate of the cost per ton to the localities for solid waste delivered to the landfills owned by the Authority is \$23.91 per ton. It is impractical at this time to determine a per ton charge for private haulers using the landfills. Both the capital cost figure and the cost per ton are preliminary figures and are subject to change.

**Article 7.** All members of the board shall serve without compensation, but may be reimbursed by the Authority for their actual expenses incurred in the course of their duties.

**Article 8.** Existing members of the Authority may withdraw from membership, and other localities may join the Authority, as provided in Section 15.2-5112 of the Code of Virginia, as amended. In the event other localities join the

RESPECTING THE PAST, ATTENDING THE PRESENT, CONCENTRATING ON THE FUTURE

## APPENDIX C

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Authority, they will be asked to reimburse the localities which initially created the Authority for a fair share of the development costs of the Authority.

**Article 9.** All of the operations, management and fiscal services of the Authority shall be provided through contractual arrangements through the Virginia's Region 2000 Local Government Council. Subject to the approval of the Authority Board, it is the intent of the Member Jurisdictions that the Executive Director of Virginia's Region 2000 Local Government Council be appointed by the Authority to serve as the chief administrative or executive officer of the Authority pursuant to Section 15.2-5113(E) of the Code of Virginia.

**BE IT FURTHER RESOLVED** that the Region 2000 Services Agreement is hereby approved, and the Chairman or Mayor is authorized to enter into such Agreement.

Adopted by the Board of Supervisors of the County of Campbell this 15<sup>th</sup> day of October, 2007.

The vote was:   Aye:   Boyer, Carter, Falwell, Gunter, Pendleton, Puckett, Rosser  
                  Nay:   None

  
\_\_\_\_\_  
J. D. Puckett, Chairman

Attested:

  
\_\_\_\_\_  
Catherine H. Moore  
Clerk

RESPECTING THE PAST, ATTENDING THE PRESENT, CONCENTRATING ON THE FUTURE



## APPENDIX C

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On behalf of the County of Campbell, the undersigned certifies his intent that his signature, affixed below constitutes valid execution of the modification of the Region 2000 Services Authority regional boundary to include Appomattox County dated this 9<sup>th</sup> day of April, 2009, by and among the Region 2000 Services Authority, the County of Appomattox, the County of Campbell, the County of Nelson, the City of Bedford and the City of Lynchburg.

COUNTY OF CAMPBELL

By: 

Chairman  
Board of Supervisors

ATTEST:



Clerk



## APPENDIX C

### Nelson County

BOARD OF  
SUPERVISORS

THOMAS D. HARVEY  
North District

HARRY S. HARRIS  
South District

ALLEN M. HALE  
East District

THOMAS H. BRUGUIERE, JR.  
West District

CONSTANCE BRENNAN  
Central District



STEPHEN A. CARTER  
Administrator

DEBRA K. MCGANN  
Director of Finance and  
Human Resources

R2007-065

#### NELSON COUNTY BOARD OF SUPERVISORS

**CONCURRENT RESOLUTIONS OF THE BOARDS OF SUPERVISORS OF  
AMHERST COUNTY, CAMPBELL COUNTY AND NELSON COUNTY AND  
THE CITY COUNCILS OF BEDFORD AND LYNCHBURG CREATING AND  
ADOPTING ARTICLES OF INCORPORATION FOR THE REGION 2000  
SERVICES AUTHORITY AND APPROVING THE REGION 2000  
SERVICES AUTHORITY MEMBER USE AGREEMENT**

**Whereas**, the respective City Councils and Boards of Supervisors have published notices pursuant to the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Sections 15.2-5100 *et. seq.* of the Code of Virginia), as amended, ("the Act") of their intent to create and adopt proposed Articles of Incorporation for a body politic and corporate to be known as the Region 2000 Services Authority and to approve the Region 2000 Services Authority Member Use Agreement; and

**Whereas**, public hearings have been conducted by each of the respective Boards of Supervisors and City Councils; and

**Whereas**, the Boards of Supervisors and City Councils find it be in the public interest that the Region 2000 Services Authority be established to exercise the powers and carry out the responsibilities set forth in the Act, for the benefit of the citizens of Amherst, Campbell and Nelson Counties and the Cities of Bedford and Lynchburg.

**NOW THEREFORE, IT IS CONCURRENTLY RESOLVED BY THE  
BOARDS OF SUPERVISORS OF AMHERST, CAMPBELL AND NELSON  
COUNTIES AND THE CITIES OF BEDFORD AND LYNCHBURG**, that the Region 2000 Services Authority (the "Authority") is hereby created and established as a body politic and corporate in the Commonwealth of Virginia under the following:

#### ARTICLES OF INCORPORATION

**Article 1.** The Region 2000 Services Authority (the "Authority") is hereby created and established as a body politic and corporate in the Commonwealth of Virginia. The principal office of the Authority shall be located with the Virginia's Region 2000 Partnership Local Government Council at 828 Main Street, 12<sup>th</sup> Floor, Lynchburg,

## APPENDIX C

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Campbell County  
Clifton M. Tweedy  
P.O. Box 100, Rustburg, VA 24588

Nelson County  
Susan E. McSwain  
P.O. Box 336, Lovingson, VA 22949

City of Lynchburg  
David A. Owen  
900 Church Street, Lynchburg, VA 24504

City of Bedford  
Clarke W. Gibson  
P.O. Box 807, Bedford, VA 24523

**Article 5.** The Authority is created and established under the provisions of the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Section 15.2-5100 et. seq. of the Code of Virginia) (the "Act"). The authority shall have all powers and duties set forth in the Act, as the same may be from time to time amended. The initial project of the Authority shall be to own and operate as a regional entity the three landfills that currently are owned and operated by the City of Lynchburg, Amherst County and Campbell County, and to accept municipal solid waste generated within each of the five participating jurisdictions (and from outside the five jurisdictions if approved by the Authority) in those landfills in accordance with a Member Use Agreement to be approved by each of the local governing bodies. It is anticipated that the use of the three landfills will be phased, with the Campbell County landfill being temporarily closed while the other two landfills are being utilized to their operating capabilities. The initial capital cost to purchase the three landfills from each other localities, including the site to purchase the three landfills from each of the localities, including the site improvements, landfill capacity and land, buildings, equipment and rolling stock, and the closure and post-closure reserve funds, less the outstanding debt and the closure and post-closure liability for each locality, result in a payment to the City of Lynchburg of \$1,714,840, a payment from Campbell County of \$270,000, and a payment to Amherst County of \$363,849 for a net capital cost of \$2,348,689. The preliminary estimate of the cost per ton to the five localities for solid waste delivered to the landfills owned by the Authority is \$23.91 per ton. It is impractical at this time to determine a per ton charge for private haulers using the landfills. Both the capital cost figure and the cost per ton are preliminary figures and are subject to change.

**Article 7.** All members of the board shall serve without compensation, but may be reimbursed by the Authority for their actual expenses incurred in the course of their duties.

## APPENDIX C

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**Article 8.** Existing members of the Authority may withdraw from membership, and other localities may join the Authority, as provided in Section 15.2-5112 of the Code of Virginia, as amended. In the event other localities join the Authority, they will be asked to reimburse the localities who initially created the Authority for a fair share of the development costs of the Authority.

**Article 9.** All of the operations, management and fiscal services of the Authority shall be provided through contractual arrangements through the Virginia's Region 2000 Local Government Council. Subject to the approval of the Authority Board, it is the intent of the Member Jurisdictions that the Executive Director of Virginia's Region 2000 Local Government Council be appointed by the Authority to serve as the chief administrative or executive officer of the Authority pursuant to Section 15.2-5113(E) of the Code of Virginia.

**BE IT FURTHER RESOLVED** that the Region 2000 Services Agreement is hereby approved, and the Chairman or Mayor is authorized to enter into such Agreement.

Adopted: July 10, 2007

Attest: Steph A. Carter  
Clerk, Nelson County Board of Supervisors

Attest: Thomas H. Bruns  
Chairman, Nelson County Board of Supervisors

## APPENDIX C

BOARD OF  
SUPERVISORS

THOMAS D. HARVEY  
North District

HARRY S. HARRIS  
South District

ALLEN M. HALE  
East District

THOMAS H. BRUGUIERE, JR.  
West District

CONSTANCE BRENNAN  
Central District



STEPHEN A. CARTER  
Administrator

DEBRA K. MCGANN  
Director of Finance and  
Human Resources

**RESOLUTION-R2007-090**  
**NELSON COUNTY BOARD OF SUPERVISORS**  
**REGION 2000 SOLID WASTE AUTHORITY RE-ADOPTION OF RESOLUTION**  
**R2007-065 ESTABLISHING THE AUTHORITY EXCLUDING AMHERST**  
**COUNTY**

**WHEREAS**, the Board of Supervisors on July 10, 2007 adopted Resolution **R2007-065** creating and adopting Articles of Incorporation for the Region 2000 Services Authority and approving the Region 2000 Services Authority Member Use Agreement including Amherst County, and;

**WHEREAS**, Amherst County has not adopted the same Articles of Incorporation and Member Use Agreement indicating non-participation in the Region 2000 Services Authority, and;

**WHEREAS**, legal council for the Region 2000 Services Authority recommends re-adoption of Resolution **R2007-065** removing all references to Amherst County, in order to establish the Authority in accordance with State Corporation Commission guidelines;

**NOW THEREFORE BE IT RESOLVED**, by the Nelson County Board of Supervisors that Resolution **R2007-065** previously adopted on July 10, 2007 approving the Articles of Incorporation and Member Use Agreement for the Region 2000 Services Authority, is hereby re-adopted removing all references, in both the Articles of Incorporation and Member Use Agreement, to the County of Amherst as a member of the Authority.

Adopted: October 9, 2007

Attest: Stephen A. Carter  
Clerk, Nelson County Board of Supervisors

## APPENDIX C

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On behalf of the County of Nelson, the undersigned certifies his intent that his signature, affixed below constitutes valid execution of the modification of the Region 2000 Services Authority regional boundary to include Appomattox County dated this \_\_\_\_\_ day of \_\_\_\_\_, 2009, by and among the Region 2000 Services Authority, the County of Appomattox, the County of Campbell, the County of Nelson, the City of Bedford and the City of Lynchburg.

COUNTY OF NELSON

By: Allen M. Hale

Chairman  
Board of Supervisors

ATTEST:

Steph A. Carter

Clerk

### City of Bedford

**CONCURRENT RESOLUTIONS OF THE BOARDS OF SUPERVISORS OF  
CAMPBELL COUNTY AND NELSON COUNTY AND THE CITY COUNCILS  
OF BEDFORD AND LYNCHBURG CREATING AND ADOPTING ARTICLES  
OF INCORPORATION FOR THE REGION 2000 SERVICES AUTHORITY AND  
APPROVING THE REGION 2000  
SERVICES AUTHORITY MEMBER USE AGREEMENT**

**WHEREAS**, the respective City Councils and Boards of Supervisors have published notices pursuant to the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Sections 15.2-5100 *et. seq.* of the Code of Virginia), as amended, ("the Act") of their intent to create and adopt proposed Articles of Incorporation for a body politic and corporate to be known as the Region 2000 Services Authority and to approve the Region 2000 Services Authority Member Use Agreement; and

**WHEREAS**, public hearings have been conducted by each of the respective Boards of Supervisors and City Councils; and

**WHEREAS**, the Boards of Supervisors and City Councils find it be in the public interest that the Region 2000 Services Authority be established to exercise the powers and carry out the responsibilities set forth in the Act, for the benefit of the citizens of Campbell and Nelson Counties and the Cities of Bedford and Lynchburg.

**NOW THEREFORE, IT IS CONCURRENTLY RESOLVED BY THE BOARDS OF SUPERVISORS OF CAMPBELL AND NELSON COUNTIES AND THE CITIES OF BEDFORD AND LYNCHBURG**, that the Region 2000 Services Authority (the "Authority") is hereby created and established as a body politic and corporate in the Commonwealth of Virginia under the following:

#### **ARTICLES OF INCORPORATION**

**Article 1.** The Region 2000 Services Authority (the "Authority") is hereby created and established as a body politic and corporate in the Commonwealth of Virginia. The principal office of the Authority shall be located with the Virginia's Region 2000 Partnership Local Government Council at 828 Main Street, 12<sup>th</sup> Floor, Lynchburg, Virginia 24505 and shall consistently reside with the Local Government Council offices in the future.

**Article 2.** The names of the localities participating in the Authority are the Counties of Campbell and Nelson, and the Cities of Bedford and Lynchburg.



## APPENDIX C

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**Article 3.** The Authority shall consist of a board of five members, with one member appointed by the local governing body of each jurisdiction. The terms of the initial members of the board shall expire June 30, 2010. Members shall then be appointed for four year terms. The names and addresses of the initial members of the Board are:

Campbell County

R. David Laurell, County Administrator  
P.O. Box 100, Rustburg, VA 24588

Nelson County

Stephen A. Carter, County Administrator  
P.O. Box 336, Lovingston, VA 22949

City of Lynchburg

L. Kimball Payne, III, City Manager  
900 Church Street, Lynchburg, VA 24504

City of Bedford

Charles Kolakowski, City Manager  
P.O. Box 807, Bedford, VA 24523

**Article 4.** Each local governing body a'iso may select an alternate board member to have all of the voting and other rights of a board member if the board member is not present at a meeting of the Authority. The term for each alternate shall be the same as the term of the board member. The following persons are appointed to serve as the initial alternates to the board of the Authority:

Campbell County

Clifton M. Tweedy  
P.O. Box 100, Rustburg, VA 24588

Nelson County

Susan E. McSwain  
P.O. Box 336, Lovingston, VA 22949

City of Lynchburg

David A. Owen  
900 Church Street, Lynchburg, VA 24504

City of Bedford

Clarke W. Gibson  
P.O. Box 807, Bedford, VA 24523

## APPENDIX C

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**Article 5.** The Authority is created and established under the provisions of the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Section 15.2-5100 *et. seq.* of the Code of Virginia) (the "Act"). The authority shall have all powers and duties set forth in the Act, as the same may be from time to time amended. The initial project of the Authority shall be to own and operate as a regional entity the three landfills that currently are owned and operated by the City of Lynchburg, and Campbell County, and to accept municipal solid waste generated within each of the five participating jurisdictions (and from outside the five jurisdictions if approved by the Authority) in those landfills in accordance with a Member Use Agreement to be approved by each of the local governing bodies. It is anticipated that the use of the three landfills will be phased, with the Campbell County landfill being temporarily closed while the other two landfills are being utilized to their operating capabilities. The initial capital cost to purchase the three landfills from each other localities, including the site to purchase the three landfills from each of the localities, including the site improvements, landfill capacity and land, buildings, equipment and rolling stock, and the closure and post-closure reserve funds, less the outstanding debt and the closure and post-closure liability for each locality, result in a payment to the City of Lynchburg of \$1,714,840, a payment from Campbell County of \$270,000. The preliminary estimate of the cost per ton to the five localities for solid waste delivered to the landfills owned by the Authority is \$23.91 per ton. It is impractical at this time to determine a per ton charge for private haulers using the landfills. Both the capital cost figure and the cost per ton are preliminary figures and are subject to change.

**Article 7.** All members of the board shall serve without compensation, but may be reimbursed by the Authority for their actual expenses incurred in the course of their duties.

**Article 8.** Existing members of the Authority may withdraw from membership, and other localities may join the Authority, as provided in Section 15.2-5112 of the Code of Virginia, as amended. In the event other localities join the Authority, they will be asked to reimburse the localities who initially created the Authority for a fair share of the development costs of the Authority.

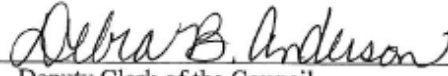
**Article 9.** All of the operations, management and fiscal services of the Authority shall be provided through contractual arrangements through the Virginia's Region 2000 Local Government Council. Subject to the approval of the Authority Board, it is the intent of the Member Jurisdictions that the Executive Director of Virginia's Region 2000 Local Government Council be appointed by the Authority to serve as the chief administrative or executive officer of the Authority pursuant to Section 15.2-5113(E) of the Code of Virginia.

**BE IT FURTHER RESOLVED** that the Region 2000 Services Agreement is hereby approved, and the Chairman or Mayor is authorized to enter into such Agreement.

## APPENDIX C

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I hereby certify that the foregoing is a true and exact copy of a Resolution adopted at an adjourned meeting of the Council of the City of Bedford, Virginia, held on October 9, 2007, at which said meeting a quorum was present and voted.

A handwritten signature in cursive script, reading "Debra B. Anderson", is written over a horizontal line.

Deputy Clerk of the Council

## APPENDIX C

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On behalf of the City of Bedford, the undersigned certifies his intent that his signature, affixed below constitutes valid execution of the modification of the Region 2000 Services Authority regional boundary to include Appomattox County dated this 9th day of April, 2009, by and among the Region 2000 Services Authority, the County of Appomattox, the County of Campbell, the County of Nelson, the City of Bedford and the City of Lynchburg.

CITY OF BEDFORD

By: W.D. Gray

Mayor

ATTEST:

Jeresa W. Hatcher

Clerk

## APPENDIX C

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### City of Lynchburg

#### LYNCBURG CITY COUNCIL Agenda Item Summary

MEETING DATE: <b>October 9, 2007</b>		AGENDA ITEM NO.: 10
CONSENT:	REGULAR: <b>X</b>	CLOSED SESSION: (Confidential)
ACTION: <b>X</b>	INFORMATION:	
<u>ITEM TITLE:</u> <b>Regional Solid Waste Initiative</b>		

**RECOMMENDATION:** Approve a resolution to adopt Articles of Incorporation establishing the Region 2000 Services Authority by the City of Lynchburg with participating members including the City of Bedford, Campbell County and Nelson County for the purpose of operating a regional landfill system serving the four jurisdictions and to authorize the City Manager to enter into a Member Use Agreement among the four jurisdictions and the authority for the operation of the landfills in Campbell and Lynchburg on a regional basis by the Authority pursuant to Section 15.2-5100 *et seq.* of the Code of Virginia.

**SUMMARY:** For the past three years the Local Government Council (Region 2000), working with the Solid Waste Directors for the Counties of Amherst, Campbell, Nelson and the Cities of Bedford and Lynchburg, explored the feasibility of managing solid waste on a regional basis. On July 10, 2007, the Lynchburg City Council adopted a resolution adopting Articles of Incorporation establishing the Region 2000 Services Authority with participating members of the City of Bedford, the City of Lynchburg, Amherst County, Campbell County and Nelson County and authorizing the City Manager to enter into a Member Use Agreement with the five jurisdictions. Since the adoption of the resolution on July 10, Amherst County decided not to participate in the regional solid waste authority. As a result of Amherst County's decision not to participate in the authority, it is necessary for the other jurisdictions to adopt resolutions indicating they are willing to go forward with a regional solid waste authority without Amherst County.

**PRIOR ACTION(S):** On July 10, 2007, City Council adopted a resolution adopting Articles of Incorporation for a regional solid waste authority.

**FISCAL IMPACT:** Considerable long term savings for the City of Lynchburg and participating members regarding solid waste disposal activities.

**CONTACT(S):** Kimball Payne, Dave Owen

**ATTACHMENT(S):**

A resolution adopting Articles of Incorporation establishing the Region 2000 Services Authority  
Revised Member Use Agreement

**REVIEWED BY:** Ikp

## APPENDIX C

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### Campbell County

R. David Laurell, County Administrator  
P.O. Box 100, Rustburg, VA 24588

### Nelson County

Stephen A. Carter, County Administrator  
P.O. Box 336, Lovingson, VA 22949

### City of Lynchburg

L. Kimball Payne, III, City Manager  
900 Church Street, Lynchburg, VA 24504

### City of Bedford

Charles Kolakowski, City Manager  
P.O. Box 807, Bedford, VA 24523

**Article 4.** Each local governing body also may select an alternate board member to have all of the voting and other rights of a board member if the board member is not present at a meeting of the Authority. The term for each alternate shall be the same as the term of the board member. The following persons are appointed to serve as the initial alternates to the board of the Authority:

### Campbell County

Clifton M. Tweedy  
P.O. Box 100, Rustburg, VA 24588

### Nelson County

Susan E. McSwain  
P.O. Box 336, Lovingson, VA 22949

### City of Lynchburg

David A. Owen  
900 Church Street, Lynchburg, VA 24504

### City of Bedford

Clarke W. Gibson  
P.O. Box 807, Bedford, VA 24523

**Article 5.** The Authority is created and established under the provisions of the Virginia Water and Waste Authorities Act, Chapter 51 of Title 15.2 (Section 15.2-5100 et. seq. of the

## APPENDIX C

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Code of Virginia) (the "Act"). The authority shall have all powers and duties set forth in the Act, as the same may be from time to time amended. The initial project of the Authority shall be to own and operate as a regional entity the landfills that currently are owned and operated by the City of Lynchburg and Campbell County, and to accept municipal solid waste generated within each of the participating jurisdictions (and from outside the jurisdictions if approved by the Authority) in those landfills in accordance with a Member Use Agreement to be approved by each of the local governing bodies. It is anticipated that the use of the landfills will be phased, with the Campbell County landfill being temporarily closed while the Lynchburg landfill is being utilized to its operating capability. The initial capital cost to purchase the landfills,, including the site improvements, landfill capacity and land, buildings, equipment and rolling stock, and the closure and post-closure reserve funds, less the outstanding debt and the closure and post-closure liability for each locality, result in a payment to the City of Lynchburg of \$1,714,840, and a payment from Campbell County of \$270,000. for a net capital cost of \$1,444,840. The preliminary estimate of the cost per ton to the localities for solid waste delivered to the landfills owned by the Authority is \$23.91 per ton. It is impractical at this time to determine a per ton charge for private haulers using the landfills. Both the capital cost figure and the cost per ton are preliminary figures and are subject to change.

**Article 7.** All members of the board shall serve without compensation, but may be reimbursed by the Authority for their actual expenses incurred in the course of their duties.

**Article 8.** Existing members of the Authority may withdraw from membership, and other localities may join the Authority, as provided in Section 15.2-5112 of the Code of Virginia, as amended. In the event other localities join the Authority, they will be asked to reimburse the localities which initially created the Authority for a fair share of the development costs of the Authority.

**Article 9.** All of the operations, management and fiscal services of the Authority shall be provided through contractual arrangements through the Virginia's Region 2000 Local Government Council. Subject to the approval of the Authority Board, it is the intent of the Member Jurisdictions that the Executive Director of Virginia's Region 2000 Local Government Council be appointed by the Authority to serve as the chief administrative or executive officer of the Authority pursuant to Section 15.2-5113(E) of the Code of Virginia.

**BE IT FURTHER RESOLVED** that the Region 2000 Services Agreement is hereby approved, and the Mayor is authorized to enter into such Agreement.

Adopted:        October 9, 2007

Certified:      Catherine W. Kost  
Clerk of Council

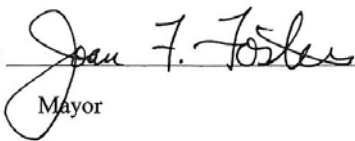


## APPENDIX C


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On behalf of the City of Lynchburg, the undersigned certifies <sup>her</sup>his intent that <sup>her</sup>his signature, affixed below constitutes valid execution of the modification of the Region 2000 Services Authority regional boundary to include Appomattox County dated this \_\_\_\_\_ day of \_\_\_\_\_, 2009, by and among the Region 2000 Services Authority, the County of Appomattox, the County of Campbell, the County of Nelson, the City of Bedford and the City of Lynchburg.

CITY OF LYNCHBURG

By:   
Mayor

ATTEST:

  
Clerk

## APPENDIX C

### Appomattox County

Sep. 9. 2008 1:29PM App. Co. Admin. Office

No. 2414 P. 2

#### SUPERVISORS

APPOMATTOX RIVER DISTRICT  
WILLIAM H. CRAFT

COURTHOUSE DISTRICT  
SAMUEL E. CARTER

FALLING RIVER DISTRICT  
THOMAS H. CONRAD

PINEY MOUNTAIN DISTRICT  
RUSSELL H. MOORE

WRECK ISLAND DISTRICT  
GARY W. TANNER

#### APPOMATTOX COUNTY



#### BOARD OF SUPERVISORS

P. O. Box 863  
Appomattox, Virginia 24522

#### COUNTY ADMINISTRATION OFFICE

(434) 352-2637  
FAX: (434) 352-4214  
[www.AppomattoxCountyVa.gov](http://www.AppomattoxCountyVa.gov)

#### RESOLUTION

**WHEREAS**, the Counties of Campbell and Nelson and the Cities of Lynchburg and Bedford established the Region 2000 Services Authority (the "Authority") by adopting Articles of Incorporation which were approved by the Commonwealth of Virginia State Corporation Commission effective December 28, 2007; and

**WHEREAS**, Appomattox County has indicated its desire to become a member of the Authority and to participate in the regional solid waste effort; and

**WHEREAS**, the governing bodies of the other Member Jurisdictions are willing to allow Appomattox to become a member of the Authority.

**NOW THEREFORE, BE IT RESOLVED** by the Authority and the Boards of Supervisors of Appomattox, Campbell and Nelson Counties and the City Councils of Lynchburg and Bedford, pursuant to Section 15.2-5112 of the Code of Virginia (1950), as amended, and following duly advertised public hearings, that Appomattox County shall become a member of the Authority, effective upon issuance of a certificate approving such expansion of the Authority by the State Corporation Commission. Appomattox has paid the Authority \$27,000.00, and shall make an additional payment of \$95,607.00 to the Authority prior to August 1, 2008 to reimburse the Authority its proportional share of the engineering, legal and other costs associated with the initial creation of the Authority.

The Board of the expanded Authority shall consist of the following five members, who shall serve for an initial term of 3 years expiring June 30, 2008. Subsequent terms shall be for three years.

#### Appomattox County

Member- Aileen Ferguson  
P.O. Box 863  
Appomattox, Virginia 24522  
Alternate- John K. Spencer

## APPENDIX C

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Sep. 9. 2008 1:29PM App. Co. Admin. Office

No. 2414 P. 3

### Campbell County

Member – R. David Laurell  
P.O. 100, Rustburg, VA 24588  
Alternate – Clifton M. Tweedy

### Nelson County

Member- Stephen A. Carter  
P.O. Box 336, Lovington, VA 22949  
Alternate – Susan E. McSwain

### City of Lynchburg

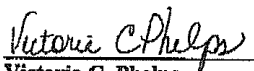
Member – L. Kimball Payne, III  
900 Church Street, Lynchburg, VA 24504  
Alternate – David A. Owen

### City of Bedford

Member- Charles Kolakowski  
P.O. Box 807, Bedford, VA 24523  
Alternate – Barrett F. Warner

**BE IT FURTHER RESOLVED** by the Authority and the Boards of Supervisors of Appomattox, Bedford and Nelson Counties and the City Councils of Lynchburg and Bedford that the First Amendment to the Region 2000 Services Authority Member Use Agreement is hereby approved, and the Chairman of the Board of Supervisor and/or Mayor of each governing body is authorized to sign the Amendment on behalf of each locality.

Adopted this 19<sup>th</sup> day of May, 2008.

  
By: Victoria C. Phelps  
Deputy Clerk

## APPENDIX C

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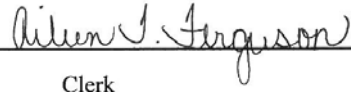
On behalf of the County of Appomattox, the undersigned certifies his intent that his signature, affixed below constitutes valid execution of the modification of the Region 2000 Services Authority regional boundary to include Appomattox County dated this 9<sup>th</sup> day of April, 2009, by and among the Region 2000 Services Authority, the County of Appomattox, the County of Campbell, the County of Nelson, the City of Bedford and the City of Lynchburg.

COUNTY OF APPOMATTOX

By: 

Chairman  
Board of Supervisors

ATTEST:

  
Clerk

## APPENDIX C

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**Appendix D**  
**ACCEPTANCE OF THE SWMP BY INDIVIDUAL**  
**COMMUNITIES**

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### Appomattox County

#### SUPERVISORS

APPOMATTOX RIVER DISTRICT  
WILLIAM H. CRAFT

COURTHOUSE DISTRICT  
SAMUEL E. CARTER

FALLING RIVER DISTRICT  
THOMAS H. CONRAD

PINEY MOUNTAIN DISTRICT  
RUSSELL H. MOORE

WRECK ISLAND DISTRICT  
GARY W. TANNER

#### APPOMATTOX COUNTY



#### BOARD OF SUPERVISORS

P. O. Box 863  
Appomattox, Virginia 24522

COUNTY ADMINISTRATION OFFICE  
(434) 352-2637  
FAX: (434) 352-4214  
[www.AppomattoxCountyVa.gov](http://www.AppomattoxCountyVa.gov)

**RESOLUTION  
FOR ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY  
APPOMATTOX, COUNTY, VIRGINIA**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 et seq., effective date August 1, 2001, through the Virginia Department Environmental quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit and solid waste management plan by July 1, 2004, and

**WHEREAS**, Appomattox County, Virginia ("Appomattox County"), has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the Regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consist of the Counties of Campbell, Appomattox and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, Appomattox County Board of Supervisors has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on February 17, 2009, and

**WHEREAS**, Appomattox County recognizes its responsibility to notify Region 2000 should anything change from the reported in the Solid Waste Management Plan

## APPENDIX D

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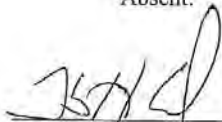
recognizing that major changes will require an amendment to the plan required by the regulations under 9 VAC 20-130-175.

**NOW, THEREFORE, BE IT RESOLVED**, that the Appomattox County Board of Supervisors has reviewed the plan and addressed the plan at their meeting in regular session on February 17, 2009 and hereby adopts the Regional Solid Waste Management Plan and authorized its submittal to the Virginia Department of Environmental Quality.

The vote was: Aye: Mr. Carter, aye; Mr. Conrad, aye; Mr. Craft, aye; Mr. Moore, aye; Mr. Tanner, aye.

Nay:

Absent:

  
\_\_\_\_\_  
Thomas H. Conrad  
Chairman, Board of Supervisors

### Campbell County



At the regular meeting of the Campbell County Board of Supervisors held on the 3<sup>rd</sup> day of March 2008 in the Board of Supervisors Meeting Room of the Haberer Building, Rustburg, Virginia:

On motion of Supervisor Gunter, it was resolved the Board of Supervisors adopts the following resolution:

**RESOLUTION  
FOR ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY  
CAMPBELL COUNTY, VIRGINIA**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental Quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit a solid waste management plan by July 1, 2004, and

**WHEREAS**, Campbell County, Virginia ("Campbell County"), has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the Regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, Campbell County has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on March 3, 2008 and

RESPECTING THE PAST, ATTENDING THE PRESENT, CONCENTRATING ON THE FUTURE

## APPENDIX D

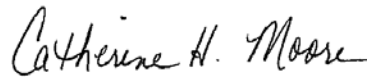
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**WHEREAS**, Campbell County recognizes its responsibility to notify Region 2000 should anything change from that reported in the Solid Waste Management Plan recognizing that major changes will require an amendment to the plan as required by the regulations under 9 VAC 20-130-175.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Supervisors of Campbell County, Virginia, has reviewed the plan and addressed the plan at their meeting in regular session on March 3, 2008 and hereby adopts the portion which applies directly to Campbell County, and authorizes its submittal to the Virginia Department of Environmental Quality.

The vote was: Aye: Falwell, Goldsmith, Gunter, Pendleton, Puckett, Rosser  
Nay: None  
Absent: Shockley

A copy teste:

  
\_\_\_\_\_  
CATHERINE H. MOORE  
CLERK TO THE BOARD OF SUPERVISORS

RESPECTING THE PAST, ATTENDING THE PRESENT, CONCENTRATING ON THE FUTURE

### City of Bedford

**RESOLUTION  
FOR ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY BEDFORD, VIRGINIA**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit a solid waste management plan by July 1, 2004, and

**WHEREAS**, the City Council of the City of Bedford, Virginia ("City"), has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

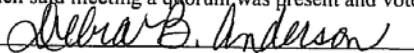
**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, the City Council of the City of Bedford, Virginia, has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on February 26, 2008, and

**WHEREAS**, the City Council of the City of Bedford, Virginia, recognizes its responsibility to notify Region 2000 should anything change from that reported in the Solid Waste Management Plan recognizing that major changes will require an amendment to the plan as required by the regulations under 9 VAC 20-130-175.

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Bedford, Virginia, has reviewed the plan and addressed the plan at their meeting in regular session on February 26, 2008, and hereby adopts the portion which applies directly to the City of Bedford, and authorizes its submittal to the Virginia Department of Environmental Quality.

I hereby certify that the foregoing is a true and exact copy of a Resolution adopted at an adjourned meeting of the Council of the City of Bedford, Virginia, held on February 26, 2008, at which said meeting a quorum was present and voted.



Deputy Clerk of the Council

### Nelson County

**BOARD OF  
SUPERVISORS**

THOMAS D. HARVEY  
North District

HARRY S. HARRIS  
South District

ALLEN M. HALE  
East District

THOMAS H. BRUGUIERE, JR.  
West District

CONSTANCE BRENNAN  
Central District



STEPHEN A. CARTER  
Administrator

DEBRA K. McCANN  
Director of Finance and  
Human Resources

**RESOLUTION- R2008-010  
ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY  
NELSON COUNTY BOARD OF SUPERVISORS**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit a solid waste management plan by July 1, 2004, and

**WHEREAS**, Nelson County, Virginia has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, Nelson County, Virginia has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on February 12, 2008 and

**WHEREAS**, Nelson County Virginia recognizes its responsibility to notify Region 2000 should anything change from that reported in the Solid Waste Management Plan recognizing that major changes will require an amendment to the plan as required by the regulations under 9 VAC 20-130-175.

## APPENDIX D

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**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Supervisors of Nelson County, Virginia, has reviewed the plan and addressed the plan at their meeting in regular session on February 12, 2008 and hereby adopts the Region 2000 Services Authority Solid Waste Management Plan including the portion which applies directly to Nelson County, and authorizes its submittal to the Virginia Department of Environmental Quality.

Adopted: February 12, 2008

Attest: , Clerk  
Nelson County Board of Supervisors



## APPENDIX D

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### City of Lynchburg

RESOLUTION:

#R-08-029

WHEREAS, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

WHEREAS, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment 1 as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental Quality, and

WHEREAS these regulations require every locality to submit significant changes to its solid waste management plan, and

WHEREAS, the City has determined that it is in its best interest to participate in the regional solid waste management effort, and

WHEREAS, the City has participated in the creation of the regional solid waste management plan and provided time for the public to review and comment on said plan and held a public hearing to seek input on the plan, and

WHEREAS, the City has carefully solicited the public's comments and considered them in the final plan, and

BE IT RESOLVED, that the Council for the City of Lynchburg has reviewed the regional solid waste management plan and addressed the plan at their meeting on March 11, 2008, and hereby adopts the plan, and authorizes its support to the Virginia Department of Environmental Quality.

Adopted: March 11, 2008

Certified:   
Clerk of Council

025L

cc: D. Owen

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**Appendix E**  
**ACCEPTANCE OF THE SWMP BY AUTHORITY**

## APPENDIX E

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## APPENDIX E

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**RESOLUTION  
FOR ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN**

WHEREAS, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

WHEREAS, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental quality, and


WHEREAS, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

WHEREAS, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

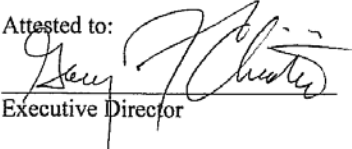
WHEREAS, Region 2000 Services Authority has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on February 6, 2008, and

NOW, THEREFORE, BE IT RESOLVED, that the Region 2000 Services Authority Board of Directors has reviewed the plan and addressed the plan at their meeting in regular session on March 26, 2008 and hereby adopts the Regional Solid Waste Management Plan and authorizes its submittal to the Virginia Department of Environmental Quality.

Adopted this 26th day of March, 2008

  
\_\_\_\_\_  
Chairman, Region 2000 Services Authority

Attested to:

  
\_\_\_\_\_  
Executive Director

## APPENDIX E

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**Appendix F**  
**NOTICE OF PUBLIC HEARING - AUTHORITY**



## APPENDIX F

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**NOTICE OF PUBLIC HEARING**

**RE: REGION 2000 SERVICES AUTHORITY  
SOLID WASTE MANAGEMENT PLAN**

Pursuant to the requirements of 9 VAC 20-130-130.A of the Virginia Solid Waste Management Plan Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss the proposed Region 2000 Services Authority Regional Solid Waste Management Plan on February 7, 2008, beginning at 6:00 P.M., at the Lynchburg Public Library meeting room located at 2315 Memorial Avenue in Lynchburg. The plan serves the Cities of Lynchburg and Bedford and the Counties of Campbell and Nelson. The plan addresses collection, disposal and recycling for a twenty year period.

Written comments on the Region 2000 Services Authority Solid Waste Management Plan will be accepted by the Region 2000 Services Authority until 5:00 P.M., February 14, 2008. All comments in writing shall be addressed to Region 2000 Services Authority, 828 Main Street, 12<sup>th</sup> Floor, Lynchburg, VA 24504 or [mail@region2000.org](mailto:mail@region2000.org).

A copy of the Region 2000 Solid Waste Management Plan can be viewed at Region 2000 Services Authority, 828 Main Street, 12<sup>th</sup> Floor, Lynchburg, VA 24504, [www.region2000.org/lgc](http://www.region2000.org/lgc) and Public Libraries in each of the participating communities. Information is also available from Clarke Gibson, Solid Waste Director, (434)-845-3491.

## APPENDIX F

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**Appendix G**  
**MINUTES AND ADDITIONAL DOCUMENTATION FROM**  
**PUBLIC HEARING HELD BY THE AUTHORITY**

## APPENDIX G

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## APPENDIX G

**REGION 2000 Services Authority Public Meeting**  
**Regional Solid Waste Management Plan**  
 Lynchburg Public Library  
 February 7, 2008

	Name	Address	Email	Phone
1.	TOM BOLEK	134 CRIST MILL RD, LYNCHBURG, VA 24501	tomgough@earthlink.net	846-8975
2.	ED FOSTER	188 LONESOME OAK TR LBG 24504	fostramfm@NETSCAPE.COM	847-5341
3.	MYLES JARVIS	737 Woodlark Ave LBG 24503	FLAMINGO@comcast.net	728-5443
4.	Ken Smith	2024 Longwood LBG 24503	KESDLS@aol.com	384-0857
5.	Bryan Gentry	3610 Fort Ave #5, Lbg VA 24507	bgentry@newadvoice.com	434-5655
6.	Clarke Gibson	828 Main St, 12 <sup>th</sup> Floor, Lynchburg VA 24504	cgibson@region2000.org	845-5678
7.	GARY CHRISTIE	828 MAIN ST, 12 <sup>th</sup> FLOOR, Lynchburg VA 24504	gchristie@region2000.org	845-3491
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

Public Hearing  
Regional Solid Waste Management Plan  
Lynchburg Public Library  
February 7, 2008  
Draft Minutes

Clarke Gibson and Gary Christie represented the Services Authority and distributed copies of the draft Solid Waste Management Plan to all attendees.

Clarke introduced the project and provided an overview of the Management Plan and the upcoming operations for the regional services authority related to solid waste disposal and recycling.

Based on a question from Mr. Myles Jackson, Clarke explained how the Authority would fund and finance the regional solid waste project and that the Authority would be contracting with the Local Government Council to provide operational and management services.

Based on a question from Mr. Myles Jackson, Clarke explained about the life cycle costs that would be the responsibility of the Authority and that there would be a "true-up" of air space and assets as the Authority takes over the landfills in Campbell and Lynchburg.

Based on a question from Ed Foster, Clarke explained that Nelson and Bedford would not sell assets to the Authority, but would pay a per ton Member Fee charge. Clarke noted that Appomattox would also pay the per ton member fee when they joined this spring. Clarke noted that Appomattox would have to pay an up front entrance fee which was based on a formula related to a proportional cost of project development, engineering costs to update plans, and an earnest fee to recognize the work that has been done to date.

Based on a question from Mr. Myles Jackson, Clarke explained the economic advantages of the regional solid waste approach, including lower operational costs and better procurement opportunities for future waste disposal.

Based on a question from Ed Foster, Clarke explained that a second scale house attendant would be on duty to help move customers through the scale house as quickly as possible. Although there will be additional customers coming to Lynchburg as a result of the closure of the Campbell landfill, the second scale house attendant is designed to prevent long lines.

Based on a question from Mr. Myles Jackson, Clarke explained that Campbell businesses would have to absorb the additional travel costs to get to Lynchburg.

Based on a question from Ed Foster, Clarke provided three alternatives for solid waste disposal after the Lynchburg and Campbell landfills were full. These include 1) continue land filling, 2) build a transfer station to take trash to an existing landfill, and 3) develop a waste to energy plant. Whatever alternative is selected, the volume of regional solid



## APPENDIX G

---

waste disposal will give the member jurisdictions and the Authority a better per ton disposal rate.

Based on a question from Ed Foster, Clarke explained that he was not familiar with the Appomattox Transfer Station proposals.

Ken Smith said that he has been involved with litter control for the City of Lynchburg and encouraged the Authority to pursue recycling and source reduction to increase recycling rates. He encouraged the Authority to provide curbside recycling collection service. Clarke commented that the Authority has authorized the hiring of a recycling program manager and that staff will examine the feasibility of recycling systems.

Ken Smith also commented that the Authority should incorporate green restaurant practices into the Solid Waste Management Plan to encourage composting of food scraps. He encouraged the Plan to incorporate any measures that would lessen the carbon footprint of our region.

Mr. Myles Jackson suggested that recycling and reduction of waste be listed as a goal of the Authority's mission statement.

Ken Smith applauded the regional cooperation concept and encouraged community leaders not to squander this opportunity to increase litter enforcement and control.

Upon a question from Mr. Myles Jackson, Gary Christie said he would research any pre-existing agreements that would explain what happens to the landfill property once it is closed and get the information back to Miles.

Mr. Myles Jackson commented that page 1-8, table 1-2, item 8 should read "meet or exceed recycling mandates."

Gary Christie noted that each member jurisdiction would also have public hearings on the solid waste management plan over the next several weeks. Clarke Gibson noted that that written comments would be continue to be received until Valentines Day.

THE UNION STAR  
P.O. BOX 180, BROOKNEAL, VA 24528

CERTIFICATE OF PUBLICATION

I hereby certify that the attached order of publication  
Has been published once a week for 1 successive  
Weeks in the Union Star, a newspaper published at the Union  
Star Office, in Campbell County, Virginia commencing on  
Jan 23, 2008 and ending on Jan 23, 2008

Charles A. Womack, Jr., Publisher

Chad B. Harrison, Managing Editor

By Emmily Mason  
Brookneal Virginia

JAN 28 2008

LEGALS

NOTICE OF PUBLIC  
HEARING

RE: REGION 2000 SERVICES  
AUTHORITY  
REGIONAL SOLID WASTE  
MANAGEMENT PLAN

Pursuant to the require-  
ments of 9 VAC 20-130-130.  
A of the Virginia Solid Waste  
Management Plan Regulations,  
the Region 2000 Services  
Authority will conduct a pub-  
lic hearing to discuss the pro-  
posed Region 2000 Services  
Authority Regional Solid Waste  
Management Plan on February  
7, 2008 beginning at 6:00 P.M.,  
at the Lynchburg Public Library  
meeting room located at 2315  
Memorial Avenue in Lynchburg.  
The plan serves the Cities of  
Lynchburg and Bedford and  
the Counties of Campbell and  
Nelson. The plan addresses  
collection, disposal and recy-  
cling for a twenty year period.

The purpose of this public  
hearing is to allow the pub-  
lic an opportunity to comment  
on the plan. Comments will  
be considered for inclusion in  
the final plan. Written com-  
ments on the Region 2000  
Services Authority Regional  
Solid Waste Management Plan  
will be accepted by the Region  
2000 Services Authority until  
5:00 P.M., February 14, 2008.  
All comments in writing shall  
be addressed to Region 2000  
Services Authority, 828 Main  
Street, 12<sup>th</sup> Floor, Lynchburg, VA  
24504 or mail@region2000.org

A copy of the Region 2000 Solid  
Waste Management Plan can be  
viewed at Region 2000 Services  
Authority, 828 Main Street, 12<sup>th</sup>  
Floor, Lynchburg, VA 24504,  
www.region2000.org/lgc and  
Public Libraries in each of  
the participating communi-  
ties. Information is also avail-  
able from Clarke Gibson, Solid  
Waste Director, 434-845-3491.

# The Lynchburg Ledger

P.O. Box 519, Rustburg, VA 24588 • 434-332-2845/434-332-5728 Fax • Email: lynchburgledger@hotmail.com

## AFFIDAVIT OF PUBLICATION

This is to certify that the matter of Publication FEB 7 2008

Submitted By:

Region 2000 Local Government  
Council  
Marjorie P. Gilley  
828 Main Street, 12th Floor  
Lynchburg, VA 24504

was published for 1 (one) week(s)  
in The Lynchburg Ledger, a newspaper  
of general circulation per Virginia  
Code 8.01-324, in its issue(s) of:

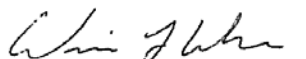
January 25, 2008

I, (the undersigned), an authorized representative of Press Media Group, LLC, which is the publisher of The Lynchburg Ledger, a weekly newspaper, was published in Lynchburg, in the Commonwealth of Virginia, so certify that the annexed notice was published in said newspaper.



Ann M. Page, Editor

Campbell County, Commonwealth  
of Virginia. Sworn and subscribed before me this 31 day of January, 2008  
Witness my hand and official seal:

  
William L. Whitner  
Notary Public # 7121791

My commission expires:

10/31/2011

Ad below as published in The Lynchburg Ledger

Published Date(s): January 25, 2008

Tag Line: Regional Solid Waste Management Plan

Total Cost: \$120.00

## The Lynchburg Ledger

### LEGAL NOTICE

#### NOTICE OF PUBLIC HEARING

#### RE: REGION 2000 SERVICES AUTHORITY REGIONAL SOLID WASTE MANAGEMENT PLAN

Pursuant to the requirements of 9 VAC 20-130-130.A of the Virginia Solid Waste Management Plan Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss the proposed Region 2000 Services Authority Regional Solid Waste Management Plan on February 7, 2008 beginning at 6:00 P.M., at the Lynchburg Public Library meeting room located at 2315 Memorial Avenue in Lynchburg. The plan serves the Cities of Lynchburg and Bedford and the Counties of Campbell and Nelson. The plan addresses collection, disposal and recycling for a twenty year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will be considered for inclusion in the final plan. Written comments on the Region 2000 Services Authority Regional Solid Waste Management Plan will be accepted by the Region 2000 Services Authority until 5:00 P.M., February 14, 2008. All comments in writing shall be addressed to Region 2000 Services Authority, 828 Main Street, 12th Floor, Lynchburg, VA 24504 or mail@region2000.org

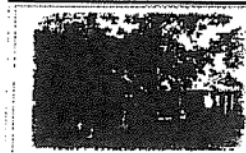
A copy of the Region 2000 Solid Waste Management Plan can be viewed at Region 2000 Services Authority, 828 Main Street, 12th Floor, Lynchburg, VA 24504, [www.region2000.org/lgc](http://www.region2000.org/lgc) and Public Libraries in each of the participating communities. Information is also available from Clarke Gibson, Solid Waste Director, 434-845-3491.

1/25/08

THE JOURNAL, ALTAVISTA, VIRGINIA, WEDNESDAY • JANUARY 23, 2008 • PAGE B-9

For the hearing  
impaired call (804) 367-9753.  
Email: [fairhousing@dpwr.virginia.gov](mailto:fairhousing@dpwr.virginia.gov) Web site: [www.fairhousing.vipnet.org](http://www.fairhousing.vipnet.org)

**Douglas**  
**Associates**  
Altavista, VA 24517  
434-4224 or 369-4224



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Town of Altavista

## Public Notice

## NOTICE OF PUBLIC HEARING

RE: REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE  
MANAGEMENT PLAN

Pursuant to the requirements of 9 VAC 20-130-130.A of the Virginia Solid Waste Management Plan Regulations, the Region 2000 Services Authority will conduct a public hearing to discuss the proposed Region 2000 Services Authority Regional Solid Waste Management Plan on February 7, 2008 beginning at 6:00 p.m., at the Lynchburg Public Library meeting room located at 2315 Memorial Avenue in Lynchburg. The plan serves the Cities of Lynchburg and Bedford and the Counties of Campbell and Nelson. The plan addresses collection, disposal and recycling for a twenty year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will be considered for inclusion in the final plan. Written comments on the Region 2000 Services Authority Regional Solid Waste Management Plan will be accepted by the Region 2000 Services Authority until 5:00 p.m., February 14, 2008. All comments in writing shall be addressed to Region 2000 Services Authority, 828 Main Street, 12th Floor, Lynchburg, VA 24504 or [mail@region2000.org](mailto:mail@region2000.org).

A copy of the Region 2000 Solid Waste Management Plan can be viewed at Region 2000 Services Authority, 828 Main Street, 12th Floor, Lynchburg, VA 24504, [www.region2000.org/lgc](http://www.region2000.org/lgc) and Public Libraries in each of the participating communities. Information is also available from Clarke Gibson, Solid Waste Director, 434-845-3491.

**Appendix H**  
**NOTICE OF PUBLIC HEARINGS HELD BY APPOMATTOX**  
**AND CAMPBELL AND NELSON COUNTIES AND THE**  
**CITIES OF LYNCHBURG AND BEDFORD**

## APPENDIX H

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## APPENDIX H

### City of Bedford

08-02-25 10:30 FROM-BEDFORD BULLETIN

5405860834

T-031 P002/002 F-780

#### The Bedford Bulletin *Serving Bedford County since 1857*


402 East Main Street

P.O. Box 331

Bedford, Virginia 24523

Telephone: (540) 586-8612  
FAX: (540) 586 0834

## CERTIFICATE OF PUBLICATION

  
**PUBLIC HEARING**  
**REGION 2000 SERVICES AUTHORITY**  
**SOLID WASTE MANAGEMENT PLAN**

Pursuant to the requirements of 9 VAC 20-130-130.A of the Virginia Solid Waste Management Plan Regulations, on Tuesday, February 26, 2008, beginning at 7:30 p.m., in the Council Chambers at City Hall, 215 East Main Street, Bedford, Virginia, the City Council will conduct a public hearing to discuss the proposed Region 2000 Services Authority Solid Waste Management Plan. The plan, by regulations must address collection, disposal and recycling for a twenty-year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will then be forwarded to the Region 2000 Services Authority for consideration for inclusion in the final plan.

Written comments on the Region 2000 Services Authority Solid Waste Management Plan will be accepted by 5:00 p.m. on February 22, 2008. All comments in writing shall be addressed to the City Manager, 215 East Main Street, Bedford, VA 24523.

A copy of the Region 2000 Solid Waste Management Plan can be viewed at the City Manager's office.

By the Authority of the  
City Council of the City of Bedford

This is to certify that Legal Notice of Region 2000 / Solid Waste Management Plan did in  
fact appear in the Bedford Bulletin for 2 weeks beginning  
Wednesday Feb. 13, 2008, and ending Wednesday Feb. 20, 2008.



### City of Lynchburg



**PUBLIC HEARING REGARDING  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN**

**Tuesday, March 11, 7:30 p.m.**

Council Chamber, City Hall, 900 Church Street

Pursuant to the requirements of 9 VAC 20-130-110.8 of the Virginia Solid Waste Management Regulations, the City of Lynchburg, Virginia, will hold a public hearing to discuss the proposed Region 2000 Solid Waste Management Plan. The plan by regulations must address collection, disposal, and recycling for a 20 year period, through 2026 for all localities participating in the Region 2000 Services Authority. The Authority includes the cities of Lynchburg and Bedford and the counties of Campbell and Nelson.

The public hearing will be held on **Tuesday, March 11 at 7:30 p.m.** in City Council Chamber, 900 Church St. Comments on the Region 2000 Solid Waste Management Plan will be accepted until 5:00 p.m. on March 25. All comments are to be in writing and addressed to Dave Owen, Director of Public Works, 1700 Memorial Ave., Lynchburg, VA 24501. Copies of the Region 2000 Solid Waste Management Plan can be viewed at the following locations: Region 2000 Services Authority, 828 Main St., 12th Floor; Public Works Administration Office, 1700 Memorial Ave.; Lynchburg Public Library, 2315 Memorial Ave.

The purpose of the public hearing is to acquaint the public with the proposed Region 2000 Solid Waste Management Plan. The meeting will allow the public an opportunity to comment on the plan and to provide suggestions relative to the Region 2000 integrated solid waste management system. Each speaker will be allowed a limited time to offer input. Suggestions and comments will then be evaluated by the City and incorporated into the final plan to be in the best interest of the City and the Region.

### Campbell County

NOTICE TO THE CITIZENS OF CAMPBELL COUNTY

RE: REGION 2000 SERVICES AUTHORITY  
SOLID WASTE MANAGEMENT PLAN

PLEASE TAKE NOTICE that pursuant to the requirements of 9 VAC 20-130-130.B of the Virginia Solid Waste Management Plan Regulations, at a meeting of the Campbell County Board of Supervisors to be held on March 3, 2008 at the hour of 7:00 p.m. at the Board of Supervisors meeting room at the Haberer Building, 47 Courthouse Lane, Rustburg, Virginia, the Campbell County Board of Supervisors will conduct a public hearing to discuss the proposed Region 2000 Services Authority Solid Waste Management Plan, the effect of which will be to establish a regional municipal solid waste landfill. The plan, by regulations, must address collection, disposal and recycling for a twenty year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will then be forwarded to the Region 2000 Services Authority for consideration for inclusion in the final plan.

Written comments on the Region 2000 Services Authority Solid Waste Management Plan will be accepted by Campbell County until 5:00 p.m. on February 25, 2008. All comments in writing shall be addressed to Clifton Tweedy, Director of Public Works for Campbell County, P.O. Box 100, Rustburg, Virginia, 24588.

A copy of the Region 2000 Solid Waste Management Plan is on file in the Office of the County Administrator, 2nd Floor, Walter J. Haberer Building, Old Courthouse Square, Village Highway, Rustburg, Virginia; and can be examined there between the hours of 9:00 a.m. and 5:00 p.m. Monday through Friday, and can be seen on the internet at [www.region2000.org](http://www.region2000.org).

## APPENDIX H

### Nelson County



#### CERTIFICATE OF PUBLICATION

The Nelson County Times

A newspaper published weekly in Nelson

County, Virginia, do hereby certify that the

attached publication was published 2

consecutive weeks in the above named paper.

Beginning in the issue of 31<sup>st</sup> day of

January, 2008.

Cost of Publication

\$ 104.34

\*Price may include a \$10 C.O.P. Fee

State of Virginia,  
County of Amherst:

Subscribed and sworn to before me in my said  
county this 7 day of Feb, 2008.

Catherine Ann Marsh  
Notary Public

Registration Number 7054030

My commission expires on:

Aug. 31, 2010

# APPENDIX H

## Appomattox County

APPOMATTOX TIMES-VIRGINIAN Wednesday, January 14, 2009 B5

# CLASSIFIEDS

Only \$8.95 for 20 words or less (45 cents for each additional word)

### LEGALS

### LEGALS

### LEGALS

### LEGALS

### LEGALS

### LEGALS

### PUBLIC NOTICES

### PUBLIC NOTICES

### OPPORTUNITY

In execution of a deed trust, dated June 7, 2006, and recorded in the Clerk's Office of the Circuit Court of Appomattox County, Virginia, as Instrument No. 200601383, securing a loan in the original amount of \$33,800.00, and at the request of the beneficiary under the said deed of trust, the undersigned Sole Acting Trustee, has declared all the debts and obligations secured by the deed of trust due and payable and will offer for sale at public auction to the highest bidder on the premises on Thursday, January 29, 2009, at 12:00 noon. All that certain tract or parcel of real estate, together with all improvements thereon and the privileges and appurtenances thereunto belonging, lying and being in Southside Magisterial District of Appomattox County, Virginia, being shown and described as Lot No. 9, containing 5.001 Acres, Chestnut Hills, on plat of survey entitled "CHESTNUT HILLS" made by Donald R. Miller, Jr., C.L.S., dated June 16, 1988, of record in the Clerk's Office of the Circuit Court of Appomattox County, Virginia, in that Book 7, at Page 30. Reference is hereby made to said plat for a more accurate and complete description of the real estate herein conveyed.

TOGETHER WITH A 1998 CLAYTON MOBILE HOME (DWCW0032707N, OF WHICH SAID DEED OF TRUST ALSO CONSTITUTES A LIEN ON.

This sale is subject to all Deeds of Trusts, restrictions, easements, agreements, and all condition or matters of record applicable to the property, and the real estate taxes from the date of the sale.

**TERMS OF SALE: CASH**  
A bidder's deposit of ten percent (10%) of the bid price IN CASH, CASHIER'S OR CERTIFIED CHECK will be required at the time and place of the sale, balance of sale price to be paid in within 30 days. The Trustee reserves the right to reject all bids and withdraw the property from the sale. Additional terms of sale may be announced at the sale. Pursuant to the Federal Fair Debt Collection Act, we advise you that this communication is from a debt collector attempting to collect the indebtedness referred to herein and any information we obtain will be used for that purpose. H. Evans Thomas, Trustee  
FOR INFORMATION CONTACT  
H. Evans Thomas, V. Trustee  
P.O. Box 673/147 Highland Ave.  
Appomattox, Virginia 24522  
(434) 352-8070.

1/14/1/21

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out of area. Call

352-8215.

IN EXECUTION OF A DEED TRUST, DATED NOVEMBER 12, 2007, AND RECORDED IN THE CLERK'S OFFICE OF THE CIRCUIT COURT OF APPOMATTOX COUNTY, VIRGINIA, AS INSTRUMENT NO. 200800035, SECURING A LOAN IN THE ORIGINAL AMOUNT OF \$120,000.00, AND AT THE REQUEST OF THE BENEFICIARY UNDER THE SAID DEED OF TRUST, THE UNDERSIGNED SOLE ACTING SUBSTITUTION TRUSTEE, HAS DECLARED ALL THE DEBTS AND OBLIGATIONS SECURED BY THE DEED OF TRUST DUE AND PAYABLE AND WILL OFFER FOR SALE AT PUBLIC AUCTION TO THE HIGHEST BIDDER ON THE PREMISES ON TUESDAY, JANUARY 27, 2009, AT 11:00 A.M.

1/14

### TRUSTEE'S SALE OF 262 Rose Lane Appomattox, VA 24522

In execution of a deed trust dated November 12, 2007, and recorded in the Clerk's Office of the Circuit Court of Appomattox County, Virginia, as Instrument No. 200800035, securing a loan in the original amount of \$120,000.00, and at the request of the beneficiary under the said deed of trust, the undersigned Sole Acting Substitution Trustee, has declared all the debts and obligations secured by the deed of trust due and payable and will offer for sale at public auction to the highest bidder on the premises on Tuesday, January 27, 2009, at 11:00 a.m.

All that certain lot or parcel of land together with the buildings and improvements thereon, and the privileges and appurtenances thereunto belonging, situate, lying and being in the Town of Appomattox, Appomattox County, Virginia, fronting on State Route No. 662 (Rose Lane), containing 1.084 acres, shown as Lot 1 on a plat of survey made by William W. Dickerson, Jr., L.S., dated July 8, 2004, recorded in the Clerk's Office of the Circuit Court of Appomattox County, Virginia in Plat Cabinet 1, Slide 96A. Reference is hereby made to said plat for a more accurate and complete description of the property herein. This sale is subject to all Deeds of Trusts, restrictions, easements, agreements and all condition or matters of record applicable to the property, and the real estate taxes from the date of the sale.

**TERMS OF SALE: CASH**  
A bidder's deposit of ten percent (10%) of the bid price IN CASH, CASHIER'S OR CERTIFIED CHECK will be required at the time and place of the sale, balance of sale price to be paid in within 30 days. The Trustee reserves the right to reject all bids and withdraw the property from the sale. Additional terms of sale may be announced at the sale. Pursuant to the Federal Fair Debt Collection Act, we advise you that this communication is from a debt collector attempting to collect the indebtedness referred to herein and any information we obtain will be used for that purpose. Patricia M. Moore, Substitution Trustee  
FOR INFORMATION CONTACT:  
Patricia M. Moore, Substitution Trustee  
6971 Richmond Hwy.  
Appomattox, Virginia 24522  
(434) 352-4045.

1/14/1/21

IN EXECUTION OF A DEED TRUST, DATED NOVEMBER 12, 2007, AND RECORDED IN THE CLERK'S OFFICE OF THE CIRCUIT COURT OF APPOMATTOX COUNTY, VIRGINIA, AS INSTRUMENT NO. 200800035, SECURING A LOAN IN THE ORIGINAL AMOUNT OF \$120,000.00, AND AT THE REQUEST OF THE BENEFICIARY UNDER THE SAID DEED OF TRUST, THE UNDERSIGNED SOLE ACTING SUBSTITUTION TRUSTEE, HAS DECLARED ALL THE DEBTS AND OBLIGATIONS SECURED BY THE DEED OF TRUST DUE AND PAYABLE AND WILL OFFER FOR SALE AT PUBLIC AUCTION TO THE HIGHEST BIDDER ON THE PREMISES ON TUESDAY, JANUARY 27, 2009, AT 11:00 A.M.

All that certain lot or parcel of land together with the buildings and improvements thereon, and the privileges and appurtenances thereunto belonging, situate, lying and being in the Town of Appomattox, Appomattox County, Virginia, fronting on State Route No. 662 (Rose Lane), containing 1.084 acres, shown as Lot 1 on a plat of survey made by William W. Dickerson, Jr., L.S., dated July 8, 2004, recorded in the Clerk's Office of the Circuit Court of Appomattox County, Virginia in Plat Cabinet 1, Slide 96A. Reference is hereby made to said plat for a more accurate and complete description of the property herein. This sale is subject to all Deeds of Trusts, restrictions, easements, agreements and all condition or matters of record applicable to the property, and the real estate taxes from the date of the sale.

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A bidder's deposit of ten percent (10%) of the bid price IN CASH, CASHIER'S OR CERTIFIED CHECK will be required at the time and place of the sale, balance of sale price to be paid in within 30 days. The Trustee reserves the right to reject all bids and withdraw the property from the sale. Additional terms of sale may be announced at the sale. Pursuant to the Federal Fair Debt Collection Act, we advise you that this communication is from a debt collector attempting to collect the indebtedness referred to herein and any information we obtain will be used for that purpose. Patricia M. Moore, Substitution Trustee  
FOR INFORMATION CONTACT:  
Patricia M. Moore, Substitution Trustee  
6971 Richmond Hwy.  
Appomattox, Virginia 24522  
(434) 352-4045.

1/14/1/21

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1/14

### NOTICE TO THE CITIZENS OF APPOMATTOX COUNTY RE: REGIONAL 2000 SERVICES AUTHORITY SOLID WASTE MANAGEMENT PLAN

Please take notice that pursuant to the requirements of 9VAC-20-130-130.B of the Virginia Solid Waste Management Plan Regulations, at a meeting of the Appomattox County Board of Supervisors to be held on February 17, 2009 at the hour of 6:00 p.m. at the Appomattox Community Center located at 220 Community Lane, Appomattox, Virginia the Appomattox County Board of Supervisors will conduct a public hearing to discuss the proposed Region 2000 Services Authority Solid Waste Management Plan, the effect of which will be to establish a regional municipal solid waste landfill. The plan, by regulations, must address collection, disposal and recycling for twenty year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will then be forwarded to the Region 2000 Services Authority for consideration for inclusion in the final plan.

A copy of the Region 2000 Solid Waste Management Plan is on file in the office of the County Administrator, 153A Morton Lane, Appomattox, Virginia and can be examined there between the hours of 8:30 a.m. and 4:30 p.m. Monday through Friday, and can be seen on the internet at "http://www.region2000.org" [www.region2000.org](http://www.region2000.org).

### 2009 Dog Tags

Dog tags for the year 2009 are on sale at the Appomattox County Treasurer's Office. The deadline to purchase dog tags is January 31, 2009. A valid rabies vaccination certificate is required in order to purchase dog tags. The cost of the tag is as follows:

- \$6.00 - dog tag
- \$4.00 - spayed/neutered dog tag
- \$25.00 - 20 dog kennel tags
- \$35.00 - 30 dog kennel tags
- \$45.00 - 40 dog kennel tags
- \$50.00 - 50 dog kennel tags

These tags may be purchased at the Treasurer's Office, Monday through Friday from 8:30 a.m. to 4:30 p.m.

IMPORTANT NOTICE...EFFECTIVE IMMEDIATELY, THE DEADLINE FOR ALL CLASSIFIED ADVERTISING, WHETHER LINE OR DISPLAY, WILL BE MONDAYS AT 5:00 P.M. THANK YOU IN ADVANCE FOR YOUR COOPERATION

## APPENDIX H

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**Appendix I**  
**MINUTES AND ADDITIONAL DOCUMENTATION FROM**  
**PUBLIC HEARINGS HELD BY APPOMATTOX, CAMPBELL**  
**AND NELSON COUNTIES AND CITIES OF LYNCHBURG**  
**AND BEDFORD**

## APPENDIX I

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# APPENDIX I

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## Campbell County

### BOARD OF SUPERVISORS MEETING

March 3, 2008

The regular meeting of the Campbell County Board of Supervisors was held on the 3<sup>rd</sup> day of March 2008 in the Board of Supervisors meeting room of the Walter J. Haberer Building, Rustburg, Virginia. The members present were:

Hugh T. Pendleton, Jr., Chairman, Presiding	Rustburg Election District
Charles W. Falwell	Timberlake Election District
Stanley I. Goldsmith	Altavista Election District
Eddie Gunter, Jr.	Concord Election District
J. D. Puckett	Brookneal Election District
Hugh W. Rosser	Seneca Election District

Absent from the meeting was:

Steven M. Shockley	Sunburst Election District
--------------------	----------------------------

Also present were:

R. David Laurrell, County Administrator  
Clifton M. Tweedy, Deputy County Administrator  
David W. Shreve, County Attorney  
Kristin Wright, Staff Attorney

The meeting was called to order at 7:00 p.m., and Chairman Pendleton gave the invocation.

#### // APPROVAL OF MINUTES

Supervisor Goldsmith noted two corrections to the February 19, 2008 minutes under VDOT Matters changing "Leesville Road" to "Lawyers Road" and under Board of Supervisors Planning Retreat changing "good relationship with surrounding *counties*" to "good relationship with surrounding *jurisdictions*."

On motion of Supervisor Rosser, it was resolved the Board of Supervisors dispenses with the reading and approves the minutes of the February 4, 2008 regular meeting and the February 19, 2008 regular meeting as corrected.

The vote was: Aye: Falwell, Goldsmith, Gunter, Pendleton, Puckett, Rosser  
Nay: None  
Absent: Shockley

#### // PUBLIC HEARING – REQUEST BY WADE KEATTS WITH W K HEAVY HAUL

The first public hearing was opened at 7:03 p.m. on:

#08-00923 Request by Wade Keatts with W K Heavy Haul, Inc., owner, to rezone 2.14 acres from I-G, Industrial-General to I-H, Industrial-Heavy with a concurrent special use permit to construct and operate a trucking yard. The property is located on southbound side of Wards Road (Route 29), approximately 3/10 of a mile south of Jersey Level Lane, Rustburg, Virginia.

Paul Harvey, Director of Community Development, explained this was a request to rezone the property to construct and operate a trucking yard. The property has an existing entrance, was mostly cleared and relatively level. A commercial entrance would require VDOT approval. The property would be served by Wards Road, public water and a private septic system. In the Comprehensive Plan the property was located in an area designated for medium to high-density commercial development. The Planning Commission recommended approval by a vote of 6-0 citing good zoning practice.

## APPENDIX I

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Wade Keatts, 4013 Browns Mill Road, Rustburg, Virginia, owns W. K. Heavy Haul and filed this request in order to park trucks. He has talked with VDOT, and the commercial entrance would not be a problem whenever he was ready.

No one spoke in favor of or in opposition to the proposed rezoning. The public hearing was closed at 7:05 p.m.

On motion of Supervisor Rosser, it was resolved the Board of Supervisors accepts the recommendation of the Campbell County Planning Commission and citing good zoning practice **APPROVES** Request #08-00923 by Wade Keatts with W K Heavy Haul, Inc., owner, to rezone 2.14 acres from I-G, Industrial-General to I-H, Industrial-Heavy with a concurrent special use permit to construct and operate a trucking yard on property located on the southbound side of Wards Road (Route 29), approximately 3/10 of a mile south of Jersey Level Lane, Rustburg, Virginia.

The vote was: Aye: Falwell, Goldsmith, Gunter, Pendleton, Puckett, Rosser  
Nay: None  
Absent: Shockley

### // PUBLIC HEARING – REGIONAL SOLID WASTE PLAN

The last public hearing was opened at 7:07 p.m. to receive public comment on a draft Solid Waste Management Plan.

Clifton M. Tweedy, Deputy County Administrator, As part of the process to form a regional authority to manage solid waste, the Department of Environmental Quality requires a Regional Solid Waste Management Plan describing how solid waste would be managed over the next 20 years. The plan addresses the solid waste plans of the current four members (City of Lynchburg, Campbell County, Nelson County and the City of Bedford) of the Region 2000 Services Authority and would be the basis for future solid waste management decisions promoting greater cooperation, decreased cost of service and better protection of human health and the environment. The plan also includes a significant amount of information that would be used to develop future strategies once the current landfills were full.

Supervisor Goldsmith asked if the plan should contain cost information as well. Mr. Tweedy indicated this plan was more of a planning document. He noted the County would still provide transfer sites for the citizens. Chairman Pendleton confirmed that one of the goals of the Board was to provide as equal if not better service for the citizens.

**Clark Gibson**, Region 2000 Local Government Council Solid Waste Director, lives at 1543 Newton Circle, Bedford, Virginia. Mr. Gibson indicated the Region 2000 Services Authority was on track to begin operations on July 1<sup>st</sup>. At its last Board meeting its FY 2009 Budget was presented and the financing plan was discussed. They have begun interviewing and hiring its employees. Nelson County, the City of Bedford and the Region 2000 Local Government Council have all conducted its public hearings and passed the resolutions.

No one spoke in favor of or in opposition to the Regional Solid Waste Management Plan. The public hearing was closed at 7:11 p.m.

Administrator Laurrell advised that Appomattox County has officially requested approval to join the Region 2000 Services Authority. The action to allow Appomattox County to join would be forthcoming in the next two or three months. It could not be done until after the incorporation of the Authority was completed. In answer to Supervisor Goldsmith's question regarding costs, Administrator Laurrell advised the Board prior to his election to the Board had reviewed the financial information related to joining the Authority. The report by R. W. Beck was available that outlined the costs and the benefits.

Administrator Laurrell added this was probably one of the best examples of inter-jurisdictional cooperation that Campbell County has had an opportunity to participate. It is estimated that Campbell County would gain approximately \$1 million per year in saved expenses. This year's budget would reflect a net gain of approximately \$650,000 after adding an

## APPENDIX I

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in-house construction crew, landfill attendants and a few other things. There would be some fuel expenses for the next couple of years for transporting waste to Lynchburg, but when the Campbell County Landfill was reopened, Campbell County's transportation costs would decline and the net gain would increase.

Supervisor Rosser commented that he was initially hesitant at joining a regional authority, but he was a firm believer that localities could save costs if they joined together. He was sorry that more localities did not join the authority, but believed it would still be a benefit to all the members.

On motion of Supervisor Gunter, it was resolved the Board of Supervisors adopts the following resolution:

**RESOLUTION  
FOR ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY  
CAMPBELL COUNTY, VIRGINIA**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental Quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit a solid waste management plan by July 1, 2004, and

**WHEREAS**, Campbell County, Virginia ("Campbell County"), has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the Regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, Campbell County has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on March 3, 2008 and

**WHEREAS**, Campbell County recognizes its responsibility to notify Region 2000 should anything change from that reported in the Solid Waste Management Plan recognizing that major changes will require an amendment to the plan as required by the regulations under 9 VAC 20-130-175.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Supervisors of Campbell County, Virginia, has reviewed the plan and addressed the plan at their meeting in regular session on March 3, 2008 and hereby adopts the portion which applies directly to Campbell County, and authorizes its submittal to the Virginia Department of Environmental Quality.

The vote was: Aye: Falwell, Goldsmith, Gunter, Pendleton, Puckett, Rosser  
Nay: None  
Absent: Shockley

Administrator Laurrell commended Mr. Tweedy for the time and effort he has put in to make this project a reality.

### City of Lynchburg

Public Hearing  
Regional Solid Waste Management Plan  
Lynchburg Public Library  
February 7, 2008  
Draft Minutes

Clarke Gibson and Gary Christie represented the Services Authority and distributed copies of the draft Solid Waste Management Plan to all attendees.

Clarke introduced the project and provided an overview of the Management Plan and the upcoming operations for the regional services authority related to solid waste disposal and recycling.

Based on a question from Miles Jackson, Clarke explained how the Authority would fund and finance the regional solid waste project and that the Authority would be contracting with the Local Government Council to provide operational and management services.

Based on a question from Miles Jackson, Clarke explained about the life cycle costs that would be the responsibility of the Authority and that there would be a "true-up" of air space and assets as the Authority takes over the landfills in Campbell and Lynchburg.

Based on a question from Ed Foster, Clarke explained that Nelson and Bedford would not sell assets to the Authority, but would pay a per ton Member Fee charge. Clarke noted that Appomattox would also pay the per ton member fee when they joined this spring. Clarke noted that Appomattox would have to pay an up front entrance fee which was based on a formula related to a proportional cost of project development, engineering costs to update plans, and an earnest fee to recognize the work that has been done to date.

Based on a question from Miles, Clarke explained the economic advantages of the regional solid waste approach, including lower operational costs and better procurement opportunities for future waste disposal.

Based on a question from Ed Foster, Clarke explained that a second scale house attendant would be on duty to help move customers through the scale house as quickly as possible. Although there will be additional customers coming to Lynchburg as a result of the closure of the Campbell landfill, the second scale house attendant is designed to prevent long lines.

Based on a question from Miles Jackson, Clarke explained that Campbell businesses would have to absorb the additional travel costs to get to Lynchburg.

Based on a question from Ed Foster, Clarke provided three alternatives for solid waste disposal after the Lynchburg and Campbell landfills were full. These include 1) continue land filling, 2) build a transfer station to take trash to an existing landfill, and 3) develop a waste to energy plant. Whatever alternative is selected, the volume of regional solid

## APPENDIX I

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waste disposal will give the member jurisdictions and the Authority a better per ton disposal rate.

Based on a question from Ed Foster, Clarke explained that he was not familiar with the Appomattox Transfer Station proposals.

Ken Smith said that he has been involved with litter control for the City of Lynchburg and encouraged the Authority to pursue recycling and source reduction to increase recycling rates. He encouraged the Authority to provide curbside recycling collection service. Clarke commented that the Authority has authorized the hiring of a recycling program manager and that staff will examine the feasibility of recycling systems.

Ken Smith also commented that the Authority should incorporate green restaurant practices into the Solid Waste Management Plan to encourage composting of food scraps. He encouraged the Plan to incorporate any measures that would lessen the carbon footprint of our region.

Miles Jackson suggested that recycling and reduction of waste be listed as a goal of the Authority's mission statement.

Ken Smith applauded the regional cooperation concept and encouraged community leaders not to squander this opportunity to increase litter enforcement and control.

Upon a question from Miles Jackson, Gary Christie said he would research any pre-existing agreements that would explain what happens to the landfill property once it is closed and get the information back to Miles.

Miles commented that page 1-8, table 1-2, item 8 should read "meet or exceed recycling mandates.

Gary Christie noted that each member jurisdiction would also have public hearings on the solid waste management plan over the next several weeks. Clarke Gibson noted that that written comments would be continue to be received until Valentines Day.

## APPENDIX I

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### Appomattox County

#### NOTICE TO THE CITIZENS OF APPOMATTOX COUNTY

RE: REGIONAL 2000 SERVICES AUTHORITY  
SOLID WASTE MANAGEMENT PLAN

RECEIVED

MAR 24 2009

REGION 2000  
SERVICES AUTHORITY

Please take notice that pursuant to the requirements of 9VAC-20-130-130.B of the Virginia Solid Waste Management Plan Regulations, at a meeting of the Appomattox County Board of Supervisors to be held on February 17, 2009 at the hour of 6:00 p.m. at the Appomattox Community Center located at 220 Community Lane, Appomattox, Virginia the Appomattox County Board of Supervisors will conduct a public hearing to discuss the proposed Region 2000 Services Authority Solid Waste Management Plan, the effect of which will be to establish a regional municipal solid waste landfill. The plan, by regulations, must address collection, disposal and recycling for twenty year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will then be forwarded to the Region 2000 Services Authority for consideration for inclusion in the final plan.

A copy of the Region 2000 Solid Waste Management Plan is on file in the office of the County Administrator, 153A Morton Lane, Appomattox, Virginia and can be examined there between the hours of 8:30 a.m. and 4:30 p.m. Monday through Friday, and can be seen on the internet at [www.region2000.org](http://www.region2000.org).

## APPENDIX I

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On Tuesday, February 17, 2009 at 6:15 p.m. the Appomattox County Board of Supervisors held a public hearing at the Appomattox Community Center, located at 220 Park Lane, Appomattox, Virginia.

Present:

**Board of Supervisors**

William H. Craft – Appomattox River District  
Samuel E. Carter – Courthouse District  
Thomas H. Conrad – Falling River District  
Russell H. Moore – Piney Mountain District  
Gary W. Tanner – Wreck Island District

Also Present:

Aileen T. Ferguson- County Administrator  
John K. Spencer – Assistant County Administrator  
J.G. Overstreet – County Attorney  
Vicky Phelps – Administrative Assistant  
Johnnie Roark - Planner

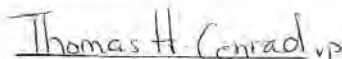
Chairman Conrad called the public hearing to order at 6:15 p.m. and explained that the purpose of this public hearing would be to receive public comment on the Regional Solid Waste Management Plan.

Chairman Conrad asked Mr. Clark Gibson to appear before the Board.

Mr. Gibson thanked the Board for allowing him to appear before them and began by stating that on July 1, 2008 Campbell County, City of Bedford, Nelson County, City of Lynchburg and Appomattox County partnered together to form the Region 2000 Services Authority. Mr. Gibson stated that this was done to increase the efficiencies and to lower cost to our members for solid waste disposal. Mr. Gibson stated that another important reason is to better protect human health and the environment. Mr. Gibson stated that the County also will benefit from being able to participate in the Regional Solid Waste Plan which is required by DEQ.

Mr. Gibson thanked the Board for their support and being a member of the authority. Mr. Gibson stated that operations started on July 1<sup>st</sup> and they have had a very successful beginning.

Chairman Conrad called for public comment, hearing none; he closed the public hearing at 6:20 p.m.

  
Thomas H. Conrad, Chairman



## APPENDIX I

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### Nelson County

February 12, 2008

#### I. Call to Order

Mr. Hale, acting Chairman called the meeting to order at 7:30 p.m. with four (4) members present to establish a quorum and Chairman Harvey being absent.

#### II. Public Hearings

##### A. Amendment to Special Use Permit #96-6 – Verizon Wireless

Mr. Fred Boger, Planning Director overviewed the application from Verizon Wireless to amend a January 10, 1996 Special Use Permit to co-locate six (6) six-foot antennas and associated cables and equipment on the North Nelson Tower. He noted that the Planning Commission recommended approval of the application.

In response to questions, it was noted that the towers are usually looked at for EMS services usage.

Ms. Lori Schweller, Verizon attorney described in detail the types of antennas to be used and noted the map showing the new coverage with the additional antennas.

There being no further questions from the Board, Vice Chairman Hale opened the public hearing. There being no persons wishing to be recognized, the public hearing was closed.

Mr. Johnson made a motion to approve the Special Use Permit #96-6 Amendment for Verizon Wireless and Ms. Brennan seconded the motion. There being no further discussion, Supervisors voted unanimously (4-0) by roll call vote to approve the motion and the Special Use Permit.

##### B. Six Year Plan & Priorities for Secondary Road System

Mr. Kevin Wright of VDOT distributed the updated Secondary Six Year Plan document and noted that unallocated funds for 2014 will be programmed after the Board has its workshop. He noted declining revenues from 2009-2014 and that final allocations have not been given by the State. He noted that the purpose of the public hearing was to receive input from the public, noting that no new projects had been added or anticipated.

Mr. Wright briefly went through the Regular Construction projects and the Unpaved Construction Projects included in the plan, noting that these would be looked at in further detail at the Board's workshop. Supervisors noted the desire to look at Old Roberts Mountain Rd and Tanbark Rd in Massies Mill.

There being no further questions from the Board, Vice Chairman Hale opened the public hearing. There being no persons wishing to be recognized, the public hearing was closed.

February 12, 2008

Mr. Wright noted that he would work with County staff to schedule the necessary workshop on the plan. In conclusion he also noted that there were some revisions to VDOT's subdivision road standards forthcoming that should be discussed at the workshop as well.

**C. Region 2000 Solid Waste Management Plan (R2008-10)**

Mr. Carter overviewed the County's shift from inclusion in the Thomas Jefferson Planning District's Solid Waste Management Plan to that of the Region 2000 Solid Waste Authority. He noted this to be a regulatory requirement of the Code of Virginia and referred to the Executive Summary of the Plan previously distributed to the Board. He noted the plan to be the final draft with some possible minor changes possible. Mr. Carter also reiterated that regionalization of the Solid Waste functions was the best way to go forward and that in the next 2-5 years the Authority would be actively looking for another landfill or alternate transfer station to address the time when current landfill capacity is reached.

There being no further questions from the Board, Vice Chairman Hale opened the public hearing. There being no persons wishing to be recognized, the public hearing was closed.

Mr. Carter noted that the Board may want to edit the original text on the second page to include adoption of the plan including the portion which applies directly to Nelson County.

Ms. Brennan made a motion to approve resolution **R2008-10** Acceptance of the Region 2000 Services Authority Regional Solid Waste Management Plan by Nelson County, as amended, and Mr. Johnson seconded the motion. There being no further discussion, Supervisors voted unanimously (4-0) by roll call vote to approve the motion and the following resolution was adopted:

**RESOLUTION- R2008-010  
ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY  
NELSON COUNTY BOARD OF SUPERVISORS**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit a solid waste management plan by July 1, 2004, and

## APPENDIX I

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February 12, 2008

**WHEREAS**, Nelson County, Virginia has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, Nelson County, Virginia has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on February 12, 2008 and

**WHEREAS**, Nelson County Virginia recognizes its responsibility to notify Region 2000 should anything change from that reported in the Solid Waste Management Plan recognizing that major changes will require an amendment to the plan as required by the regulations under 9 VAC 20-130-175.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Supervisors of Nelson County, Virginia, has reviewed the plan and addressed the plan at their meeting in regular session on February 12, 2008 and hereby adopts the Region 2000 Services Authority Solid Waste Management Plan including the portion which applies directly to Nelson County, and authorizes its submittal to the Virginia Department of Environmental Quality.

### **III. Public Comments**

#### **1. Richard Plourde, Faber**

Mr. Plourde expressed his and his neighbors' concern regarding the potential increase in Real Estate taxes and what amenities it would be providing.

Vice Chairman Hale noted that the recently completed assessments reflect a five (5) year period. He stated that the Board will be charged with setting a tax rate that will not likely increase tax bills by as much as the increase in values but he could not say now how much the reduction in tax rate would be. He re-stated that the public hearing on the tax rate would be on April 8<sup>th</sup> at 7:30 pm and a proposed tax rate would be advertised on March 6<sup>th</sup>. He also noted the Courthouse project, the construction of the solid waste convenience centers and school funding to be funding considerations and further detail on the County's expenditures would be provided to the public as work progressed on the FY08-09 budget.

### **IV. Adjourn and Continue until February 21, 2008 (Budget Work Session)**

## APPENDIX I

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February 12, 2008

At 8:15 PM, Ms. Brennan moved to adjourn and continue until February 21, 2008 at 5:00 PM for a Budget work session and Mr. Johnson seconded the motion. Supervisors voted unanimously by voice vote to approve the motion and the meeting was adjourned.

## APPENDIX I

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### City of Bedford

February 26, 2008

Manager stated the purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will then be forwarded to the Region 2000 Services Authority for consideration for inclusion in the final plan.

The Notice of Public Hearing follows:

#### **PUBLIC HEARING**

##### **REGION 2000 SERVICES AUTHORITY SOLID WASTE MANAGEMENT PLAN**

Pursuant to the requirements of 9 VAC 20-130-130.A of the Virginia Solid Waste Management Plan Regulations, on Tuesday, February 26, 2008, beginning at 7:30 p.m., in the Council Chambers at City Hall, 215 East Main Street, Bedford, Virginia, the City Council will conduct a public hearing to discuss the proposed Region 2000 Services Authority Solid Waste Management Plan. The plan, by regulations must address collection, disposal and recycling for a twenty-year period.

The purpose of this public hearing is to allow the public an opportunity to comment on the plan. Comments will then be forwarded to the Region 2000 Services Authority for consideration for inclusion in the final plan.

Written comments on the Region 2000 Services Authority Solid Waste Management Plan will be accepted by 5:00 p.m. on February 22, 2008. All comments in writing shall be addressed to the City Manager, 215 East Main Street, Bedford, VA 24523.

A copy of the Region 2000 Solid Waste Management Plan can be viewed at the City Manager's office.

By the Authority of the  
City Council of the City of Bedford

Mayor Tharp opened the public hearing at 7:32 p.m.

Mr. Clarke Gibson, Solid Waste Director for the Region 2000 Services Authority stated operations are scheduled to begin on July 1. Mr. Gibson reported that the Authority intends to purchase the Lynchburg City Landfill and the Campbell County Landfill. The Campbell County Landfill will be temporarily closed and the Lynchburg Landfill will be operated as a regional facility for approximately five years until it reaches capacity. Then the operation will be moved to the Campbell County Landfill and operated as a regional facility for about eight or nine years. Mr. Gibson stated that the plan addresses long-term solid waste disposal options, including: improving recycling, waste reduction, determining the feasibility of a waste energy plant, transfer station and continued landfill operations. Mr. Gibson stated that approval of this plan is another step in the process of forming a regional solid waste-planning unit.

## APPENDIX I

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February 26, 2008

As there were no further comments, Mayor Tharp closed the public hearing at 7:34 p.m.

Donna Proctor, Executive Director of the Bedford Community Health Foundation, spoke as a representative of BEDCO CARES. Ms. Proctor stated that BEDCO CARES is a broad-based community coalition dedicated to decreasing the high numbers of traffic accidents and related deaths among teenagers in Bedford County. BEDCO CARES has partnered with the Virginia Tech Transportation Institute (VTTI) to develop a series of interventions aimed at helping Bedford's new licensees to become more competent and safer drivers. Ms. Proctor reported that VTTI is currently in the process of applying to the Centers for Disease Control for a significant multi-year grant that would greatly increase the chances of implementing a driver improvement program that has a chance of succeeding and to potentially to be used as a model for other counties that have a problem similar to Bedford's. Ms. Proctor, on behalf of BEDCO CARES, asked members of City Council to sign a letter of support for the grant from the Centers for Disease Control to the Virginia Tech Transportation Institute for a research project on teen driver improvement in Bedford County.

Mayor Tharp stated that the Centers for Disease Control and the National Institute of Health have identified teen driving accidents, deaths, and injuries as a "health related issue" not just an "accident related issue."

On motion by Councilman Stanley, seconded by Councilman Vest, voted upon and carried unanimously by a roll call vote, Council approved the support of the project on teen driver improvement. Roll call vote follows:

Councilwoman Flood	aye
Councilman Hubbard	aye
Councilman Padgett	aye
Councilman Stanley	aye
Councilman Vest	aye
Vice Mayor Wandrei	aye
Mayor Tharp	aye

City Manager Kolakowski stated that the City has determined it is advantageous to join with several other agencies (City of Lynchburg, Campbell County and Nelson County) to form the Region 2000 Services Authority to provide certain solid waste disposal services. As part of that process, it is required to adopt a solid waste management plan as required by the State of Virginia.

On motion by Councilman Padgett, seconded by Councilman Stanley, voted upon and carried unanimously by a roll call vote, Council approved the resolution accepting the Region 2000 Services Authority Regional Solid Waste Management Plan. Roll call vote follows:

Councilman Hubbard	aye
Councilman Padgett	aye
Councilman Stanley	aye

February 26, 2008

Councilman Vest	aye
Vice Mayor Wandrei	aye
Councilwoman Flood	aye
Mayor Tharp	aye

The resolution follows as adopted:

**RESOLUTION  
FOR ACCEPTANCE OF THE  
REGION 2000 SERVICES AUTHORITY  
REGIONAL SOLID WASTE MANAGEMENT PLAN  
BY BEDFORD, VIRGINIA**

**WHEREAS**, Section 10.1-1411 of the Code of Virginia authorizes the Virginia Waste Management Board to promulgate regulations specifying requirements for local and regional solid waste management planning, and

**WHEREAS**, the Virginia Waste Management Board has promulgated such regulations entitled, "Regulations for the Development of Solid Waste Management Plans, Amendment I as 9 VAC 20-130-10 *et seq.*, effective date August 1, 2001, through the Virginia Department of Environmental quality, and

**WHEREAS**, these regulations require every county, city and incorporated town within the Commonwealth to submit a solid waste management plan by July 1, 2004, and

**WHEREAS**, the City Council of the City of Bedford, Virginia ("City"), has determined that it is in its best interest to be a part of the Region 2000 Planning Region for preparation of the regional Solid Waste Management Plan, and

**WHEREAS**, the Region 2000 Planning Region consists of the Counties of Campbell and Nelson and their respective incorporated Towns, and the Cities of Bedford and Lynchburg, and

**WHEREAS**, the Region 2000 Planning Region has enlisted the services of Draper Aden Associates and R.W. Beck, Inc. to complete such a plan, and

**WHEREAS**, the City Council of the City of Bedford, Virginia, has provided time for the public to review and comment on said plan and held a public hearing relative to the plan on February 26, 2008, and

**WHEREAS**, the City Council of the City of Bedford, Virginia,



## APPENDIX I

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February 26, 2008

recognizes its responsibility to notify Region 2000 should anything change from that reported in the Solid Waste Management Plan recognizing that major changes will require an amendment to the plan as required by the regulations under 9 VAC 20-130-175.

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Bedford, Virginia, has reviewed the plan and addressed the plan at their meeting in regular session on February 26, 2008, and hereby adopts the portion which applies directly to the City of Bedford, and authorizes its submittal to the Virginia Department of Environmental Quality.

The City Manager stated that the Virginia Department of Highways and Transportation (VDOT), under the Code of Virginia, Section 33.1-41.1, makes street payments annually per lane mile for use in maintenance, construction, and reconstruction of the streets located in the City of Bedford. In order for the streets to be eligible for VDOT maintenance payments they first need to be accepted into the City's Street System by City Council, then approved and accepted by VDOT for maintenance payments.

Councilwoman Flood moved that Council adopt the resolution approving and accepting the list of streets to be added to the City's Street System. Councilman Padgett seconded the motion.

Mayor Tharp asked why these streets were not included in the street system previously.

The City Manager stated a staff member noticed that a number of the streets had not been formally accepted into the City's Street System, as far back at 25 years ago.

The motion then voted upon and carried unanimously by a roll call vote as follows:

Councilman Padgett	aye
Councilman Stanley	aye
Councilman Vest	aye
Vice Mayor Wandrei	aye
Councilwoman Flood	aye
Councilman Hubbard	aye
Mayor Tharp	aye

The resolution follows as adopted:

**Appendix J**  
**Known Solid Waste Disposal Sites, Closed and Active**

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## APPENDIX J

### Attachment 1

Site County	Facilities Name	Permit No.	Solid Permit Status	Solid Waste Unit Name	Solid Waste Unit Status	Solid Waste Unit Type
Campbell County	Recovery Technologies Group of Virginia Inc	PBR 502	Permitted	Recovery Technologies Group of Virginia Inc	Inactive	Transfer Station [SW]
	Campbell County Landfill	SWP 009	Revoked	Campbell County SLF	Closed	Closed Sanitary Landfill [SW]
	Altavista Landfill	SWP 043	Revoked	City of Altavista SLF	Closed	Closed Sanitary Landfill [SW]
	Campbell County Landfill	SWP 081	Revoked	Campbell County SLF	Closed	Closed Sanitary Landfill [SW]
	Internet Corp - Archer Creek Foundry	SWP 106	Revoked	Lynchburg Foundry	Not Constructed	Industrial Landfill [SW]
	Campbell County Landfill	SWP 168	Revoked	Campbell County SLF	Closed	Closed Sanitary Landfill [SW]
	BWX Technologies Inc - Naval Products Division	SWP 202	Revoked	Babcock & Wilcox ILF	Closed	Closed Industrial Landfill [SW]
	BWX Technologies Inc - Naval Products Division	SWP 217	Permitted	Babcock & Wilcox ILF	Inactive	Industrial Landfill [SW]
	Campbell County Landfill	SWP 285	Permitted	Phase II	Post-Closure	Closed Sanitary Landfill [SW]
	Campbell County Landfill	SWP 285	Permitted	Phase IV	Not Constructed	Sanitary Landfill [SW]
	Campbell County Landfill	SWP 285	Permitted	Phase III	Active	Sanitary Landfill [SW]
	Cycle Systems Inc Lynchburg	SWP 432	Permitted	Cycle Systems ILF	Closed	Closed CDD Landfill [SW]
	Internet Corp - Archer Creek Foundry	SWP 456	Permitted	Lynchburg Foundry - Archer Creek	Active	Industrial Landfill [SW]
	Griffin Pipe Landfill - Mt. Athos	SWP 559	Permitted	Mount Athos Griffin Pipe ILF	Not Constructed	Industrial Landfill [SW]
	Internet Corp - Archer Creek Foundry	SWP 599	Pending	Archer Creek Landfill Number 2	Not Constructed	Industrial Landfill [SW]
Nelson County	Nelson County Landfill	PBR 051	Permitted	Nelson Co. Transfer Station	Active	Transfer Station [SW]
	Nelson County Landfill	SWP 209	Permitted	Nelson County Landfill	Closed	Closed Sanitary Landfill [SW]
	Nelson County Landfill	SWP 242	Permitted	Nelson County Landfill #242	Closed	Closed Sanitary Landfill [SW]
	Nelson County Landfill	SWP 242	Permitted	Nelson County Landfill	Closed	Closed Sanitary Landfill [SW]
	US Titanium	SWP 294	Permitted	US Titanium Landfill	Closed	Closed Industrial Landfill [SW]
	Lovington-Nelson County	SWP 328	Permitted	Lovington-Nelson County Landfill	Post-Closure	Closed Sanitary Landfill [SW]

## APPENDIX J

### Attachment 1

Bedford City	Bedford City - Landfill 196	SWP	196	Permitted	City of Bedford SLF	Closed	Closed Sanitary Landfill [SW]
	Bedford City - Landfill 196	SWP	196	Permitted	Bedford City Old Landfill 196	Post-Closure	Closed Sanitary Landfill [SW]
	Royal Oak Farm Solid Waste Composting Facility	SWP	601	Pending	Royal Oak Solid Waste Composting Facility	Not Constructed	Compost Facility [SW]
Lynchburg City	Harold Beasley Inc	PBR	198	Permitted	Harold Beasley Inc	Active	Materials Recovery Facility [SW]
	Lynchburg City Sanitary Landfill	SWP	010	Revoked	City of Lynchburg SLF	Closed	Closed Sanitary Landfill [SW]
	Rock-Tenn Company - Tyreanna Site	SWP	232	Permitted	Rock-Tenn ILF	Closed	Closed Industrial Landfill [SW]
	Florida Avenue Landfill	SWP	344	Revoked	Intermet Florida Avenue ILF	Closed	Closed Industrial Landfill [SW]
	Intermet Corp - Archer Creek Foundry	SWP	347	Permitted	Intermet Archer Creek ILF	Closed	Closed Industrial Landfill [SW]
	Rock-Tenn Company - Tyreanna Site	SWP	511	Permitted	Rock-Tenn-Tyreanna ILF	Post-Closure	Closed Industrial Landfill [SW]
	Intermet Corp - Falwell Landfill	SWP	517	Permitted	Lynchburg Foundry LF- Falwell	Inactive	Industrial Landfill [SW]
	Lynchburg City Sanitary Landfill	SWP	558	Permitted	Phases 1, 2, 3 & 4	Active	Sanitary Landfill [SW]
	Lynchburg City Sanitary Landfill	SWP	558	Permitted	Former Permit #273 Unit	Post-Closure	Closed Sanitary Landfill [SW]

### Attachment 2

Site County	Facilities Name	Permit No	SW Permit Status	Solid Waste Unit Name	SW Unit Status	SW Unit Typ
Appomattox	Appomattox County LF 86	SWP 86	Permitted	Cells A - G	Closed; post closure care	Closed Sanitary LF [SW]
	Appomattox County LF 86	SWP 86	Permitted	Cell I	Capped; waiting certification	Will be closed once final certification received.
	Appomattox County LF 86	SWP 86	Draft permit	Cells J and K	Currently under permitting; public comment period completed	Will be moth-balled once permit received.
Appomattox	Appomattox County LF 86	PBR 163	Permitted	Appomattox Baling facility	In-active for MSW; being used for recycling	Materials Recovery Facility [SW]
Appomattox	Emanuel Tire Tire Processing; located within Permit 86 landfill facility; privately owned	PBR 547	Permitted	Tire Processing Emanuel Tire	Active	Materials Recovery Facility [SW]

## **Appendix K**

### **Theoretical Waste Generations**

## APPENDIX K

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**NOTES**

1. Waste tonnage for MSW and yard waste taken from EPA, report entitled, Municipal Solid Waste Generation, Recycling and Disposal in the United States Facts and Figures 2003. Note: MSW was estimated to be 4.5 pounds per person per day which would include 12% yard trimmings.  
Thus, MSW taken at 4 pounds per person per day and yard trimmings at 0.5 pounds per person per day.  
Residential determined using EPA estimate that residential waste is approximately 55-65% of the MSW wastestream.  
Commercial determined using EPA estimate that commercial waste is approximately 35-45% of the MSW wastestream.
2. Waste tonnage for industrial waste and sludge were evaluated against estimates reported for other Cities (Bristol, VA and Newport News, VA)
3. Special wastes per capita values taken from a number of sources as follows:  
RMW - Virginia average total tons/population for 1999 - 2002  
HHW - From [www.cdphe.state.co.us/hm/hhw/hhw/asp](http://www.cdphe.state.co.us/hm/hhw/hhw/asp)  
CDD - From EPA, Franklin & Associates, "Characterization of Building Related Construction and Demolition Debris in the United States, June 1998.  
From Florida Center for Solid and Hazardous Waste Management, "Generation and Composition of Construction and Demolition Debris in Florida," Report #03-08, February 27, 2003  
Tires - VA DEQ Tire program  
Waste Oil - American Petroleum Institute, Study model.  
Antifreeze - VA Used Oil program estimate.  
Batteries - EPA, Characterization of Municipal Solid Waste in the United States, 2000 Update.  
White Goods - EPA, Characterization of Municipal Solid Waste in the United States, 2000 Update.

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## APPENDIX K

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**Appendix L**  
**Appomattox County Landfill and Relationship with**  
**Region 2000**



## APPENDIX L

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## APPENDIX L

Nov. 23, 2009 3:02PM App. Co. Admin. Office

ks.1789 P. 2

### SUPERVISORS

APPOMATTOX RIVER DISTRICT  
WILLIAM H. CRAFT

COURTHOUSE DISTRICT  
SAMUEL E. CARTER

FAIRING HIVER DISTRICT  
THOMAS H. CONRAD

PINEY MOUNTAIN DISTRICT  
HUBBELL H. MOORE

WRECK ISLAND DISTRICT  
GARY W. TANNER

### APPOMATTOX COUNTY



### BOARD OF SUPERVISORS

P. O. Box 883  
Appomattox, Virginia 24522

COUNTY ADMINISTRATION OFFICE  
(434) 352-2637  
FAX: (434) 352-4214  
[www.AppomattoxCountyVa.gov](http://www.AppomattoxCountyVa.gov)

November 23, 2009

Mr. Daniel Gwinner, Environmental Engineer Senior  
Virginia Department of Environmental Quality  
PO Box 1105  
Richmond, Virginia 23218

RE: Appomattox County landfill and relationship with Region 2000

Dear Mr. Gwinner:

I am writing to clarify the position of Appomattox County and the use of our present facility (Permit # 086) by the Region 2000 Services Authority (Authority) for disposal of solid waste. The Appomattox County Board of Supervisors has voted to become a member of the Authority for solid waste disposal, but has not agreed to the transfer of the landfill property or the permitted air space to the Authority. While the County does not anticipate the Authority seeking such a transfer in the future, should the Authority desire to use our additional two cells (Cell J and Cell K) that we are presently permitting, such use would require approval by the Board of Supervisors, modification of the Use Agreement with the Authority, modification to the regional solid waste management plan and development of a County focused solid waste management plan. Appomattox County chose to complete the permitting of the additional landfill air space (initiated in 2004) as a backup should the County wish to withdraw from the Authority in the future and continue disposal within the County.

The Authority and the County may initiate discussions on joint use of the County's recycling facility located at the landfill at some time in the future. However these discussions have just barely begun and have been rather vague. The viability of such a cooperative use will be further examined in a long range planning study being initiated by the Authority using R.W. Beck. R.W. Beck will be tasked with examining the economics and cost effectiveness of such an endeavor.

## APPENDIX L

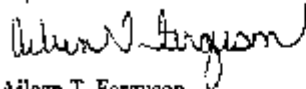
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Nov. 23. 2023 3:52PM App. Co. Admin Office

No. 1759 P 3

I hope that this will clear up any misunderstanding that may continue within DEQ relative to the intentions of Appomattox County and the use of our landfill facility, Permit #086.

Sincerely,

A handwritten signature in black ink, appearing to read "Aileen T. Ferguson". The signature is fluid and cursive, with the first name being the most prominent.

Aileen T. Ferguson  
County Administrator