

APPENDIX R

Surveys of Jurisdiction Waste Practices and Needs - 2014

**SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014**

Response by the CITY OF COLONIAL HEIGHTS, August 14, 2014

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

No operational issues or changes at this writing.

Food scraps (composting), electronic goods and compact fluorescent lamps may warrant attention in the future.

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

No changes anticipated. CVWMA implemented significant changes (MSW service-provider, MSW, recycling service-levels) in 2012.

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

The capacity of city facilities seems adequate to deliver normal services.

No additional facilities are planned.

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

None at this writing.

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

None at this writing.

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

The issue of continued expansion of the CFS-owned landfill in Petersburg has been raised by a few citizens who question its environmental effect, especially the impact to the view shed.

Person completing survey:

Name:	Thomas L. Mattis
Position:	City Manager
Date:	08/14/14
Jurisdiction:	City of Colonial Heights, VA

SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

Illegal dumping of yard waste and pet waste. Possible new methods for HHW management. Education and enforcement of commercial MSW storage practices.

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

Expansion of curbside MSW by private haulers and expansion of curbside recycling collection by private and public haulers (contracted). Consolidation of private waste management companies and start-up of new. Possible mandatory recycling of certain commodities at convenience centers.

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

Expansion of the Ashcake CDD Landfill. Establishment of private transfer station and material recovery facility(s). Regional expansion of MSW capacity. Pilot and possible implementation of systems to deal with special wastes such as diapers, food waste and other bio-materials.

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

Private landfills, transfer stations and material recovery facilities. Private and publicly contracted curbside recycling collection. Private CDD recycling and processing. Need for inert fill capacity. Education in litter control, pet waste management, yard waste handling, food waste management and school recycling. Private industry expansion in commercial recycling including collection.

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

Bio-gasification, food waste composting, business responsibility for take back of certain items (ie: CFBs and such). Special waste management such diapers and food waste.

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

Increasing the connection, operationally and educationally, between storm water and solid waste management. Education on consumer buying habits.

Person completing survey: Name Steve Cludney

Position: Chief of DPW

Date: 7/15/14

Jurisdiction: Hanover County

SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

No issues at this time.

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

The County is currently under contract with Container First Services to operate the centrally located Convenience Center (Transfer Station) at 3100 Union branch Road, Petersburg, Virginia (Prince George County). With the exception of holidays, the Convenience Center is open seven days a week. A satellite collection center is open on Saturday's in the community of Burrowsville, Virginia located in the eastern area of the County. The satellite site is exclusively for the purpose of collecting household waste. The county is not aware of any proposed changes in the current agreement with the service provider.

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

The county currently has sufficient capacity. There are not any plans for additional capacity at this time.

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

The County plans to oversee a pilot curbside recycling program in a ~130 home development. The plan is on schedule to be implemented in June, 2014.

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

None at this time.

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

In 2012, DEQ determined that post closure care and maintenance of the "closed" landfill located within the County could be discontinued. The County was released from the requirements of Solid Waste Permit No. 158.

Person completing survey: Name: Bill Hamby, Jr.
Position: Director of General Services
Date: May 16, 2014
Jurisdiction: County of Prince George

SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

The County currently has convenience centers operated by Waste Management and residents dispose of waste free. The County does not have a formal recycling program.

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

No changes anticipated.

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

No need for additional capacity.

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

No expansion anticipated.

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

recycling

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

None at this time

Person completing survey: Name: Zach Trogdon

Position: County Administrator

Date: July 15, 2014

Jurisdiction: Charles City County

SURVEY OF JURSDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

The City of Richmond is currently undergoing a transition from a general funded operation to an enterprise operation. This in the midst of replacing antiquated data collection and analytic systems to ensure service response is maintained at acceptable levels. And that we are capable of adjusting our services as customer / community needs dictate. Our biggest challenge in our solid waste operation is a subset of a much larger concern we are currently working to address: That of leadership development throughout the organization to support capturing operational and performance information based on workload, requests for services, man hours and materials, and equipment costs – to include fuel, maintenance and acquisition of replacement equipment as needed. This challenge is being addressed through training at all levels within the organization, updating service request and feedback systems, reviewing and updating operating policies, procedures and practices and infusing accountability at every level within the organization.

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

The program transition from general fund to enterprise fund will be thru the introduction of the 'Pay-As-You-Throw' program which allows residents to pay for their solid waste services based on the amount of household waste they actually dispose of. The catalyst to this system will be the resident's desire to lower their disposal costs by diverting reusable materials away from the waste stream thru recycling. The base fee for the 'Pay-As-You-Throw' program will be primarily to cover operating and disposal costs for household waste which has to be landfilled. Thus, the more material the resident is willing to recycle, the lower their disposal cost or base cost for the solid waste service.

As we are in the early stages of information gathering, we are in the process of sending out Requests for Proposals (RFPs) to qualified companies to obtain proposals and subsequently quotes to complete Cost of Services and Waste Characterization studies. Part of the process will entail separating those costs for services which are currently included in the solid waste fee. An example would be our Bulk & Brush service, which is currently not itemized as an individual line item for which funding is allocated. Rather, it is included in the line item for solid waste collection services.

The 'Pay-As-You-Throw' program will begin as a pilot program with no adjustment to current fees for solid waste collection. The entire city will be phased into larger 95 gallon recycling containers and smaller 65 gallon refuse containers over a four year period. Upon complete conversion we conservatively estimate a 50% increase in recycling materials and a correlative decrease in household waste as a result of this

conversion. [The City recycled 7,298 tons of reusable materials in 2013. A 50% increase in this amount would equate to an additional 3,649 tons after the entire city has been converted to 95 gallon recycling containers.] In addition to this change, and for it to work citywide, the City of Richmond will be working with its current recycling service provider to conduct an alley pilot collection program. As 75% of the city's solid waste is currently collected from the alley, we believe the ability to provide recycling services in the alley will significantly increase our recycling participation. However, this program expansion will require the service provider to purchase equipment that is capable of servicing the City's alleys. The service provider has agreed to conduct the pilot at no charge, and to pass on the cost of equipment acquisition to the residents as an additional surcharge of no more than \$0.25 per household per month over the life of the contract.

An increase in recycling tonnages correlates to an equal decrease in household wastes disposed of by landfilling. In FY2013 the City of Richmond landfilled 89,302 tons of household waste. With the conversion of the collection containers and the projected 50% increase in recyclable materials, the household waste disposed of should see a 4% decrease in tonnages landfilled (85,653).

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

The City of Richmond currently has sufficient capacity to meet its waste disposal needs.

4. What expansion do you anticipate to existing solid waste management and recycling programs?
 - *From general fund to enterprise fund.*
5. Are there additional technologies or programs not currently in operation or available in your locality to be explored?
 - *Radio Frequency Identification Devices (RFIDs)*
6. Are there additional issues, changes, or comments specific to your jurisdiction that you feel the CVWMA should consider in the update of the current SWMP?

No additional changes / comments at this time.

Person completing survey: Name James A. Jackson

Position: Director of Public Works

Date: May 13, 2014

Jurisdiction: City of Richmond

SURVEY OF JURISDICTION WASTE PRACTICES
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CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

Chesterfield County is unique within the region in that the County accepts electronic waste (e-waste) and household hazardous/universal waste on a daily basis from citizens at two convenience centers. In fiscal year 2013, Chesterfield County recycled 289 tons of the 410 tons of e-waste recycled within the CVWMA management area. Similarly, Chesterfield County has recycled 277 tons of the 377 tons of e-waste recycled to date within the CVWMA management area during fiscal year 2014.

Chesterfield County has two concerns regarding this program. The first concern involves the end use of recycled e-waste. Chesterfield County wipes all hard drives and other storage devices of County-owned equipment prior to recycling, therefore, the County requests that the recycling contractor dismantle all electronic devices to component pieces for resale on the commodity market. Secondly, Chesterfield is concerned about maintaining security of personal information of consumers that drop off e-waste for recycling. Presently, there are no programs in place to allow consumers to properly wipe hard drives prior to disposal. This creates a risk for personal information being obtained by unauthorized individuals.

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

Chesterfield County does not anticipate any changes in the current method of collection and disposal for municipal solid waste (MSW) and recyclables. Chesterfield County will continue to operate the two convenience centers for consumer drop-offs and rely upon private waste haulers to provide curbside MSW collection services. Chesterfield County entered into a ten (10) year contract with Virginia Waste Services in July, 2013, to provide waste and recyclable hauling services from the two County-owned convenience centers. Curbside collection of recyclables in Chesterfield County will continue to be completed by a private hauler. On May 1, 2014, the CVWMA entered into a nine (9) year contract with Tidewater Fibre Corporation to provide curbside recyclable collection services in Chesterfield County.

Chesterfield County has noted a trend where many private waste haulers are offering aggressive pricing for curbside collection services and providing co-collection of MSW and recyclables. It is likely that this trend will divert some flow of MSW and recyclables that is currently being handled by the two county-owned convenience centers. Based on this trend, Chesterfield County anticipates the MSW and drop-off recyclables handled by the two convenience centers will continue to increase, but at a rate less than the projected population growth.

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

It is estimated that approximately 4.75 million tons of MSW will be landfilled from Chesterfield County for the period between 2014 and 2040. This landfill projection is based on demographic data prepared by Chesterfield County and MSW generation rates provided by U.S. EPA and CVWMA. Chesterfield County's consultants have interviewed the majority of the regional landfills that will accept MSW from Chesterfield County and determined that the available landfill capacity exceeds Chesterfield County's projected total waste generation through 2040.

In 2013, Chesterfield County initiated a number of upgrades to the Northern Area Convenience Center (NACC) to improve operations. The yard waste drop-off area was modified to improve traffic flow. Chesterfield County is also making plans to modify the internal traffic patterns at the facility. Once completed Chesterfield County will be able to route consumer traffic through the NACC more efficiently and reduce congestion during peak use periods. Previously, Chesterfield County increased the capacity of the Southern Area Convenience Center by increasing the size of consumer MSW drop off containers from 40 to 55 cubic yards. These improvements will allow Chesterfield County to continue to meet consumer demands into the foreseeable future. In July 2013, Chesterfield County entered into a 10-year contract with Virginia Waste Services to provide waste and recyclable hauling services for both Convenience Centers.

Chesterfield County has noted that private waste haulers are more commonly collecting household recyclables as part of their curbside MSW collection service. This may necessitate the construction of a private materials recovery facility (MRF) in the region to accommodate the increased collection of source-separated and co-mingled recyclables.

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

Chesterfield County currently has no plans to expand their existing solid waste management and drop-off recycling programs.

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

Chesterfield County recognizes that no programs are in place to aid consumers to properly wipe stored information from personal electronic devices prior to recycling. This creates a risk for personal information being obtained from unsecured recycled e-waste by unauthorized individuals. Chesterfield County will continue to explore programs for enhancing security of recycled consumer e-waste and providing consumers with access to technologies to allow them to properly wipe information from electronic storage devices prior to recycling.

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

In Chesterfield County's September 30, 2003 response to the CVWMA survey, Chesterfield County identified litter as a significant regional issue. Chesterfield County implemented an anti-litter program on July 1, 2004 that incorporates the following components.

- Education and Outreach Presentations: Chesterfield County provides community organizations and groups with access to local experts that discuss a variety of topics that are tailored to all age groups.
- Litter Collection: Chesterfield County operates a year-round litter collection program. The program's participants include Sheriff's inmates, Assign-A-Highway probationers, Anti-Litter Program collection crews and Adopt -A-Spot volunteers.
- Litter Volunteer Opportunities: Chesterfield County provides opportunities for volunteer participants to clean and maintain designated locations.
- Business Partnership Cleanup Program: In 2009, Chesterfield County initiated a program where local businesses can partner with Chesterfield County to collaborate on a variety of environmental initiatives.

This program has enhanced Chesterfield County and similar programs could benefit other localities in the region.

Person completing survey: Name _____ Jeff T. Howard _____

Position: _____ Environmental Manager _____

Date: _____ 06/20/14 _____

Jurisdiction: _____ Chesterfield County _____

**SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014**

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

New Kent is experiencing a growing demand for the disposal of electronics such as T.V.'s and Computers.

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

New Kent anticipates a steady increase in volume due to the County's population growth. Most of our growth is occurring in the western portion of the County and there will eventually be a need for a new transfer station to serve this area.

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

As stated in the response to question 2, we anticipate that there will be a need for a new transfer site in the western area of the County due to population growth.

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

Electronics such as T.V.s and computers.

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

Not at this time.

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

Not at this time.

Person completing survey: Name Rodney Hathaway

Position: County Administrator

Date: 8/15/2014

New Kent County

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CENTRAL VIRGINIA WASTE
MANAGEMENT AUTHORITY

SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

No operational issues w/ Solid Waste Mgmt. at this time.

Our County, and I believe most Counties, could benefit greatly by introducing collecting and processing of CFL's, plastic bags and all plastics (not just #1 & 2).

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

We anticipate no changes to any of the issues brought forth.

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

Discussion has begun regarding the possibility of adding a Convenience center in the Eastern section of Goodland County. We are very early in the discussion and no decisions have been made at this to pursue.

623 Landfill should be, if not already, on line and operating their MRF.

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

The addition of an Eastern Facility ~~for~~ for the collection of Solid Waste and recyclables.

The possibility of a pilot program in Eastern Goochland County for drop off recycling for residents unable to participate in curbside collection.

Possibility of Multi-Family/Commercial recycling collection.

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

None at this time.

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

Educating the Public specifically regarding recycling.

Person completing survey: Name

David Lloyd

Position:

Convenience Center Manager

Date:

4/21/14

Jurisdiction:

Goochland County

SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

No operational issues need attention at this time.

Currently it is difficult to find a vendor to remove our baled cardboard for recycling. We have a vendor now but only because he is the only one who is able to remove the cardboard bales from our site.

E-waste – The only e-waste recycling we have is either through Goodwill for working products or at our annual Amnesty Day Event for recycling of non-working products.

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

We do not anticipate any changes at this time.

If the economy and residential development grows in the County, causing a population growth, we could face an increase in the volume collected.

We do not anticipate any changes at this time.

We do not anticipate any changes at this time.

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

We have just enough capacity to serve the current County's residents.

In previous budgets there was a second facility in the CIP but do to budget constraints that has been removed from the CIP. If the population of the County grows, we must look at either adding a second convenience center and/or adding additional smaller recycling centers throughout the County. We will be adding a second Convenience Center, in the east end of the County to the CIP budget.

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

We do not anticipate any short term expansions to the current program due to limited resources.

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

None that we are aware of.

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

None

Person completing survey: Name Johnny Melis

Position: Utilities Manager

Date: May 16, 2014

Jurisdiction: Powhatan County

SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

The City has received complaints about smell and plastic bags blowing in the surrounding neighborhoods. However, overall CFS does a very good job and the area is well operated.

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

Petersburg does anticipate more recycling which will reduce the trash being disposed at the landfill.

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

Petersburg has capacity for now. We do see a need for the Tri City Regional Landfill disposal area expansion.

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

Tri City Regional Landfill may have plans for further expansion of the landfill. Petersburg wants to explore other opportunities to expand recycling within the City.

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

In the future methane gas collection and use at Tri City Regional Landfill.

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

Encourage more recycling and support increase capacity at Tri City Regional Landfill.

Person completing survey: Name: Steven W. Hicks

Position: Director of Public Works

Date: May 12, 2014

Jurisdiction: City of Petersburg

SURVEY OF JURSDICTION WASTE PRACTICES
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JULY 2014

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

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

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

There will be no change to current method of collection and disposal. We will be adding recycling in our City, July 2014. It should reduce volume of MSW collected.

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

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

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

There are no expansion plans to SWM. Hopewell City will implement a curbside recycling program in July 2014.

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

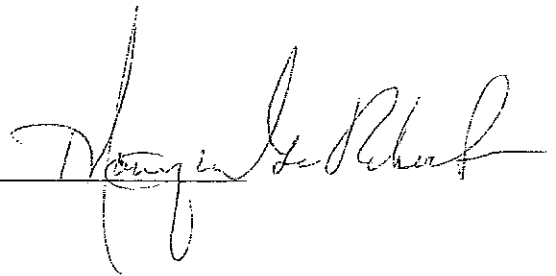
There are no known technologies or programs that need to be explored.

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

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

Person completing survey: Name:

Monique G. Robertson



Position:

Support Services Manager

Date:

May 12, 2014

Jurisdiction:

City of Hopewell

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SURVEY OF JURISDICTION WASTE PRACTICES
FOR THE
CVWMA SOLID WASTE MANAGEMENT PLAN
JULY 2014

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

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

Yard waste (vegetative waste, loose leaves, bagged leaves) continues to be an operational issue in Henrico County. There are large quantities of these items with little market for disposal. The Henrico County Solid Waste Division (1) grinds any vegetative waste received and gives it away to the public or (2) hauls vegetative waste to Gillies Creek Recyclers. Vacuum leaves are hauled to Watkins Nursery which is a long distance for our County collection vehicles while bagged leaves are landfilled at the 623 Landfill.

No. 5 plastics (dairy containers) are becoming more of an operational issue as they are currently not accepted in our recycling program and there are few recycling options for these items. Even though these items are not accepted in the program we still receive them which complicates the recycling process. The Henrico County Solid Waste Division has received multiple requests from our residents asking for a curbside or drop-off recycling program for No. 5 plastics so they do not have to travel to a different location (Whole Foods) to dispose of these items.

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

The Henrico County Springfield Road Landfill will close on June 30, 2014. The Springfield Road Transfer Station will open July 1, 2014 and will manage the solid waste needs of the Henrico County Solid Waste Division. This facility will not operate as a commercial transfer station. County derived solid waste from the Springfield Road Transfer Station (50,000 tons annually) will be transported to the Republic Old Dominion Landfill. Private solid waste haulers that use the Springfield Road Landfill will need to dispose of their waste at other solid waste facilities.

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

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

We do not anticipate any changes to disposal other than as identified above.

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

Based on the disposal capacity in the current Solid Waste Management Plan, Henrico County has sufficient regional landfill capacity to meet our needs for the next 20 years. Henrico County does not anticipate the need for any additional solid waste facilities (other than a transfer station at our Charles City Road Public Use Area per below) to be located in our jurisdiction as long as the Old Dominion Landfill proceeds with their planned landfill expansion. Should the Old Dominion Landfill not proceed with their expansion; the County will need approximately 90,000 tons of regional MSW disposal capacity each year starting at the end of 2017. Of the 90,000 tons, 75,000 tons are needed for the Henrico County Solid Waste Division while the remaining 15,000 tons would be needed for Henrico County General Government.

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

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

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

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

No expansion other than through normal population growth.

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

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

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

None at this time.

Person completing survey: Name Jon Clary Jon Clary

Position: Solid Waste + Recycling Division Director

Date: 6-17-14

Jurisdiction: Henrico County