

MINUTES

RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

Wednesday, May 21, 2014

George L. Gordon Government Center

Board of Supervisors Chambers

Meeting Convened: A regular meeting of the Rappahannock Regional Solid Waste Management Board (R-Board) was convened at 1:32 P.M., Wednesday May 21, 2014, at the Stafford County Administration Center, Board of Supervisors Chambers.

Roll Call: The following members were present: Paul V. Milde, III, Chairman; Frederic N. Howe, III, Vice-Chairman; Beverly R. Cameron; Gary Snellings; Anthony J. Romanello; Absent: George Solley.

Also in attendance were: Brendan Hefty, Esq., Hefty and Wiley, P.C., R-Board Attorney; Robert L. Hundley, Resource International, Ltd., Consulting Engineer; Keith C. Dayton, Deputy County Administrator; Jason Pauley, R-Board Superintendent; Diane Jones, Julie May, Stephanie Persico, Lisa Butler, Britney Stone, R-Board Staff; Tim Lee, Business Development Manager for Tidewater Fiber Corporation; Max Johns, Republic Services; Lynne Thomas, Republic Services; Joanie DeShazo, Stafford County Administration

Mr. Howe motioned, seconded by Mr. Snellings, to approve the minutes for April 2, 2014.

By voice, the vote was:

Yea:	(5)	Milde, Howe, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley

Presentations by the Public: The following members of the public desired to speak:

Mr. Bill Johnson, Whitson Lane - Mr. Johnson expressed the following points:

- Chemicals and toxins such as mercury, benzene, and arsenic are concentrated during the pyrolysis process. He stated that consolidating the garbage through incineration creates the opportunity for larger amounts of hazardous chemicals to be dumped into the landfill. A group named Urban Ore in California has developed a plan to build a resource park, where all the recyclables and MSW are sorted, priced, and sold. Recyclables are reused resulting in less garbage going into the landfill.
- The R-Board has not been charging trucks for their tonnage but rather per truck. Companies are overloading their trucks coming into the landfill to take advantage of this lesser cost. The R-Board is concerned about raising the tipping fee because the garbage will go elsewhere. Mr. Johnson recommended encouraging residents to dump at other landfills.
- Spoke about the impact on global warming that an incinerator would have.
- Expressed concern as to why the R-Board is rushing into an RFP for a pyrolysis plant when the technology hasn't been successfully tested before.

Report of the R-Board Attorney: Mr. Hefty reported there are no issues to report on at this time.

Report of Staff: Mr. Dayton provided a staffing update. The landfill is currently authorized for 34 positions; 28 positions are currently filled with 6 vacant positions. He reported that the R-Board has completed the recruiting process for the Maintenance Worker 1 position. The R-Board will be fully staffed as far as the plans for the current year and the next fiscal year.

Permit Report: Ms. Julie May, Environmental Manager, reported on the following:

- In regards to the air permit, the R-Board staff is working with Resource International and DEQ to submit and gain approval of a new Title V air permit. DEQ had some questions and R-Board staff is working with Resource International on revisions. A revised application will be sent back to DEQ soon.
- DEQ's 1st quarter compliance inspection was conducted on March 27th. This inspection resulted in a warning letter issued for visible waste. There was an open excavation due to pipe repairs. The repairs are now complete and DEQ was notified of the site improvement.
- Staff is working with DEQ about the corrective action for the groundwater. Ms. May submitted a response, and to date has only received an acknowledgement of the receipt of the response.
- R-Board staff is working with Draper Aden Associates to adjust the well field and troubleshoot the landfill gas migration. The likely cause is a non-functional gas collection well due to excessive moisture. Resource International is assisting by providing weekly reports to DEQ.

Mr. Hundley discussed Permit 589 and the preconstruction meeting with the contractor who is installing the landfill gas extraction wells that are being placed in Cell E. The wells were drilled the week of May 12th. Resource is working with the R-Board Superintendent to obtain quotes from liner companies to close the storm water drainage ditch at the northeast corner of Cell F-1. Mr. Hundley reported that in late March Fredericksburg's (Cool Springs Road) landfill had at least three gas probes with readings above compliance levels. Resource has begun weekly sampling and is trying to troubleshoot the problem and make sure the flare is giving as much vacuum to the system as possible.

Operations Update: Mr. Jason Pauley, R-Board Superintendent, reported on the following:

- Landfill gas collection system rehabilitation: The repairs to the landfill gas collection system were completed on April 11th. AMERESCO is now running at 100%. The system has been operational and stable, providing consistent quality gas to AMERESCO's power plant. AMERESCO has been able to run consistently at peak power production with the stable gas supply.

Draper Aden Associates started work on April 10th as the R-Board's landfill gas operations and maintenance contractor. Mr. Pauley reported that he is pleased with their work so far. They are currently assessing the existing collection wells and providing recommendations for improvement.

- Cell E Landfill Gas Extraction System Upgrades Progress: SCS Field Services started May 13th and completed the installation of all the wells. Installation of the landfill gas collection system lateral and header pipe to connect the new wells is to be completed by the end of next week. Odors can be expected to be generated during this construction project due to the penetration of the landfill cap for well installation; odors shouldn't be a factor during evening hours. After construction is complete, odors related to landfill gas should be greatly reduced.

Mr. Milde asked Mr. Pauley to further explain AMERESCO's relationship with the landfill. Mr. Pauley explained that AMERESCO receives methane gas from our collection system, which is produced in the landfill from the decomposing waste. This gas is able to power their engines to produce 2.2 megawatts of energy, an amount equivalent to the supply for 1,300 homes. He also noted that AMERESCO has advised us they will consider the installation of a third engine once we have demonstrated a consistent, high quality methane supply. This will result in an increase in revenues from AMERESCO.

Ms. Diane Jones, Recycling Coordinator, reported on the following:

- **F.O.R River Cleanup:** On April 26, The R-Board assisted the Friends of the Rappahannock with their bi-annual river clean up, collecting 2.5 tons of litter.
- **HHW Day Planned:** The next Household Hazardous Waste collection day at the Eskimo Hill residential drop-off site is on Saturday, June 14, 2014 from 9 A.M. to 3 P.M. This program is free to County and City residents.
- **Fluorescent Bulb Recycling:** In April, 4,040 linear feet of straight bulbs, 563 compact bulbs, and 77 U-shaped bulbs were collected and recycled.
- **Scale Code Revisions:** Administrative staff worked with the landfill Scale Master and the Finance department to streamline and combine the material codes. The scale codes were revised from 112 to 54. The removal of unused and duplicate codes will enhance waste characterization and ensure accuracy in identifying waste received.
- **Single Stream Recycling Update:** An RFP for the recycling of our single stream was sent out and the R-Board received four responses. The proposals are currently under evaluation.

Customer Survey Results: Mr. Dayton reported on the residential survey, which was conducted from May 5 - 11 at the Eskimo Hill landfill and Belman Road facility.

- Pertaining to the usage of each facility, there was an 80/20 split with Eskimo Hill location (80%) and Belman Road (20%).
- There was a 56/44 split with usage for Belman Road from Fredericksburg and Stafford County residents, respectively, whereas the Eskimo Hill facility usage was 96% Stafford residents.
- Eskimo Hill received over 1,000 cars per day on Saturday and Sunday, averaging about 175 vehicles per hour.

Mr. Howe questioned the discussion made about closing the Belman Road facility and noted that this discussion may need to be reconsidered since there is a significant amount of use from Stafford County residents. Mr. Howe suggested exploring the possibility of opening another site like Belman to reduce the traffic on Eskimo Hill Road to the main landfill site. He acknowledged the increase in costs to the R-Board and noted that with the current financial situation it may not be feasible.

Correspondence and Media: Mr. Dayton reported on Ms. May's work with the community outreach programs along with the schools and educating the youth about the importance of recycling.

Report on Finances: Mr. Dayton reported on the following:

Financial Summary through April 30, 2014: Revenues recovered in April; we should be able to finish FY14 slightly ahead with commercial tipping fee revenues. This is offset by decreases in recycling and AMERESCO revenues. Now that AMERESCO is back to 100%, Mr. Dayton is optimistic that AMERESCO's revenue will improve. He also stated that he is hopeful about the potential of the RFP for the single stream recycling to increase recycling revenue in the next fiscal year.

Waste and Material Analysis: With revenues being up, our commercial tonnage is also up. Mr. Dayton stated that the cleanup category was up 80 percent due to the R-Board assisting the City in large cleanup efforts. Mr. Dayton thanked Ms. Lisa Butler for her assistance. He reported that the non-billable was 26 percent of total landfill tonnage.

Customer Account Status: The status of delinquent customer accounts is level with the last report, showing only a minor increase of \$17,000.

Unfinished Business: Mr. Dayton reported on the following:

1. **Alternative Solids Handling Processes Proposal Update.** R-Board staff completed the RFP review process for the Alternative Solid Waste Handling proposal and selected Arcadis, a nationally recognized firm with extensive experience in the solid waste handling field. Arcadis completed their review of the initial proposal, prepared by the R-Board staff, and offered their suggestions for modifying the proposal. Revisions include the restructuring of the proposal content for clarity, additional submission requirements for emerging technologies, and including the option for conversion of the landfill to a zero waste facility. All of the revisions that resulted from the public comment period were kept as well. The entire proposed RFP was included in the Board packet.

Mr. Snellings asked what the next steps are if the resolution is passed. Mr. Dayton explained that a contract would be advertised for 60 days (minimum as recommended by Arcadis) as soon as early June. Staff would do an initial review and summarize the responses, and bring the report to the Board at the August meeting. This would not be a full evaluation. The evaluations would continue, and a recommendation would be brought to the R-Board for consideration at the November meeting at the earliest. After selecting a potential contractor, an environmental study would be conducted (per the proposal requirements). A complete package would be created sometime in early 2015. Then public information meetings would be conducted. Mr. Snellings asked when the proposal goes to a public hearing. Mr. Dayton answered that prior to construction there would need to be a conditional use permit that requires both the Planning Commission and Board of Supervisors approval. During the August meeting, the Board would review any potential proposals of interest. If there are any proposals of interest at that time, it will initiate at least three months of evaluation.

Mr. Milde asked if a lease agreement would trigger the need for a separate public hearing. Mr. Hefty answered that a public hearing would be necessary if there were to be a lease agreement. Mr. Snellings wants as much public involvement as possible. Mr. Milde asked if the R-Board has any plans to build an incinerator in Stafford. Mr. Dayton answered no. Mr. Milde asked if the resolution to move forward with the RFP would bring an

incinerator to Stafford, Mr. Dayton answered that it would not. Mr. Milde asked if the resolution were to be passed, would it bring Stafford closer to importing tires. Mr. Dayton answered that it does not, and stated that this proposal process only solicits new ideas for waste processing technology.

Mr. Howe encouraged the Board to explore the alternatives. He said that longevity of the landfill is very important. He noted that 30-40 years is not that far away. He understands the public's desire to move the waste to other locations, but it is still the R-Board's problem. He hopes that the solution would not contribute to the problem of global warming. He was optimistic that the R-Board would continue to identify the problem, find solutions, and then act on them.

Mr. Milde asked Mr. Dayton to define zero waste. Mr. Dayton answered that that the concept can be taken literally or as a goal. He stated that the R-Board's goal has always been zero waste and noted the R-Board's current recycling rate is approximately 50 percent. Zero waste is a method of constantly looking at the waste stream and diverting as much as possible from landfilling. Mr. Milde stated that the trash buried in the landfill produces greenhouse gases. Mr. Pauley explained how landfill gas forms from the decomposition of the solid waste, the way the R-board captures the methane, and how it is put to beneficial use by AMERESCO. Mr. Milde asked about the liner system. Mr. Hundley explained that another byproduct of a landfill is leachate and that a 60-mil HDPE plastic liner contains the leachate and prevents pollution. Mr. Dayton stated the leachate is collected and sent to the wastewater treatment plant, where it is cleaned and then discharged back into the surface water system.

Mr. Howe motioned, seconded by Mr. Snellings, to approve proposed Resolution RB14-02.

By voice, the vote was:

Yea:	(5)	Milde, Howe, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley

Proposed Resolution RB14-02 reads as follows:

A RESOLUTION TO AUTHORIZE THE ISSUANCE OF A REQUEST FOR PROPOSALS

FOR ALTERNATIVE METHODS OF HANDLING SOLID WASTE AT THE

RAPPAHANNOCK REGIONAL LANDFILL

WHEREAS, the R-Board desires to reissue the Request for Proposals to solicit proposals from qualified firms interested in providing alternative methods for handling solid waste at the Rappahannock Regional Landfill; and

WHEREAS, the R-Board received and incorporated public input into this Request for Proposals; and

WHEREAS, the R-Board has also sought and incorporated input from a nationally recognized firm experienced with alternative methods of processing solid waste; and

WHEREAS, the R-Board has determined that the Request for Proposals, as amended, is suitable for advertisement; and

WHEREAS, the R-Board desires to advertise the Request for Proposals for a period of approximately 60 calendar days;

NOW THEREFORE BE IT RESOLVED that the Request for Proposals for Financing, Construction, Operation, and Maintenance of Alternative Methods of Processing Municipal Solid Waste for the Rappahannock Regional Solid Waste Management Board (R-Board) is hereby authorized for advertisement for a period of approximately (60) days.

2. Financial Discussion. Mr. Dayton explained the previously issued request to balance the operating budget in the amount of \$228,000, split evenly between the two jurisdictions at \$114,000, was declined by the County of Stafford Board of Supervisors. The Fredericksburg City Council authorized the expenditure of \$114,000 in their approved budget. The actions by Stafford may have an effect on Fredericksburg's decision.

Mr. Dayton introduced a discussion about funding the construction of Cell F2, which must be available for operation in December 2015. Mr. Milde asked when space will run out in Cell F1. Mr. Dayton stated that Cell F1 will be completely full by December 2015. Mr. Dayton further explained that the construction bid for Cell F2 needs to go out in December 2014 so a contract can be awarded by February 2015. Construction should begin in spring 2015. Mr. Milde asked when the R-Board needs to have this funding issue resolved. Mr. Milde asked how much money is needed to take care of the Cell F2 expansion. Mr. Dayton stated that it is estimated to be about \$4 million. He stated that we need about \$650,000 yearly to fund the capital cost for landfill capacity. If the R-Board were to obtain a loan for the construction, the debt service would be around \$800,000. The Board has \$13,000 in unrestricted reserves and this current year is looking at a deficit of \$228,000 operations. This deficit does not include depreciation costs. Mr. Dayton stated that the R-Board does have about \$4.2 million in liquid assets held in reserve for closure. Mr. Dayton stated that the R-Board will hit an operations hard-stop next December and we will need the \$4 million for our closure/post-closure costs to stay in compliance with DEQ. Mr. Milde suggested checking with King George and Spotsylvania County landfills to assess the cost of transferring our waste to their facilities. Mr. Milde suggested that this issue go before the Stafford Board of Supervisors at their next meeting and staff needs to be prepared for scenarios showing the direness of the situation. Mr. Snellings agreed that this is an issue for the local governments to consider.

Mr. Snellings asked staff to outline options that will be presented to the Board of Supervisors at their next meeting. The options will be:

1. Charging residents for use of the landfill

2. Close on weekends or possibly extend hours on Saturday and close on Sunday
3. Close the landfill permanently and transfer all trash to the landfill in King George County

Mr. Snellings asked how much money would be saved if the R-Board closed the facilities on Sundays. Mr. Dayton stated \$62,000. Mr. Snellings asked how much Spotsylvania subsidizes their landfill. Mr. Dayton informed the board that Spotsylvania provides \$2.69 million from the general fund for their landfill. Mr. Snellings reiterated that this issue is too significant, since it affects every resident of Stafford County, for the R-Board to make a decision and needs to be presented to the Board of Supervisors. Mr. Snellings asked how much money could be saved through the elimination of the litter program. Mr. Dayton responded that it costs about \$300,000 per year, but a \$25,000 grant supports that effort. Mr. Snellings tasked staff with, in addition to providing the two scenarios for revenue enhancement and shipping trash to King George, that he show a comparison with Spotsylvania County when he makes his presentation to the Stafford Board of Supervisors. Mr. Milde added that the Stafford Supervisors need to be made aware that without any changes, the landfill will shut down. The R-Board directed staff to bring the R-Board's financial matters before the full Stafford Board of Supervisors as soon as possible. Mr. Howe added everyone that the City Council needs to be involved since City residents will be affected by the direction the Stafford Board takes. He also reminded the R-Board that he would like to see the leasing terms in the operating agreement between Fredericksburg and Stafford be eliminated.

Relic Hunting Request: Mr. Dayton stated that the request for relic hunting is resolved because the individual withdrew his request.

New Business:

Recognition of R-Board Members: Mr. Milde read and presented Proclamation (PRB14-03) to Mr. Howe.

Proclamation PRB14-03 reads as follows:

A PROCLAMATION TO RECOGNIZE FREDERIC HOWE, III,
FOR OUTSTANDING SERVICE TO THE
RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD

WHEREAS, Fredric Howe, III, has been a loyal and dedicated member of the R-Board since 2010; and

WHEREAS, Frederic Howe, III served as Chairman of the R-Board in 2012 and Vice-Chairman in 2011 and 2013; and

WHEREAS, Mr. Howe contributed to the leadership and deliberation that allowed the R-Board to build a new compost facility in 2010 and construct new cell F1 in 2011; and

WHEREAS, under the leadership of Mr. Howe and other members of the R-Board, the backyard composting program won a Virginia Recycling Association Award for Excellence in Recycling in the "Outstanding Education Program" category in 2012; and

WHEREAS, the support and oversight of Mr. Howe and members of the R-Board helped build an exceptional recycling program in which the percentage of recycled materials consistently exceeded the state's average;

NOW, THEREFORE, BE IT PROCLAIMED by the Rappahannock Regional Solid Waste Management Board on this the 21st of May, 2014, that Frederic N. Howe, III, be and hereby is recognized for his years of outstanding community service and dedication to the R-Board.

Mr. Howe thanked the R-Board and staff and declared his tenure on the R-Board a most exciting time. He felt honored to be on the R-Board. He said he learned a lot and will continue to follow the work of the R-Board as a citizen.

Mr. Snellings motioned, seconded by Mr. Cameron, to approve proposed Proclamations PRB14-03

By voice, the vote was:

Yea:	(4)	Milde, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley
Abstain	(1)	Howe

Proclamation PRB14-04 reads as follows:

**A PROCLAMATION TO RECOGNIZE GEORGE SOLLEY
FOR OUTSTANDING SERVICE TO THE
RAPPAHANNOCK REGIONAL SOLID WASTE MANAGEMENT BOARD**

WHEREAS, George Solley has been a loyal and dedicated member of the R-Board since 2008; and

WHEREAS, George Solley served as Vice-Chairman for the R-Board in 2009 and 2010; and

WHEREAS, during Mr. Solley's tenure on the R-Board, he helped facilitate the process of deeding over R-Board land to establish Stafford County's Civil War Park; and

WHEREAS, Mr. Solley contributed to the leadership and deliberation that allowed the R-Board to build a new compost facility in 2010 and construct a new cell F1 in 2011; and

WHEREAS, under the leadership of Mr. Solley and other members of the R-Board the backyard composting program won a Virginia Recycling Association Award for Excellence in Recycling in the "Outstanding Education Program" category in 2012; and

WHEREAS, the support and oversight of Mr. Solley and members of the R-Board helped build an exceptional recycling program in which the percentage of recycled materials consistently exceeded the state's average;

NOW, THEREFORE, BE IT PROCLAIMED by the Rappahannock Regional Solid Waste Management Board on this the 21st day of May, 2014, George Solley be and hereby is recognized for his years of outstanding community service and dedication to the R-Board.

Mr. Snellings motioned, seconded by Mr. Cameron, to approve proposed Proclamations PRB14-04.

By voice, the vote was:

Yea:	(5)	Milde, Howe, Cameron, Snellings, Romanello
Nay:	(0)	
Absent:	(1)	Solley

Future Session: The next meeting will be held on August 20th, 2014 at 1:30 P.M. in the Stafford County Administrative Center, Board of Supervisors Chambers.

Adjournment: The Chairman adjourned the meeting at 2:36 P.M.



Keith C. Dayton, Director



Lisa Butler, Acting Clerk