

**Walters, Vivian (RER)**

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**From:** Walters, Vivian (RER)  
**Sent:** Thursday, May 02, 2013 3:17 PM  
**To:** 'diana@dodecinc.com'; 'info@adigoeng.com'; 'vivian.peon@vipcompliance.com'  
**Cc:** Johnson, Laurie (RER)  
**Subject:** Air Emissions Testing - RQID1300123  
**Attachments:** RQID1300123.pdf

SBD is in the process of "**Reviewing and Analyzing**" the subject project for **SBE Measures**. There are a limited amount of firms certified in the required Commodity Code covering the applicable "**Scopes of Services**"; as such, before conducting a complete "**Verification of Availability**", I doing a cursory review.

Please review the attached document, the scope, equipment and all related products for this contract, and the associated requirements and respond as to your ability to meet the same...(based on the responses, a complete "**Verification**" will be conducted.

**\*\*\*FYI** – you are not required to provide any pricing at this point.

\*\*\*\*\*

- *Are you interested?*

YES \_\_\_\_\_ NO \_\_\_\_\_

- *Are capable of meeting the scope and ALL requirements?*

YES \_\_\_\_\_ NO \_\_\_\_\_

- *Do you have prior experience consistent with these scopes?*

YES \_\_\_\_\_ NO \_\_\_\_\_

Regards,

**Vivian O. Walters, Jr.**  
Contract Development Specialist II  
Regulatory and Economic Resources Department  
Small Business Development Division  
111 NW 1st Street #19 Floor  
Miami, Fl 33128  
[walterv@miamidade.gov](mailto:walterv@miamidade.gov)  
☎ Office (305) 375-3138 | ☎ Fax (305) 375-3160  
*"Delivering Excellence Every Day"*

"For the New Project Review & Analysis Process"

 *click on our new website*  
<http://www.miamidade.gov/sba/about-project-review-and-analysis.asp>

*Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statute concerning public records. E-mail messages are covered under such laws and thus subject to disclosure.*



**SECTION 3  
TECHNICAL SPECIFICATIONS**

**AIR EMISSION TESTING**

**3.1 SCOPE OF WORK:**

Conduct air emission compliance testing (stack testing) in accordance with the U.S. Environmental Protection Agency (EPA) and Florida Department of Environmental Protection requirements and regulations for Miami-Dade County Water and Sewer Department.

**3.2 SERVICE INCLUDES SAMPLING, TESTING AND REPORTING AS FOLLOWS:**

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**A. Sampling**

1. Successful bidder will provide all labor and materials for sample collection and analysis, data reduction and preparation of emission test reports that are suitable for submission to the regulatory agencies.
2. Sampling equipment, techniques, analytical procedures and quality control provisions must adhere to currently specified approved State of Florida Department of Environmental (DEP) and Environmental Protection Agency (EPA) methods, as they may be amended from time to time.

**B. Testing**

1. All testing and reporting must meet the current requirements set by the State of Florida Department of Environmental Protection (FDEP) at the time of testing and submittal.
2. Testing will be performed on facility emission units as required by the respective facility operating or construction permits issued by the FDEP or by Florida Administrative Code (F.A.C.) Rules.
3. Principle test methods for the Engine Driven Pumps, Cogeneration, Standby and Emergency Generator Units will be EPA Method 7E (Nitrous Oxide Emissions from stationary source), EPA Method 9 (visible emissions), and EPA Method 10 (carbon monoxide), EPA Method 25A (total hydrocarbon), Methods 25A and 18 VOC (volatile organic compounds), and EPA Method 320 or 323 (formaldehyde). Supplemental evaluations to permit assessment of mass emission rates for units with appropriate sampling ports, will include EPA Method 1 (or 1A) (sampling port location, number of traverse points) and Method 2 (or 19) (Stack Gas Flow Rate), EPA Method 3 (Stack Gas Molecular Weight), ~~and~~ EPA Method 4 (of Method 320) (moisture content), and EPA Method 5 (particulate matter).

4. Standby and diagnostic testing includes any standby time and diagnostic testing services associated with and can be performed with the principle test methods in 3.2 B.3. above.

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TECHNICAL SPECIFICATIONS

**AIR EMISSION TESTING**

3.

C. Reporting

C.

1. After completion of the required testing the successful bidder shall provide the following:
  - a. A draft air compliance test report, including as a minimum, the information required by Rule 62-297.310(8)(c) 1 through 21 of the Florida Administrative Code (F.A.C.) shall be provided to the Miami-Dade Water and Sewer Department as soon as practical but no later than twenty-eight (28) days after the last sampling run of each test is completed.
  - b. Upon receipt of approval and completion of any corrections and modifications to the draft air compliance report noted by the Miami-Dade Water and Sewer Department, a minimum of one (1) final air compliance emissions testing report, or an electronic final copy in an Adobe Acrobat portable document format of each required air compliance emissions test report shall be signed, and certified by the report preparer and provided delivered to the Miami-Dade Water & Sewer Department representative, 3071 SW 38<sup>th</sup> Avenue, Room 554-3, Miami, FL 33146-1520, as soon as practical but no later than thirty-five (35) days after the last sampling run of each test is completed.

The authorized Responsible Official or a Designated Responsible Official of the Miami Dade Water and Sewer Department will sign and file the final report with the State of Florida DEP on the results of each test. If the State of Florida, DEP, determines the test report requires additional information or corrections, or the test were improperly conducted or improperly computed, additional corrected report pages or complete reports shall be provided to the Miami-Dade Water and Sewer Department for submittal to the State of Florida DEP at no additional cost to the County.

D. Mobilization/Demobilization

Only one mobilization and demobilization cost will be permitted per request to conduct emissions testing at specific location (facility) over a continuous period, no matter how many emission units (engines, kilns, etc.) are included in the request to tested. The costs should include personnel, equipment transportation and set up and breakdown costs to and from the facility from the vendors location as well as costs for instruments, equipment, expendable materials or anything necessary to complete the testing services.

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**AIR EMISSION TESTING**

**3.3 LIST OF LOCATIONS AS FOLLOWS:**

- 1. Hialeah/Preston Water Treatment Plant  
700 West 2<sup>nd</sup> Avenue, Hialeah, FL 33010  
Facility Identification No. 0250281

Mobilization and Demobilization services will be required.

Types of Air emission testing required at this location:

- a. Lime Recalcining Plant # 1: PM (particulate matter) emissions, EPA method 1 thru 5, NOx emissions, EPA method 7E and visible emissions kiln, silo, exhaust condensate drain vent and diffusers, EPA method 9. Testing is currently required annually.
- b. Diesel Engine Driven Emergency Generator Sets: NOx Emissions, EPA Method 7E and Visible Emissions, EPA Method 9. Testing is currently required annually.
- e. Diesel Engine Driven Generator Sets: Simultaneous measurement of the O2 (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O2 (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. In the event that any units are reconstructed and re-categorized to non-emergency use, this performance testing may be required semiannually after initial testing.

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**SECTION 3**  
**TECHNICAL SPECIFICATIONS**

**AIR EMISSION TESTING**

**2. Alexander Orr, Jr. Water Treatment Plant**

6800 SW 87 Avenue, Miami, FL 33173  
Facility Identification Number 0250314

Mobilization and Demobilization services will be required.

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Types of air emission testing required at this location:

- a. Lime Recalcining Plant # 2: PM (particulate matter) emissions, EPA method 1 thru 5, NOx emissions, EPA method 7E and visible emissions kiln, silo, exhaust condensate drain vent and diffusers, EPA method 9. Testing is currently required annually.
- b. Natural Gas Engine Driven High Service Water Pumps: NOx emissions, EPA method 7E and visible emissions, EPA method 9. Testing is currently required only at the request of the FDEP and other regulatory agencies.
- c. Natural Gas Engine Driven High Service Water Pumps: Simultaneous measurement of the O2 (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O2 (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. This performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.
- d. Diesel Engine Driven Emergency and Standby Generator Sets: NOx Emissions, EPA method 7E and visible emissions, EPA Method 9. Testing is currently required annually.
- e. Diesel Engine Driven Generator Sets: Simultaneous measurement of the O2 (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O2 (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. In the event that any units are reconstructed and re-categorized to non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.

**3. Central District Wastewater Treatment Plant**

2575 Rickenbacker Causeway on Virginia Key, Miami, FL 33149  
Facility Identification Number 0250476

Mobilization and Demobilization services will be required.

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Types of air emission testing required at this location:

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**AIR EMISSION TESTING**

- a. Digester Gas Engine Driven Cogenerator Sets: stack gas flow rate, EPA Method 1 and 2; stack gas molecular weight, EPA method 3; moisture content, EPA method 4; NOx emission, EPA method 7E and visible emissions, EPA method 9. Testing is currently required annually.
- b. Digester Gas Engine Driven Cogenerator Sets: Simultaneous measurement of the O<sub>2</sub> (oxygen) and CO (carbon monoxide) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O<sub>2</sub> (dry basis) in the exhaust. In the event that any units are reconstructed, replaced, or new units added, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.
- c. Digester Gas Engine Driven Cogenerator Sets: Select the sampling port location and the number of traverse points, using Method 1 or 1A of 40 CFR part 60, appendix A § 63.7(d)(1)(i); determine exhaust flow rate using Method 2 or 19 of 40 CFR part 60; moisture content using Method 4 of 40 CFR part 60, appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03; Simultaneous measurement of O<sub>2</sub> (oxygen) using Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522-00m (2005); and VOC (volatile organic compounds), using Methods 25A and 18 of 40 CFR part 60, appendix A, Method 25A with the use of a methane cutter as described in 40 CFR 1065.265, Method 18 of 40 CFR part 60, appendix A, Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03 to determine the VOC concentrations corrected to 15 percent O<sub>2</sub> of the emissions. Results of this test consist of the average of three 1-hour or longer testing runs. In the event that any units are reconstructed, replaced, or new units added, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.
- d. Diesel Engine Driven Emergency Generator Sets: NOx emissions, EPA method 7E and visible emission, EPA method 9. Testing is currently required annually.
- e. Diesel Engine Driven Generator Sets: Simultaneous measurement of the O<sub>2</sub> (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O<sub>2</sub> (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. In the event that any units are reconstructed and re-categorized to non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.

**4. South District Wastewater Treatment Plant**

8950 SW 232<sup>nd</sup> Street, Miami, FL 33190  
Facility Identification Number 0250520

Mobilization and Demobilization services will be required.

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Types of air emission testing required at this location:

- a. Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets: Stack gas flow rate, EPA method 1 and 2; stack gas molecular weight, EPA method 3; moisture content, EPA method 4; NOx emissions, EPA method 7E and visible emissions, EPA method 9. Testing is currently required annually. Note: An Air Construction Permit has been issued for two of the three existing engine driven cogenerator sets to be removed and for four new engine driven cogeneration sets to be added at this location.
- b. Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets: Simultaneous measurement of the O2 (oxygen) and CO (carbon monoxide) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O2 (dry basis) in the exhaust. Note: This performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing for the four new engine driven cogeneration sets to be added at this facility. This performance testing may also be required in the event that any engine driven cogeneration units are reconstructed, replaced, or new units added.
- c. Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets: Select the sampling port location and the number of traverse points, using Method 1 or 1A of 40 CFR part 60, appendix A § 63.7(d)(1)(i); determine exhaust flow rate using Method 2 or 19 of 40 CFR part 60; moisture content using Method 4 of 40 CFR part 60, appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03; Simultaneous measurement of O2 (oxygen) using Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522-00m (2005); and VOC (volatile organic compounds), using Methods 25A and 18 of 40 CFR part 60, appendix A, Method 25A with the use of a methane cutter as described in 40 CFR 1065.265, Method 18 of 40 CFR part 60, appendix A, Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03 to determine the VOC concentrations corrected to 15 percent O2 of the emissions. Results of this test consist of the average of three 1-hour or longer testing runs. Note: This performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing for the four new engine driven cogeneration sets to be added at this facility. This performance testing may also be required in the event that any engine driven cogeneration units are reconstructed, replaced, or new units added.
- d. Diesel Engine Driven Emergency Generator Sets: NOx emissions, EPA method 7E and visible emissions, EPA Method 9. Note: Currently, this annual testing is only required when an emission unit is operated more than 400 hours in a year and prior to permit renewal.
- e. Diesel Engine Driven Generator Sets: Simultaneous measurement of the O2 (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O2 (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. Note: In the event that any units are reconstructed and re-categorized from

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**AIR EMISSION TESTING**

emergency to non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.

**5. North District Wastewater Treatment Plant**

2575 NE 156 Street, North Miami, FL 33160  
8950 SW 232<sup>nd</sup> Street, Miami, FL 33190  
Facility Identification Number 0250600

Mobilization and Demobilization services will be required.

Types of air emission testing required at this location:

- a. Diesel Engine Driven Emergency Generator Sets: NOx emissions, EPA method 7E and visible emissions, EPA method 9. Currently annual testing is only required when an emission unit is operated more than 400 hours in a year and prior to permit renewal.
- b. Diesel Engine Driven Generator Sets: Measurement of the O2 (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the percent reduction of CO concentrations of final emissions and percent reduction achieved by the control device. Note: In the event that any units are reconstructed and re-categorized from emergency to non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.

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**6. Sewage Pump Station Number One (4th Street)**

390 NW North River Drive, Miami, Florida, 33128-1626  
8950 SW 232<sup>nd</sup> Street, Miami, FL 33190  
Facility Identification Number 0250767

Mobilization and Demobilization services will be required.

0250600

Types of air emission testing required at this location::

- a. Diesel Engine Driven Sewage Pumps: NOx emissions, EPA method 7E and visible emissions, EPA method 9. Currently testing is only required at request of the FDEP and other regulatory agencies.
- b. Diesel Engine Driven Sewage Pumps: Simultaneous measurement of the O2 (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O2 (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. This performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.

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**AIR EMISSION TESTING**

**7. All Other Miami-Dade Water and Sewer Department Treatment Plants and various Water Pumping and Sewage Transmission Facilities**

Mobilization and Demobilization services will be required.

Types of air emission testing required:

- a. Engine Driven Pump and Generator Sets: Visible emissions, EPA method 9. Currently testing is only required at request of the Federal Department of Environmental Protection (FDEP) and other regulatory agencies.
- b. Engine Driven Pump and Generator Sets: NOx emissions, EPA method 7E and visible emissions, EPA method 9. Currently testing is only required at the request of the Federal Department of Environmental Protection (FDEP) and other regulatory agencies.
- c. Engine Driven Pump and Generator Sets: Simultaneous measurement of the O<sub>2</sub> (oxygen) and CO (carbon monoxide) at the inlet(s) and outlet(s) of the control device (oxidation catalyst) using ASTM D6522-00 (2005 or later as incorporated by reference in Title 40 Part 60 Section 63.14) or EPA Method 10 to determine the CO concentrations corrected to 15 percent O<sub>2</sub> (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. In the event that any units are reconstructed and re-categorized to non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.
- d. Four Stroke Rich Burn (4SRB) Engine Driven Pump and Generator Sets: Select the sampling port location and the number of traverse points, using Method 1 or 1A of 40 CFR part 60, appendix A § 63.7(d)(1)(i); Simultaneous measurement at the inlet(s) and outlet(s) of the control device (Non-Selective Catalytic Reduction - NSCR) of O<sub>2</sub> (oxygen) using Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522-00m (2005); moisture content using Method 4 of 40 CFR part 60, appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03; and formaldehyde, using Method 320 or 323 of 40 CFR part 63, appendix A; or ASTM D6348-03, provided in ASTM D6348-03 Annex A5 (Analyte Spiking Technique) to determine the formaldehyde concentrations corrected to 15 percent O<sub>2</sub> (dry basis) in the inlet and outlet emissions of the control device and percent reduction achieved by the control device. Results of this test consist of the average of three 1-hour or longer testing runs. Note: In the event that any units are ~~reconstructed and re-categorized from emergency to~~ non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.
- e. Four Stroke Rich Burn (4SRB) Engine Driven Pump and Generator Sets: Select the sampling port location and the number of traverse points, using Method 1 or 1A of 40 CFR part 60, appendix A § 63.7(d)(1)(i); Simultaneous measurement at the inlet(s) and outlet(s) of the control device (Non-Selective Catalytic Reduction - NSCR) of O<sub>2</sub> (oxygen) using Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522-00m (2005); moisture content using Method 4 of 40 CFR part 60,

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**AIR EMISSION TESTING**

appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03; and Total Hydrocarbons (THC), using Method 25A of 40 CFR part 60, appendix A, to determine the THC concentrations corrected to 15 percent O<sub>2</sub> (dry basis) in the inlet and outlet emissions of the control device and the percent reduction achieved by the control device. Results of this test consist of the average of three 1-hour or longer testing runs. Note: In the event that any units are ~~reconstructed and re-~~categorized from emergency to non-emergency use, this performance testing may be required every 8,760 hours of engine operation or every 3 years, whichever comes first after initial testing.

~~3.4 Prices for testing services shall not include Mobilization and Demobilization cost for instruments, equipment and expendable materials.~~

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SECTION 4  
BID SUBMITTAL FOR:  
**AIR EMISSION TESTING**

FIRM NAME: \_\_\_\_\_

Reference:	Summarized Requirement:	Initial as Completed
Section 2, paragraph 2.3 a	Vendors <del>personnel providing testing service</del> must hold <u>and maintain</u> a <del>valid</del> <u>current</u> Visible Emissions Evaluator Certificate issued by a Training Provider meeting requirements of subsections 62-297.320(2)-(8), of the Florida Administrative Code (F.A.C.) Department of Environmental Protection (FDEP). <u>A copy is attached.</u>	_____
Section 2, paragraph 2.3 b Submit reference/s as proof the vendor has the required experience:		
<p>Reference #1: _____ Facility Customer's _____ company name: _____</p> <p>Facility ID #: _____</p> <p>Contact person's name: _____</p> <p>Title: _____</p> <p>Facility Address: _____</p> <p>Telephone number: _____</p>		
<p>Reference II: Customer's company name: _____</p> <p>Contact person's name: _____</p> <p>Title: _____</p> <p>Address: _____</p> <p>Telephone _____ number: _____ Reference #2: _____ Facility name: _____</p> <p>Facility ID #: _____</p> <p>Contact person's name: _____</p>		

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SECTION 4  
BID SUBMITTAL FOR:  
**AIR EMISSION TESTING**

FIRM NAME: \_\_\_\_\_

Title: _____
Facility Address: _____
Telephone number: _____

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FIRM NAME: \_\_\_\_\_

The costs listed below will include all fees required to ~~We propose to~~ furnish all labor, licenses, and incidentals and anything necessary to conduct air emission testing at:  
**1. Hialeah/Preston Water Treatment Plant** all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
1.	5	<del>Mobilization and Demobilization</del> cost for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
2.	5	<del>Lime Recalcining Plant # 1: PM (particulate matter) emissions, in accordance with Section 3, paragraph 3.3 1. a.</del>	\$ _____
3.	35	<del>Diesel Engine Driven Emergency Generator Sets, in accordance with Section 3, paragraph 3.3 1. b.</del>	\$ _____
4.	7	<del>Diesel Engine Driven Generator Sets, in accordance with Section 3, paragraph 3.3 1. c.</del>	\$ _____

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The costs listed below will include all fees required to furnish all labor, licenses, incidentals and anything necessary to conduct air emission testing at:  
~~We propose to furnish all labor, licenses and incidental necessary to conduct air emission testing at~~  
**2. Alexander Orr, Jr. Water Treatment Plant** all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
5.	5	<del>Mobilization and Demobilization</del> cost for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
6.	5	<del>Lime Recalcining Plant # 2, (PM, NOx emissions) in accordance with Section 3, paragraph 3.3 2 a.</del>	\$ _____
7.	4515	<del>Natural Gas Engine Driven High Service Water Pumps, (NOx, VE, VE emissions) in accordance with Section 3, paragraph 3.3 2 b.</del>	\$ _____
8.	3015	<del>Natural Gas Engine Driven High Service Water Pumps, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3 2 c.</del>	\$ _____
9	35	<del>Diesel Engine Driven Emergency and Standby Generator Sets, (NOx, VE, VE emissions) in accordance with Section 3, paragraph 3.3 2 d.</del>	\$ _____
10	15	<del>Diesel Engine Driven Generator Sets, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3 2 e.</del>	\$ _____

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FIRM NAME: \_\_\_\_\_

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Note: Items highlighted were added to Section 3 per revisions of February 5, from Richard O'Rourke - no estimates were provided.

SECTION 4  
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**AIR EMISSION TESTING**

FIRM NAME: \_\_\_\_\_

The costs listed below will include all fees required to furnish all labor, licenses, incidentals and anything necessary to conduct air emission testing at ~~We propose to furnish all labor, licenses and incidentals necessary to conduct air emission testing at~~

**3. Central District Wastewater Treatment Plant** all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
<del>11.</del>	<del>5</del>	<del>Mobilization and Demobilization cost for instruments, equipment and expendable materials required to complete the testing services.</del>	<del>\$ _____</del>
<del>12.</del>	<del>420</del>	<del>Digester Gas Engine Driven Cogenerator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.3 a.</del>	<del>\$ _____</del>
<del>13.</del>	<del>10</del>	<del>Digester Gas Engine Driven Cogenerator Sets, (CO, O2, and VOC emissions) in accordance with Section 3, paragraphs 3.3.3 b. and 3.3.3 c.</del>	<del>\$ _____</del>
<del>12.</del>	<del>10</del>	<del>Digester Gas Engine Driven Cogenerator Sets, in accordance with Section 3, paragraph 3.3.3 c.</del>	<del>\$ _____</del>
<del>13-14.</del>	<del>45</del>	<del>Diesel Engine Driven Emergency Generator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.3 d.</del>	<del>\$ _____</del>
<del>14-15.</del>	<del>5</del>	<del>Diesel Engine Driven Generator Sets, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3.3 e.</del>	<del>\$ _____</del>

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Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
11.	5	Mobilization and Demobilization cost for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
12.	20	Digester Gas Engine Driven Cogenerator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.3 a.	\$ _____
13.	10	Digester Gas Engine Driven Cogenerator Sets, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3.3 b.	\$ _____
14.	10	Digester Gas Engine Driven Cogenerator Sets, (VOC emissions) in accordance with Section 3, paragraph 3.3.3 c.	\$ _____
15.	45	Diesel Engine Driven Emergency Generator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.3 d.	\$ _____
16.	5	Diesel Engine Driven Generator Sets, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3.3 e.	\$ _____

**SECTION 4  
 BID SUBMITTAL FOR:  
 AIR EMISSION TESTING**

FIRM NAME: \_\_\_\_\_

The costs listed below will include all fees required to furnish all labor, licenses, incidentals and anything necessary to conduct air emission testing at ~~We propose to furnish all labor, licenses and incidental necessary to conduct air emission testing at~~  
**4. South District Wastewater Treatment Plant** all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
<del>1516.</del>	5	<del>Mobilization and Demobilization cost for instruments, equipment and expendable materials required to complete the testing services.</del>	\$ _____
<del>1617.</del>	45	<del>Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.4 a.</del>	\$ _____
<del>1718.</del>	12	<del>Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets, (CO, O2, VOC emissions) in accordance with Section 3, paragraphs 3.3.4 b. and 3.3.4 c.</del>	\$ _____
<del>18.</del>	12	<del>Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets, in accordance with Section 3, paragraph 3.3.4 c.</del>	\$ _____
19.	4826	Diesel Engine Driven Emergency Generator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.4 d.	\$ _____
20.	6	Diesel Engine Driven Generator Sets, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3.4 e.	\$ _____

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Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
17.	5	Mobilization and Demobilization cost for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
18.	5	Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.4 a.	\$ _____
19.	12	Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets, (CO, O2, emissions) in accordance with Section 3, paragraph 3.3.4 b.	\$ _____
20.	12	Digester/Landfill/Natural Gas Engine Driven Cogenerator Sets, (VOC emissions) in accordance with Section 3, paragraph 3.3.4 c.	\$ _____
21.	26	Diesel Engine Driven Emergency Generator Sets, (NOx, VE emissions) in accordance with Section 3, paragraph 3.3.4 d.	\$ _____
22.	6	Diesel Engine Driven Generator Sets, (CO, O2 emissions) in accordance with Section 3, paragraph 3.3.4 e.	\$ _____

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**SECTION 4  
BID SUBMITTAL FOR:  
AIR EMISSION TESTING**

FIRM NAME: \_\_\_\_\_

The costs listed below will include all fees required to furnish all labor, licenses, incidentals and anything necessary to conduct air emission testing at ~~We propose to furnish all labor, materials, licenses and incidental necessary to conduct air emission testing at~~ **5. North District Wastewater Treatment Plant** all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
231.	5	<del>Mobilization and Demobilization cost</del> for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
242.	6	<del>Diesel Engine Driven Emergency Generator Sets, (NOx, VE, VE emissions)</del> in accordance with Section 3, paragraph 3.3 5 a.	\$ _____
252.	3	<del>Diesel Engine Driven Generator Sets, (CO, O2 emissions)</del> in accordance with Section 3, paragraph 3.3 5 b.	\$ _____

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The costs listed below will include all fees required to furnish all labor, licenses, incidentals and anything necessary to conduct air emission testing at: ~~We propose to furnish all labor, licenses and incidental necessary to conduct air emission testing at~~ **6. Sewage Pump Station Number One (4thStreet)** all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
264.	5	<del>Mobilization and Demobilization cost</del> for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
275.	6	<del>Diesel Engine Driven Sewage Pumps, (NOx, VE, VE emissions)</del> in accordance with Section 3, paragraph 3.3 6 a.	\$ _____
286.	24	<del>Diesel Engine Driven Sewage Pumps, (CO, O2 emissions)</del> in accordance with Section 3, paragraph 3.3 6 b.	\$ _____

MIAMI-DADE COUNTY

BID NO.: \*

**SECTION 4  
BID SUBMITTAL FOR:  
AIR EMISSION TESTING**

FIRM NAME: \_\_\_\_\_

We propose to furnish all labor, licenses and incidentals necessary to conduct air emission testing at The costs listed below will include all fees required to furnish all labor, licenses, incidentals and anything necessary to conduct air emission testing at:

7. Other Miami-Dade Water and Sewer Department Treatment Plants and Various Water Pumping and Sewage Transmission Facilities, all in accordance with bid provisions and specifications as follows:

Item #	Estimated Number of Units for the Term of the Contract	Description	Price Per Service
<del>297.</del>	1	<u>Mobilization and Demobilization cost</u> for instruments, equipment and expendable materials required to complete the testing services.	\$ _____
<del>3028.</del>	3	<u>Engine Driven Pump and Generator Sets, (VE only)</u> in accordance with Section 3, paragraph 3.3 7 a.	\$ _____
<del>3129.</del>	3	<u>Engine Driven Pump and Generator Sets, (NOx, VE emissions)</u> in accordance with Section 3, paragraph 3.3 7 b.	\$ _____
<del>320.</del>	3	<u>Engine Driven Pump and Generator Sets, (CO, O2 emissions)</u> in accordance with Section 3, paragraph 3.3 7 c.	\$ _____
<del>334.</del>	3	<u>Four Stroke Rich Burn (4SRB) Engine Driven Pump and Generator Sets, (formaldehyde emissions)</u> in accordance with Section 3, paragraph 3.3 7 d.	\$ _____
<del>342.</del>	3	<u>Four Stroke Rich Burn (4SRB) Engine Driven Pump and Generator Sets, (THC emissions)</u> in accordance with Section 3, paragraph 3.3 7 e.	\$ _____
<del>353.</del>	75	<u>Standby and Diagnostic Testing: Emission Testing Methods</u>	\$ _____

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Note: Item highlighted was added to Section 4, per revisions of February 5, from Richard O'Rourke. Technical Specifications not included on Section 4.

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