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Carlos Alvarez, Mayor

Environmental Resources Management

Pollution Control Division

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Miami, Florida 33136-3912

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- Vizcaya Museum And Gardens
- Water & Sewer

March 14, 2008

CERTIFIED MAIL NO. 7006 0810 0000 7057 0641

RETURN RECEIPT REQUESTED

Mr. Pedro G. Hernandez, City Manager  
 City of Miami  
 3500 Pan American Drive  
 Miami, FL 33133

RE: Contamination Assessment Plan (CAP) dated February 18, 2008 and submitted by Bureau Veritas North America, Inc. for the Former Virginia Key Landfill (SW-1244/File-10613) located at, near, or in the vicinity of Virginia Key, Miami, Miami-Dade County, Florida.

Dear Mr. Hernandez:

The Pollution Remediation Section of the Department of Environmental Resources Management (DERM) has reviewed the referenced submittal, received February 19 and hereby approves the plan subject the following conditions:

1. Supporting technical documentation for all proposed Geophysical Survey methodologies shall be submitted.
2. Static methane readings (maximum accumulation concentration) must be collected without purging after the gas analyzer's on-board pump is turned on and recorded as a percent of the Lower Explosive Limit (LEL) calibrated for methane and percent by volume. The sampling pump and meter must remain turned on and connected and samples shall continue to be collected until steady state is achieved (i.e., an equilibrium where readings do not vary more than 0.5 percent by volume on the instrument scale). If, after a total of 10 minutes of continuous measurements, it is apparent that the gas concentrations have stabilized and steady state is achieved, the measurement may be terminated.
3. Be advised that, as per the DERM letter dated December 20, 2007 (Item 7), depending upon the methane levels detected at the property boundary, additional off site subsurface methane gas probes may be required.
4. As per the DERM letter dated December 20, 2007 (Item 8), all monitoring wells shall be sampled for the parameters listed in paragraph 62-701.510(6)(b), Florida Administrative Code (FAC), dioxins, and PCBs.

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Mr. Hernandez  
SW-1244/File-10613  
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Be advised that all investigative derived waste (IDW) shall be containerized and properly disposed. Alternative disposal methods, such as the proposed method of spreading the IDW on the ground and covering it with two feet of clean fill, shall require the submittal of a solid waste relocation management plan and shall take into account future land use and include documentation of volumes, final elevations, waste thickness, and boundary GPS coordinates of each individual IDW deposit.

The vertical and horizontal extent of the contaminant plume(s) must be fully delineated. DERM has the option to split any samples deemed necessary with the consultant or laboratory at the subject site. The consultant collecting the samples must perform field sampling work in accordance with the Standard Operating Procedures provided in Chapter 62-160, Florida Administrative Code (FAC), as amended. The laboratory analyzing the samples must perform laboratory analyses pursuant to the National Environmental Laboratory Accreditation Program (NELAP) certification requirements. If the data submitted exhibits a substantial variance from the DERM split sample analysis, a complete resampling using two independent certified laboratories will be required.

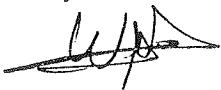
Beth Baughman of DERM shall be notified in writing a minimum of three (3) working days prior to the implementation of the referenced plan. Please include the DERM file number on all correspondence.

Therefore, within sixty (60) days of receipt of this letter, you are hereby required to submit to DERM for review a Geophysical Survey including the required supporting technical documentation and also a proposal for auger, test pit, and soil boring locations along with a solid waste relocation management plan (if elected).

Failure to adhere to the items and timeframes stipulated above may result in enforcement action for this site.

If you have any questions regarding this letter please contact me at (305) 372-6700.

Sincerely,



Wilbur Mayorga, P.E., Chief  
Pollution Control Division

SVB

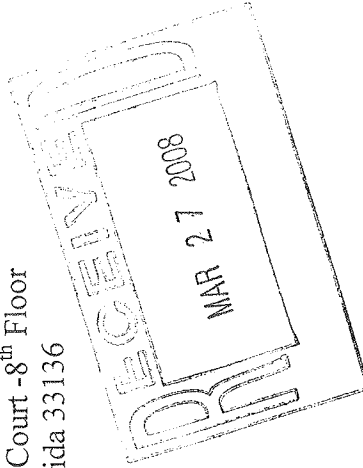
pc: Jorge Fernandez – City of Miami Attorney's Office, 444 SW 2<sup>nd</sup> Ave, Suite 945, Miami, FL 33130  
Alex Acosta – Bureau Veritas, 10125 NW 116 Way, Suite 18, Miami, FL 33178  
Joe Lurix – FDEP (WPB)  
Paul Wierzbicki, P.G. – FDEP (WPB)  
Hardeep Anand, P.E. - DERM



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Alexander D. Acosta, Division Manager  
Bureau Veritas North America, Inc.  
10125 NW 116<sup>th</sup> Way, Suite 18  
Miami, Florida 33178

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