



**CH2MHILL**

*Celebrating  
50 Years*

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March 21, 1997

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**BUREAU OF  
AIR REGULATION**

Cleve Holliday  
Florida Department of Environmental Protection  
Division of Air Resources Management  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Dear Cleve:

**Subject: Emissions Inventory Data For Air Quality Impact Analysis  
Miami-Dade Water and Sewer Department**

On behalf of the Miami-Dade Water and Sewer Department (MDWASD), CH2M HILL and BND are preparing prevention of significant deterioration (PSD) air permit applications for standby generators at three MDWASD facilities. The location of the sources are as follows:

<b>Plant</b>	<b>Location</b>	<b>UTM (Easting)</b>	<b>UTM (Northing)</b>
Central District WWTP	Virginia Key	584959 m	2847790 m
John E. Preston WTP	1100 SW 2 <sup>nd</sup> Ave	571472 m	2857104 m
Alexander Orr WTP	6800 SW 87 <sup>th</sup> Ave	566590 m	2843380 m

As we discussed in our telephone conversation, please provide the following information necessary to perform an air quality impact analysis for these sources:

- inventory of current emission sources in Broward and Dade Counties, including UTM coordinates, stack parameters, and emission rates;
- inventory of PSD baseline emission sources in Broward and Dade Counties, including UTM coordinates, stack parameters, and emission rates;

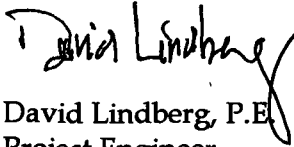
Per our discussion, the air quality impact analysis will concentrate on offsite sources that may have significant impacts in the same area as the proposed sources by omitting offsite sources with emissions (in tons/year) greater than 20 times their distance (in km) from each area of significant impact. Also, I intend to use the 1996 arithmetic mean NO<sub>2</sub> background concentration (Virginia Key monitoring site) of 13 µg/m<sup>3</sup>, and the 1996 arithmetic mean PM<sub>10</sub> background concentration (Fire Station at NW 12<sup>th</sup> Avenue and 20<sup>th</sup> Street) of 28 µg/m<sup>3</sup> for all three sources. The background PM<sub>10</sub> concentration will be used for both the annual and 24-hour averaging periods.

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I look forward to receiving this information, as well as your determination of the appropriateness of including receptors influenced by building wake effects. Unless I hear from you otherwise, I will assume that the use of the background data stated above is acceptable to FDEP. If you disagree with the approach or have any questions about the requested information, please call me at (619)687-0110.

Sincerely,

CH2M HILL



David Lindberg, P.E.  
Project Engineer

c: Martin Costello/FDEP  
Bertha Goldenberg/Miami-Dade WASD  
George Howroyd/CH2M HILL  
Faustin Denis/BND