

Office of School Facilities  
Jaime G. Torrrens, Chief Facilities Officer

**SUBJECT: COMMISSIONING OF BUREAU VERITAS NORTH AMERICA, INC; MACTEC ENGINEERING AND CONSULTING, INC; NUTTING ENGINEERS OF FLORIDA, INC; NODARSE & ASSOCIATES, INC; AND PROFESSIONAL SERVICES INDUSTRIES, INC FOR GEOTECHNICAL, CONSTRUCTION MATERIALS TESTING AND ENVIRONMENTAL ASSESSMENT CONSULTING SERVICES**

**COMMITTEE: FACILITIES AND CONSTRUCTION REFORM**

**LINK TO STRATEGIC PLAN: IMPROVE CONSTRUCTION SERVICES**

On August 1, 2007, the Board approved the issuance of a Request for Qualifications (RFQ) for geotechnical, construction materials testing and environmental assessment consulting services. The RFQ was advertised and responses were evaluated by staff.

Eleven (11) firms responded to the RFQ and eight (8) firms were shortlisted and ranked by staff. Seven (7) firms were interviewed by the A/E Selection Committee. One (1) firm declined to interview. Of the firms that interviewed, the following top ranked five (5) firms have been selected:

1. Bureau Veritas North America, Inc. (BVNA)
2. MACTEC Engineering and Consulting, Inc. (MACTEC)
3. Nutting Engineers of Florida, Inc. (Nutting)
4. Nordarse & Associates, Inc. (Nodarse)
5. Professional Service Industries, Inc. (PSI)

The Selection Committee was composed of the following individuals:

<u>Name</u>	<u>Representing</u>
Mr. Ralph Cruz-Munoz, Director I	Superintendent of Schools
Mr. Eric Laventure, Executive Director	Chief Facilities Officer
Mr. Albert Poza, Senior Project Manager	Office of School Facilities - Construction
Ms. Carolina Maestre, Planning Coordinator	Office of School Facilities - Planning
Mr. Greg Mohr, Project Manager II	Office of School Facilities - Maintenance
Mr. Octavio Suárez, Analyst III	Office of School Facilities - A/E Selection (non-voting)

Negotiations with all of the above firms have been successfully completed, as follows:

The negotiated fees will be paid on a unit price basis for various geotechnical, construction materials testing and environment assessment services for a four-year term, with the second, third and fourth year at the Board's option, commencing on July 15, 2008 through July 14, 2012. Each option year must be approved by the Board prior to its commencement under the same terms and conditions. The negotiated unit price fees agreed upon are attached (i.e.: Fee Schedules "A and "B").

Work will be assigned on the basis of the firm's workload, qualifications for the task and performance on previous assignments.

### TERMS & CONDITIONS

- A. The agreements provide for indemnification and hold harmless provisions to the Board and its members, officials, officers and employees by the consultant due to the consultant's negligent acts.
- B. Professional Liability Insurance, \$1,000,000 minimum.
- C. Worker's Compensation Insurance as require by Florida Statutes.
- D. Commercial General Liability in an amount no less than \$500,000 single limit per occurrence for bodily injury and property damage.
- E. Automobile Liability Insurance covering all owned, non-owned, and hired vehicles used in connection with the operations of the firm(s), in an amount not less than \$500,000 combined single limit per occurrence for bodily injury and property damage.
- F. Contractor's Pollution Liability Insurance, \$2,000,000 minimum.
- G. The agreement may be terminated by the Board, with or without cause, upon thirty (30) days written notice to the consultant. The consultant may terminate the agreement, with cause only, upon thirty (30) days written notice to the Board.
- H. The Board is under no obligation to assign a minimum number of projects or any dollar value to any one consultant under the agreements.
- I. The firms have agreed to the terms and conditions of the agreement and will commence services upon commissioning.

PRIOR COMMISSIONING & PERFORMANCE EVALUATIONS:

- The Board previously commissioned BVNA (D/B/A U.S. Laboratories Inc.) for the following contracts within the last three years:

Building Code Consultant Review and Inspection Services

Date Commissioned: August 2, 2006

The most recent overall performance evaluation score issued by staff to BVNA was for the quarter ending March 2008, based on a scale of 1-5, and the firm received an average score of 4.44 for consulting services.

- The Board previously commissioned MACTEC (formerly known as Law Engineering and Environmental Services, Inc.) for the following contracts within the last three years:

Term Contract:

Geotechnical, Construction Materials Testing and Environmental Assessment Services

Date Commissioned: March 19, 2003

Contract Extension: March 12, 2008

The most recent overall performance evaluation score issued by staff to MACTEC was for the quarter ending March 2008, based on a scale of 1-5, and the firm received an average score of 3.84 for consulting services.

- The Board previously commissioned Nutting for the following contracts within the last three years:

Term Contract:

Geotechnical, Construction Materials Testing and Environmental Assessment Services

Date Commissioned: March 19, 2003

Contract Extension: March 12, 2008

- The most recent overall performance evaluation score issued by staff to Nutting was for the quarter ending March 2008, based on a scale of 1-5, and the firm received an average score of 4.04 for consulting services.
- The Board has not commissioned Nodarse for any contracts within the last three years. There is no performance evaluation data available for Nodarse.
- The Board previously commissioned PSI for the following contracts within the last three years:

Term Contract:

Geotechnical, Construction Materials Testing and Environmental Assessment Services

Date Commissioned: March 19, 2003  
Contract Extension: March 12, 2008

The most recent overall performance evaluation score issued by staff to PSI was for the quarter ending March 2008, based on a scale of 1-5, and the firm received an average score of 3.95 for consulting services.

#### PRINCIPAL / OWNER

- The Principal/Owner for BVNA responsible to the Board is Pedro Guimaraes. The firm is located at 10125 NW 116 Way Suite 18, Miami, FL 33178.
- The Principal/Owner for MACTEC responsible to the Board is Richard A. Minichiello. The firm is located at 5845 NW 158 Street, Miami Lakes, FL 33014.
- The Principal/Owner for Nutting responsible to the Board is Richard Wohlfarth. The firm is located at 2051 N.W. 112 Avenue, Suite 126, Miami, FL 33172.
- The Principal/Owner for Nodarse responsible to the Board is Leila Nodarse. The firm is located at 16200 NW 159 Avenue, Suite 106, Miami, FL 33014.
- The Principal/Owner for PSI responsible to the Board is John M. Pulsifer, P.E. The firm is located at 7950 NW 64 Street, Miami, FL 33166.

**RECOMMENDED:** That The School Board of Miami-Dade County, Florida:

- a) Commission the firms of Bureau Veritas North America, Inc., MACTEC Engineering and Consulting, Inc., Nutting Engineers of Florida, Inc., Nodarse & Associates, Inc. and Professional Service Industries, Inc., to perform geotechnical, construction materials testing and environment assessment consulting services for a term of four (4) years, commencing July 15, 2008 through July 14, 2012, with the second, third, and fourth year at the Board's option, based on the negotiated unit prices as included in Fee Schedules "A" and "B"; and
- b) All other terms and conditions as set forth in the body of the agenda and in the agreement.

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# GEOTECHNICAL, CONSTRUCTION MATERIALS TESTING & ENVIRONMENT ASSESSMENT SERVICES

JULY 15, 2008

No.	<b>FEE SCHEDULE A</b> (Geotech / Material Testing)	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
1.0	Project Engineer, per hour	75.00	75.00	70.00	75.00	75.00
2.0	Registered Professional Engineer, per hour	87.00	87.00	85.00	87.00	87.00
3.0	Certified Radon Specialist, per hour	73.00	73.00	73.00	73.00	73.00
4.0	Principal Eng., PE, per hour	100.00	100.00	100.00	100.00	100.00
5.0	Drafting/Clerical Services, per hour	35.00	35.00	35.00	35.00	35.00
6.0	Engineering Technician: (minimum 3 years of experience) Regular Time, per hour Overtime, per hour	33.00	33.00	33.00	33.00	33.00
		42.50	42.50	42.50	42.50	42.50
7.0	A.C.I. Certified Technician: (minimum 3 years of experience) Regular Time, per hour Overtime, per hour	40.00	40.00	37.50	40.00	40.00
		53.50	53.50	53.50	48.00	53.50
8.0	Senior Engineering Technician, 2 hours minimum (minimum 5 years of experience) Regular time, per hour Overtime, per hour	43.00	43.00	42.50	43.00	42.50
		53.50	53.50	52.00	53.50	53.50
9.0	Senior Engineering Technician to perform threshold inspection and/or inspection services, in accordance with the requirements of the Florida Building Code, such as ( 2 hours minimum): Concrete Batch Plan Inspection Asphalt Batch Plan Inspection Bolting Inspection (includes equipment) Galvanizing Inspection (does not include testing) Deck Mechanical Attachment Inspection Fire Proofing Inspection Visual Welding Inspection Regular time, per hour Overtime, per hour	50.00	50.00	47.00	50.00	50.00
		60.00	60.00	59.00	60.00	60.00

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9.1	Threshold Engineer P.E. Inspector Regular time, per hour Overtime, per hour	120.00 125.00	120.00 125.00	120.00 125.00	120.00 125.00	120.00 125.00
10.0	Mobilization for Drill Rigs	300.00	300.00	265.00	300.00	300.00
11.0	Inspection to Verify Specified Paints NDE Inspector regular time, per hour NDE Inspector overtime, per hour	53.00 70.00	53.00 70.00	53.00 70.00	53.00 70.00	53.00 68.00
12.0	Senior Engineering Technician to perform Paint Thickness Verification (including necessary equipment) 12.1 Wet Film Thickness Measurement, regular time, per hour 12.2 Wet Film Thickness Measurements, overtime, per hour	44.00 58.00	44.00 58.00	44.00 58.00	44.00 58.00	44.00 58.00
13.0	Inspector to perform Roofing Installation Inspection and to verify Specified Roofing Materials includes all required pull test and reports Regular time, per hour Overtime, per hour	60.00 60.00	60.00 60.00	60.00 60.00	60.00 60.00	60.00 60.00
14.0	Engineering Technician to perform Took Gage Measurements Regular time, per hour Overtime, per hour	44.50 58.00	44.50 58.00	44.50 58.00	44.50 58.00	44.50 58.00
15.0	Soil test Borings with Conventional truck equipment, (ASTM D-1586): 15.1 0 to 50 foot depth, per lineal foot (minimum 50 ft boring per trip) 15.2 50 to 100 foot depth, per lineal foot	12.00 13.00	12.00 13.00	11.50 12.75	11.50 12.75	11.50 12.75
16.0	Auger Boring, per lineal foot	8.00	8.00	7.50	7.50	7.50
17.0	Undisturbed samples of soft soils obtained in connection with soil test borings (ASTM D-1587), each sample	70.00	70.00	70.00	70.00	70.00
18.0	Extra Standard Penetration Test Sample, per sample	17.00	17.00	17.00	17.00	17.00
19.0	Rock Coring, NX size, 0 to 50 foot depths, per lineal foot 19.1 0 to 50, per lineal foot 19.2 50 to 100, per lineal foot	NX2" 22.00 30.00 NX4" 30.00 40.00	NX2" 22.00 30.00 NX4" 30.00 40.00	NX2" 22.00 30.00 NX4" 30.00 40.00	NX2" 22.00 30.00 NX4" 30.00 40.00	NX2" 22.00 30.00 NX4" 30.00 40.00

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20.0	Setting 3-inch Diameter casing (NW) when required, to stabilize hole when drilling through soft soils or rock formations, per foot	5.50	5.50	5.50	5.50	5.50
21.0	Setting 6-inch Diameter casing (SW) per linear foot Tripod mounted boring (0-20 feet) per hour (includes personnel)	7.75 110.00	7.75 110.00	7.75 110.00	7.75 110.00	7.75 110.00
22.0	Percolation test per South Florida Water Management District (S.F.W.M.D.), (minimum 3 tests per trip), per test (includes mobilization/rig/operator/crew & report)	290.00	290.00	267.50	290.00	275.00
23.0	Double Ring Infiltration Test, per test (minimum 2 tests per trip)	330.00	330.00	330.00	330.00	330.00
24.0	Concrete cores (sampling) Includes mobilization/technician time & travel time	120.00	120.00	120.00	120.00	120.00
	24.1 One sample	80.00	80.00	80.00	80.00	80.00
	24.2 Two or more, per sample					
25.0	Drilled concrete cores, curing and compression testing only, each	22.00	22.00	22.00	22.00	22.00
26.0	Extra Slump Test, each	14.00	14.00	14.00	14.00	14.00
27.0	Technician to job site to sample fresh concrete (including light weight), make slump test, mold minimum set of 5 concrete cylinders, cure, tests and report, including reserves as follows:	15.00	15.00	15.00	15.00	15.00
	27.1 One set per trip, per cylinder	15.00	15.00	15.00	15.00	15.00
	27.2 Two sets per trip, per cylinder	13.50	13.50	13.50	13.50	13.50
	27.3 Three or more sets per trip, per cylinder					
28.0	Mobilization (cylinder recovery)	25.00	25.00	25.00	25.00	25.00
29.0	Mortar Sampling and Strength Testing Production and Strength Testing Mortar Cubes (ASTM C-780), per cube	16.00	16.00	16.00	16.00	16.00
30.0	Stucco Sampling and Strength Testing Production and Strength Testing Mortar Cubes, per cube	13.00	13.00	13.00	13.00	13.00
31.0	Stucco Alkalinity Prior to Painting Sampling and Testing of Stucco, per sample	43.00	43.00	43.00	43.00	43.00
32.0	Natural Moisture Content, soil samples (ASTM D-2216), each	15.00	15.00	15.00	15.00	15.00

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33.0	Grain Size Determination 33.1 Percent Passing No. 200 Sieve by washing, each 33.2 Wash No. 200 Sieve (ASTM D-1140), each	26.00	26.00	26.00	26.00	26.00
34.0	Determination of Organic Content, each	34.00	34.00	34.00	34.00	34.00
35.0	Determination of Organic Content, each	36.00	36.00	36.00	36.00	36.00
36.0	CBR or LBR: Including laboratory compaction test (ASTM D-183) or AASHTO T-193, or Florida D.O.T.), each	280.00	280.00	280.00	280.00	280.00
36.0	Laboratory Compaction Test (ASTM D-1557 or AASHTO T-180):	85.00	85.00	85.00	85.00	85.00
36.1	ASTM D-698 or AASHTO T-99, per test	95.00	95.00	95.00	95.00	95.00
36.2	ASTM D-1557 or AASHTO T-180, per test	28.00	28.00	25.00	28.00	28.00
37.0	Density Tests:	121.00	121.00	121.00	121.00	121.00
37.1	In-place density (minimum 3 tests per trip), per test	34.00	34.00	34.00	34.00	34.00
37.2	Relative density, per test	42.00	42.00	42.00	42.00	42.00
38.0	Laboratory analysis of soil samples for pH, soluble salts, nitrogen, phosphorous, potassium, calcium, magnesium, iron, manganese, zinc, copper, boron, and sulfur, per sample.	35.00	35.00	35.00	35.00	35.00
39.0	Same as above (item 38.0) with organic soils and/or turf, per sample	30.00	30.00	30.00	30.00	30.00
40.0	Same as (item 38.0) with fertilization or recommendation, per sample	70.00	70.00	70.00	70.00	70.00
41.0	Nematode analysis, per sample					
42.0	Asphalt Thickness Tests Coring and thickness measurements not including patching, per core, 3 cores minimum per trip					
43.0	<i>Not used and intentionally deleted.</i>					



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44.0	Stand-by time (in excess of ½ hour per boring) for reasons other than inclement weather or mechanical breakdown, includes operator with written confirmation from Owner. 44.1 Backhoe rental, for testing excavations (minimum 5 hours), per hour w/ operator (actual cost W/N.T.E. fee) 44.2 Track hoe rental, for testing excavations (minimum 5 hours), per hour w/ operator (actual W/N.T.E. fee) 44.3 Water truck rental, to perform seepage test trench (minimum 5 hours), per hour w/ operator (actual cost W/N.T.E. fee)	122.50 82.50 95.00 100.00	122.50 82.50 95.00 100.00	122.50 82.50 95.00 100.00	122.50 82.50 95.00 100.00	122.50 82.50 95.00 100.00
45.0	Concrete Block Testing ASTM C-90 45.1 Individual Blocks, per block 45.2 Prism, per test	30.00 125.00	30.00 125.00	30.00 125.00	30.00 125.00	30.00 125.00
46.0	Wind Up-Lift Field Test - (It includes a project engineer and engineering technician; Does not include Engineering/Report) 46.1 Two to four tests each 46.2 Five to ten tests, each 46.3 Over ten tests	330.00 270.00 240.00	330.00 270.00 240.00	330.00 270.00 240.00	330.00 270.00 240.00	330.00 270.00 240.00
47.0	Sprayed on Fireproofing Adhesion Tests, per test (minimum 3 tests) Sprayed on Fireproofing Density tests, per test (minimum 3 tests)	20.00 20.00	20.00 20.00	20.00 20.00	20.00 20.00	20.00 20.00
48.0	Moisture Content Test on Roof Core Samples, per sample	30.00	30.00	30.00	30.00	30.00
49.0	Stand by Time (per hour) due to Stand-by between site or contractor not ready for test	35.00	35.00	35.00	35.00	35.00
50.0	Vehicular Mileage (per mile) within Miami-Dade County	0.50	0.50	0.50	0.50	0.50
51.0	Ground Penetrating Radar G.P.R. (10 Ft. max. depth, Report included) 4HR. Min. (1/2 Day)	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00

**GEOTECHNICAL, CONSTRUCTION MATERIALS TESTING & ENVIRONMENT ASSESSMENT SERVICES**

JULY 15, 2008

No.	FEE SCHEDULE B (Geotech / Environmental)	UNIT	BUREAU VERITAS NORTH AMERICA INC.	MACTEC ENGINEERING & CONSULTING, INC.	MUTTING ENGINEERS OF FL, INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
<b>DIRECT LABOR</b>							
1.1	Principal / Corporate Manager	HR	100.00	100.00	100.00	100.00	100.00
1.2	Project Manager / Contract Manager	HR	85.00	85.00	85.00	85.00	85.00
1.3	Senior -Engineer, PE / Geologist, P.G.	HR	85.00	85.00	85.00	85.00	85.00
1.4	Senior - Hydrogeologist / Scientist	HR	85.00	85.00	85.00	85.00	85.00
1.5	Project - Engineer / Geologist/ Scientist	HR	73.00	73.00	73.00	73.00	73.00
1.6	Staff - Engineer /Geologist / Scientist	HR	65.00	65.00	65.00	65.00	65.00
1.7	Certified Industrial Hygienist	HR	92.50	92.50	92.50	92.50	92.50
1.8	Industrial Hygienist	HR	75.00	75.00	75.00	75.00	75.00
1.9	Accountant, Financial Mgr., CPA	HR	82.50	82.50	82.50	82.50	82.50
1.10	Word Processor	HR	35.00	35.00	35.00	35.00	35.00
1.11	Drafts Person	HR	35.00	35.00	35.00	35.00	35.00
1.12	Field Foreman	HR	50.00	50.00	50.00	50.00	50.00
	a. Normal time b. Overtime	HR	65.00	65.00	65.00	65.00	65.00
1.13	Field Technician /Equipment Operator	HR	35.00	35.00	35.00	35.00	35.00
	a. Normal time b. Overtime	HR	50.00	50.00	50.00	50.00	50.00
1.14	Laborer	HR	35.00	35.00	35.00	35.00	35.00
	a. Normal time b. Overtime	HR	50.00	50.00	50.00	50.00	50.00
1.15	Asbestos Inspector (AHERA Certified)	HR	50.00	50.00	50.00	50.00	50.00
	a. Normal time b. Overtime	HR	65.00	65.00	65.00	65.00	65.00
1.16	Expert Witness	HR	125.00	125.00	125.00	125.00	125.00
	a. Research b. Testimony	HR	175.00	175.00	175.00	175.00	175.00

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1.17	Florida-Licensed Asbestos Consultant a. Normal time b. Overtime	HR	85.00	85.00	85.00	85.00	85.00
1.18	Florida-Licensed Radon Measurement Technician a. Normal time b. Overtime	HR	100.00	100.00	100.00	100.00	100.00
1.19	Florida-Licensed Radon Measurement Specialist a. Normal time b. Overtime	HR	40.00	40.00	40.00	40.00	40.00
		HR	55.00	55.00	55.00	55.00	55.00
		HR	75.00	75.00	75.00	75.00	75.00
		HR	85.00	85.00	85.00	85.00	85.00
<b>STANDARD SERVICES</b>							
2.1	Phase I Environmental Site Assessment (per ASTM 1527-05)	EA	2,900.00	2,900.00	2,800.00	2,900.00	2,800.00
2.2	Phase I ESA (per ASTM 1527-05) for sites greater than 25 Acres	EA	3,300.00	3,300.00	3,200.00	3,300.00	3,200.00
2.3	<i>Not used and intentionally deleted</i>						
2.4	<i>Not used and intentionally deleted</i>						
2.5	<i>Not used and intentionally deleted</i>						
2.6	Test Pits only (up to 15 test pits)	EA	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
2.7	Test Pits only (up to 30 test pits)	EA	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00
2.8	Test Pits only (up to 50 test pits)	EA	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00
2.9	NEPA Environmental Assessment (Checklist)	EA	650.00	650.00	650.00	650.00	650.00
2.10	Threatened and Endangered Species Survey for sites less than 10 acres	EA	1,900.00	1,900.00	1,900.00	1,900.00	1,900.00
2.11	Threatened and Endangered Species Survey for sites greater than 10 acres	EA	2,900.00	2,900.00	2,900.00	2,900.00	2,900.00
2.12	<i>Not used and intentionally deleted</i>						
2.13	<i>Not used and intentionally deleted</i>						
2.14	Jurisdictional Wetland Delineation (0-5 Acres)	EA	3,800.00	3,800.00	3,800.00	3,800.00	3,800.00

No.	<b>FEE SCHEDULE B</b> (Geotech / Environmental)	UNIT	BUREAU VERITAS NORTH AMERICA INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL. INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
2.15	Jurisdictional Wetland Delineation (5-10 Acres)	EA	4,800.00	4,800.00	4,800.00	4,800.00	4,800.00
2.16	Jurisdictional Wetland Delineation (10-15 Acres)	EA	5,800.00	5,800.00	5,800.00	5,800.00	5,800.00
2.17	Jurisdictional Wetland Delineation (15-20) Acres	EA	7,800.00	7,800.00	7,800.00	7,800.00	7,800.00
2.18	Radon Survey with up to 35 samples (not including required duplicates and blanks)	EA	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00
2.19	Radon Survey with up to 75 samples (not including required duplicates and blanks)	EA	2,656.00	2,656.00	2,656.00	2,656.00	2,656.00
2.20	Radon Survey with up to 125 samples (not including required duplicates and blanks)	EA	3,800.00	3,800.00	3,800.00	3,800.00	3,800.00
2.21	Radon Survey with up to 150 samples ( not including required duplicates and blanks)	EA	4,800.00	4,800.00	4,800.00	4,800.00	4,800.00
2.22	Radon Survey with up to 200 samples (not including required duplicates and blanks)	EA	5,800.00	5,800.00	5,800.00	5,800.00	5,800.00
<b>DRILLING (see notes 1-4)</b>							
3.1	Split spoon collection (Including steam cleaning)	FT/EA	20.00	19.00	19.00	19.00	19.00
	<50 ft.						
	>50 ft.						
3.2	Bore hole grouting	FT/EA	15.00	15.00	15.00	15.00	15.00
3.3	2" diameter monitor well installation (includes steam cleaning decon, screen riser, sand pack, seal and grout)	FT/EA	30.00	30.00	30.00	30.00	30.00
	<50 ft.						
	>50 ft.						
	4" diameter well installation	FT/EA	45.00	45.00	45.00	45.00	45.00
	<50 ft.						
	>50 ft.						
3.4	5" - 6" diameter well installation	FT/EA	70.00	70.00	70.00	70.00	70.00

No.	FEE SCHEDULE B (Geotech / Environmental)	UNIT	BUREAU VERITAS NORTH AMERICA INC	MACTEC ENGINEERING and CONSULTING, INC.	NUTTING ENGINEERS OF FL INC	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
3.5	Double cased wells 4" surface casing <50ft.	FT/EA	45.00	45.00	45.00	45.00	45.00
	6" surface casing <50 ft.	FT/EA	60.00	60.00	60.00	60.00	60.00
3.6	Well completion (includes up to 30 minutes development, meter box with bolt down cover, concrete pad and locking well cap With aluminum standpipe (above ground completion.)	EA	200.00	200.00	200.00	200.00	200.00
3.7	Well abandonment (includes grouting) 2" dia.	EA	250.00	250.00	250.00	250.00	250.00
	4" dia.	FT	10.00	10.00	10.00	10.00	10.00
	5" - 6" dia.	FT	12.00	12.00	12.00	12.00	12.00
		FT	15.00	15.00	15.00	15.00	15.00
3.8	2' x 2' well pad removal and cold patch with asphalt or concrete	EA	170.00	170.00	170.00	170.00	170.00
3.9	Shallow 2" diameter monitor well installation with portable equipment	EA	600.00	600.00	600.00	600.00	600.00
3.10	Temporary mini well constructed using direct push technology including abandonment. Daily Rate Minimum - 1,500 per day	DAY	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
3.11	Mobilization (within 50 mile radius). <del>DELETED</del> : Refer to Schedule "A", Item #10.	EA	0.00	0.00	0.00	0.00	0.00
3.12	DOT approved 55 gallon drum	EA	50.00	50.00	50.00	50.00	50.00
3.13	Permits (Recovery, injection well construction, consumptive use permit or abandonment per SFWMD, DEP & local municipalities)	---	Note #4	Note #4	Note #4	Note #4	Note #4
3.14	Additional decontamination	PER HR	195.00	195.00	195.00	195.00	195.00
3.15	Well development beyond .5 hr.	PER HR	100.00	100.00	100.00	100.00	100.00
3.16	Standby/delay/difficult access time - Personnel time only	PER HR	70.00	70.00	70.00	70.00	70.00
3.17	Moving drums	PER HR	120.00	120.00	120.00	120.00	120.00
3.18	Drum testing and disposal	---	Note #4	Note #4	Note #4	Note #4	Note #4

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3.19	OVA	PER DAY	100.00	100.00	100.00	100.00	100.00
3.20	Explosimeter	PER DAY	90.00	90.00	90.00	90.00	90.00
3.21	Utility clearance through "No Cuts"	PER DAY	440.00	440.00	440.00	440.00	440.00

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See Note #5					
Standard Turnaround Time 15 Calendar Days					
Rush Turnaround Time 72 Hours					

4.1	GC/MS - Extractable, Semi-Quant, Screen	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH
4.2	GC/MS - Library Search (up to 20 unknowns) Add. Cost Per Sample	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH
4.3	Gasoline and Kerosene Analytical Group, FAC 62-770 Table 1	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH
4.4	Used Oil Analytical Group, FAC 62-770 Table 2, w/o TCLP	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH

SEE NOTE #4

No.	FEE SCHEDULE B (Environmental Consultant, Contamination & Remediation Services)	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	See Note #5	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
	Standard Turnaround Time 15 Calendar Days	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
	Rush Turnaround Time 72 Hours	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.5	Other Petroleum as per 376.301, F.S., FAC 62-770 Table 3	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.6	Total Recoverable Petroleum Hydrocarbon (TRPH) by FL-PRO					
4.7	EPA Method 601 - Volatile Halocarbons					
4.8	EPA Method 602 - Volatile Aromatics					
4.9	EPA Method 603- Acrolein and Acrylonitrile					
4.10	EPA Method 604 - Phenols					
4.11	EPA Method 605 - Benzidines					
4.12	EPA Method 606 - Phthalate Esters					
4.13	EPA Method 607 - Nitrosamines					
4.14	EPA Method 608 - Organochlorine Pesticides & PCBs					
4.15	EPA Method 609 - Nitroaromatics					

SEE NOTE #4

No.	FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING INC	NUTTING ENGINEERS OF FL, INC	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	See Note #5	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
	Standard Turnaround Time 15 Calendar Days	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
	Rush Turnaround Time 72 Hours	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.16	EPA Method 610 - Polyaromatic	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.17	EPA Method 611 - Haloethers	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.18	EPA Method 612 - Chlorinated Hydrocarbons	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.19	EPA Method 613 - Dioxin	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
4.20	EPA Method 614 - Organophosphorus Pesticides	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.21	EPA Method 624 - Volatile Organics by GC/MS	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.22	EPA Method 625 - Semivolatile Organics by GC/MS	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.23	EPA Method 8021B - for Parameter Group 8010 Volatile Halocarbons	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.24	EPA Method 8015B - Non- Halogenated Solvents	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.25	EPA Method 8021B - for Parameter Group 8020 Volatile Aromatics	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH

SEE NOTE #4



No.	FEE SCHEDULE B (Environmental Consultant, Contamination & Remediation Services)	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	See Note #5	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
	Standard Turnaround Time 15 Calendar Days	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
	Rush Turnaround Time 72 Hours	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.26	EPA Method 8032A - Acrolein & Acrylonitrile	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.27	EPA Method 8041 - Phenols	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.28	EPA Method 8061A - Phthalate Esters	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.29	EPA Method 8081A - for Organochlorine Pesticides	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.30	EPA Method 8082 - for PCBs (Achoir Only)	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.31	EPA Method 8091 - Nitroaromatics	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.32	EPA Method 8141A - Chlorinated Herbicides	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.33	EPA Method 8121 - Chlorinated Hydrocarbons	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.34	EPA Method 8141A - Organophosphorus Pesticides	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.35	EPA Method 8141A - Chlorinated Herbicides	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
4.36	EPA Method 8260B by GC/MS - Volatile Organics, TCL List	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD

SEE NOTE #4

**SEE NOTE #4**

No.	<b>FEE SCHEDULE B</b> (Environmental Consultant Contamination & Remediation Services)	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	<b>See Note #5</b>					
	Standard Turnaround Time 15 Calendar Days	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
	Rush Turnaround Time 72 Hours	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
		LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
		LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.37	*EPA Method 8260B by GC/MS - Volatile Organics, Priority Pollutant List					
4.38	*EPA Method 8260B by GC/MS - Volatile Organics, Appendix IX List					
4.39	*EPA Method 8270C by GC/MS - Volatile Organics, TCL List					
4.40	*EPA Method 8270C by GC/MS - Volatile Organics, Priority Pollutant List					
4.41	*EPA Method 8270C by GC/MS - Volatile Organics, Appendix IX List					

No.	<b>FEE SCHEDULE B</b> (Environmental Consultant Contamination & Remediation Services)	UNIT	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
5.1	Asbestos Survey and Report-residential facility	EA	600.00	600.00	600.00	600.00	600.00
5.2	Asbestos Survey and Report-commercial facility <10,000 square feet	EA	850.00	850.00	850.00	850.00	850.00
5.3	Asbestos Survey and Report-commercial facility >10,000 square feet	EA	1,100.00	1,100.00	1,100.00	1,100.00	1,100.00

No.	SEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	UNIT	BUREAU VERITAS NORTH AMERICA, INC.	MACTEC ENGINEERING & CONSULTING, INC.	MUTTING ENGINEERS OF FL, INC	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
5.4	Asbestos Survey and Report-inspection-no sampling	EA	400.00	400.00	400.00	400.00	400.00
5.5	Lead-based Paint Survey and Report-residential facility	EA	700.00	700.00	700.00	700.00	700.00
5.6	Lead-based Paint Survey and Report-commercial facility <10,000 square feet	EA	950.00	950.00	950.00	950.00	950.00
5.7	Lead-based Paint Survey and Report-commercial facility >10,000 square feet	EA	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
5.8	Lead-based Paint Survey and Report-inspection-no sampling	EA	800.00	800.00	800.00	800.00	800.00

**CONTAMINATION AND REMEDIATION SERVICES (within 50-mile radius. Beyond 50 mile radius, rate to be negotiated)**

6.1	Non-hazardous Petroleum Soil Disposal (ton)(22 Ton Min.)	TON
6.2	Non-hazardous Petroleum Fuel Disposal	GAL
6.3	Non-hazardous Petroleum Water Disposal	GAL
6.4	Non-hazardous Petroleum Sludge Disposal	DRUM
6.5	Hazardous Solid Material Disposal (Metal Contamination)	DRUM
6.6	Hazardous Liquid Material Disposal	DRUM
6.7	Non-hazardous Bulk Solid Disposal (22 Ton Min. Landfill)	TON
6.8	Non-hazardous Bulk Liquid Disposal	GAL
6.9	Non-hazardous Solids Transportation (22 Ton Min.)	TON/ MILE
6.10	Non-hazardous Solids Transportation	DRUM

**SEE NOTES #4 & #5**

No.	FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	BUREAU VERITAS NORTH AMERICA INC.	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC.	NORDAESE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
7.1	Indoor air quality survey to include temperature, relative humidity and carbon dioxide measurements. The survey must include a written report with recommendations. (Industrial Hygienist) Less than 10,000 sq. ft. 10,000 sq. ft. to 50,000 sq. ft.	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
7.2	Mold air samples a. Petri dish (approx. 3 week turnaround) b. spore trap 48 hour turnaround 3 - 5 day turnaround	110.00	110.00	110.00	110.00	110.00
7.3	Volatile organic compound air samples a. 48 hour turnaround b. greater than 48 hour	90.00	90.00	90.00	90.00	90.00
7.4	Formaldehyde air samples a. 48 hour turnaround b. greater than 48 hour	70.00	70.00	70.00	70.00	70.00
7.5	Dust air sample a. total dust concentration b. Respirable dust concentration	120.00	120.00	120.00	120.00	120.00
		60.00	60.00	60.00	60.00	60.00
		112.50	112.50	112.50	112.50	112.50
		25.00	25.00	25.00	25.00	25.00
		25.00	25.00	25.00	25.00	25.00

**NOTES**

- All work is to be performed in level D protective equipment. Higher levels of protection to be negotiated.
- Cost reflects drilling by a licensed SFWMD Well driller. Wells and soil borings performed using a hand auger will be billed at a labor and equipment rental rate.
- All drilling costs shall include cost to restore area to pre-existing condition (sod, asphalt, concrete, etc.).
- Direct Reimbursement.
- Schedule "B" lab fees charged to Miami-Dade County Public Schools (MDCPS) shall be no greater than the lowest lab fees charged by the Consultant for that laboratory service.

\*Source of Lists  
Target Compound List: CPL SOW OLM03.0/4.0  
Priority Pollutant: 40 CFR 423, Appendix A, 7/1/97,  
Appendix IX: 40 CFR 264, Appendix IX, 7/1/97