

Regional Office
723 Woodlake Drive, Chesapeake, VA 23320
phone: (757) 420-4700 fax: (757) 965-9528
www.spsa.com

January 25, 2011

BOARD OF DIRECTORS

Mr. Troy D. Breathwaite
Air Compliance & Monitoring Manager
Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

CHESAPEAKE
Marley A. Woodall, Jr.
Eric J. Martin

FRANKLIN
Everett C. Williams, Jr.
VICE-CHAIR
June Fleming

Re: Southeastern Public Service Authority, Regional Landfill, Odor Controls Update

ISLE OF WIGHT
Theodore M. Hardison
W. Douglas Caskey

Dear Mr. Breathwaite:

I am writing to respond to the above-referenced continuation of SPSA's efforts to control any potential odor at the Regional Landfill based upon our discussion held with DEQ staff on January 13, 2011. Please accept this letter as SPSA's both current and future actions to address questions raised during the January 13 meeting.

NORFOLK
Joseph A. Leafe, CHAIR
Stanley A. Stein

PORTSMOUTH
G. Timothy Oksman
George M. Willson

Actions Taken

A. Commissioned an odor study by SCS Engineers at a cost to SPSA of \$39,900. SPSA has made the report available on the SPSA web site, www.spsa.com.

SOUTHAMPTON COUNTY
Roy W. Chesson
Michael W. Johnson

B. Continue to track complaints and report complaints to DEQ staff and post received complaints on the SPSA web site.

SUFFOLK
James C. Adams, II
Selena Cuffee-Glenn

C. Conducted a monitoring program under DEQ's guidance to identify potential sources of odors.

VIRGINIA BEACH
Page Johnson
John C. Barnes

D. Covered trash at a frequency and at a depth greater than required under state law. All trash is covered by the end of the last shift (currently 5:00 p.m.). Cover soils are staged in close proximity to the working face to facilitate expeditious covering.

EXECUTIVE DIRECTOR
Rowland L. Taylor
SPSA

E. Significantly reduced the size of the working face of Cell VI during all operating hours.

F. Installed and tested an odor suppression system at the perimeter of Cell VI operations. While this system was found to be ineffective, SPSA has switched to a product applied via our water truck and is now using an odorless neutralizer daily during operating hours.

G. Completed the installation of horizontal gas collection system on the perimeter of Cell VI, utilizing the cleanouts for four vaults. This system continues to draw approximately 400 cfm of landfill gas from Cell VI. SPSA has also completed the installation of the permanent gas collection system in Cell VI A and B which is pulling approximately 1800 cfm out of Cell VI.

H. Revised and submitted to DEQ its odor control plan to add requirements and responsibilities to address odors by specific potential source: leachate ponds, gas wells, vaults, and the landfill itself.

I. Established a direct SPSA dial-in line for residents to call when they detect odors that may be landfill related. Pertinent information will be provided to residents via SPSA's website, mailings and links to other appropriate websites.

J. Operates the landfill 12 hours per day instead of 24 hours.

Ongoing Actions

A. As noted above, SPSA is now using an odorless neutralizer daily.

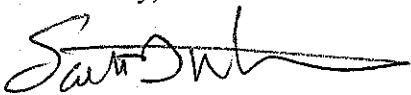
B. SPSA requested that HDR Engineering, perform a temperature study on Cell V at the Regional Landfill in an effort to identify the cause of the elevated temperatures in the cell. Even with the elevated temperatures, SPSA has been able to maintain a minimum vacuum on Cell V gas extraction wells. However, should we be able to ID and correct the issue causing the elevated temperatures in Cell V, we anticipate being able to apply increased vacuum to the gas extraction wells, therefore reducing the potential for gas to escape from the cell. A copy of the final report will be forwarded to DEQ upon receipt.

C. HDR is working with our gas collection contractor to upgrade the existing flare at the Regional Landfill. The new flare will be able to handle the increased gas being collected from Cell VI and we may be able to achieve a slower burn of the gas being flared due to the increased capacity of the flare.

D. On a regular basis, SPSA staff monitors and evaluates the operation of the leachate collection vaults surrounding Cell V and VI at the Regional Landfill. Any necessary work is completed immediately OR as soon as we are able to receive necessary parts.

Should you have any additional questions, please feel free to contact me at 757-961-3582.

Sincerely,



Scott D. Whitehurst
Landfill and Environmental Superintendent