

Laboratory Certificate



11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

This certifies that AMEC Environment & Infrastructure, Inc. located at 5845 N.W. 158th St., Miami Lakes, FL 33014 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs and Protocol TAS301-94, and is Certified to perform the following tests:

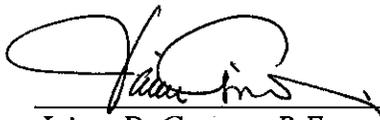
- TAS105
- TAS106
- TAS124
- TAS126
- Concrete, Aggregate, and Soil Testing
- (Per Construction Materials Engineering Council Accreditation and Public Works Department Certification)

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

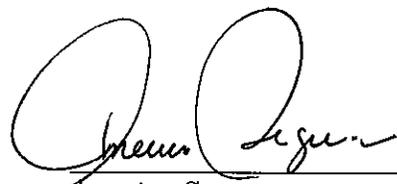
Angela L. Alba, P.E., Armando J. Alvarez, P.E., Edilberto Abonce, P.E., G. Thomas McDaniel, P.E., Ricardo Fraxedas, P.E., Steven A. Lubinski, P.E., Zheng Liang, P.E., Zhihong Hu, P.E.

This Certification and Registration Approved: December 22, 2011
This Certification and Registration Expires : August 15, 2016

Certification No. : 11-0715.05 Renews: 09-0115.01



Jaime D. Gascon, P.E.
Product Control Section Supervisor
Product Control Section



Americo Segura
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

PQ Certificate No.: 2010-680146861-12
Approval Date: 8/3/2011
Expiration Date: 8/31/2012

Miami-Dade County, Florida
Department of Procurement Management (DPM)

**ARCHITECTURE/ENGINEERING (A/E)
PRE-QUALIFICATION CERTIFICATE**

This certificate is hereby issued to: **AMEC E&I Inc.**
5845 NW 158th Street
Miami Lakes, FL 33014

The above name applicant is pre-qualified to provide professional A/E services for Miami-Dade County for the period indicated above. The applicant has committed its firm to comply with the specific conditions listed below:

1. Pre-Qualified to offer professional services only in the Miami-Dade County technical categories shown in the attached "Statement of Technical Qualifications." All technical category restrictions must be strictly adhered to.
2. Pre-Qualification Certification (PQC) consolidates the technical certification, affirmative action plan, and vendor registration into one streamlined certification process resulting in the issuance of a Pre-Qualification Certificate.
3. Report any significant changes, such as contact person, qualifier, ownership, firm address, etc., to DPM's Professional Services Certification located at 111 NW 1st Street, Suite 1300, Miami, FL 33128, within 30 days of such a change. Failure to report said changes to the County may result in the immediate suspension or termination of your firm's Pre-Qualification Certification.
4. Firms are responsible for observing and adhering to Miami-Dade County's Administrative Order 3-39 "Standard process for construction of capital improvements, acquisition of professional services, construction contracting, change orders and reporting".
5. Failure to renew your firm's PQC at least thirty (30) days prior to your firm's current expiration date may result in the suspension and/or termination from County programs and current or future contracts until your firm's Pre-Qualification Certification has been properly renewed. Any lapses in the certification of any of the required PQC areas (vendor registration, affirmative action plan, or technical certification) will result in a lapse in your PQC. Firms are responsible for observing and adhering to all submission deadlines.
6. Any renewal applications and/or supporting documents submitted after the application deadline might delay the review of your firm's PQC certification to the next available Technical Certification Committee meeting. The PQC application, submission deadlines, and the Technical Certification Committee meeting calendar can be found on DPM's web site located at: <http://www.miamidade.gov/dpm/pqc.asp>
7. Permit Miami-Dade County representatives to have access during normal business hours to audit books and records to verify information submitted with this application. This right of access shall commence on the approval date of this certificate and shall terminate on its expiration date.

Please note that if at any time Miami-Dade County's has reason to believe that any person or firm has willfully and knowingly provided incorrect information or made false statements, the County may refer the matter to the State Attorney's Office and/or other investigative agencies, initiate debarment procedures, and/or pursue sanctions or other legal remedies in accordance with Miami-Dade County policy and/or applicable federal, state and local laws.

If you have any questions regarding this certificate, please contact 305) 375-5637.



A handwritten signature in cursive script, appearing to read "Nubla Jarquin".

Nubla Jarquin
Professional Services Certification



**Miami-Dade County
Office of Capital Improvements**

Statement of Technical Certification Categories

Firm: AMEC E&I, INC.
5845 NW 158th Street
Miami Lakes, FL 33014

<u>CATEGORY NO:</u>	<u>CATEGORY DESCRIPTION</u>	<u>APPROVAL DATE</u>	<u>EXPIRATION DATE</u>
3.01	HIGHWAY SYSTEMS - SITE DEVELOPMENT AND PARKING LOT DESIGN	8/4/2010	8/31/2012
3.02	HIGHWAY SYSTEMS - HIGHWAY DESIGN	8/4/2010	8/31/2012
3.02A	HIGHWAY SYSTEMS - TUNNEL DESIGN	8/4/2010	8/31/2012
3.03	HIGHWAY SYSTEMS - BRIDGE DESIGN	8/4/2010	8/31/2012
4.01	AVIATION SYSTEMS - ENGINEERING DESIGN	8/4/2010	8/31/2012
5.09	PORT AND WATERWAY SYSTEMS - ENVIRONMENTAL DESIGN	8/17/2011	8/31/2012
6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	8/17/2011	8/31/2012
8.00	TELECOMMUNICATION SYSTEMS	8/4/2010	8/31/2012
9.01	SOILS, FOUNDATIONS AND MATERIALS TESTING - DRILLING, SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES	8/4/2010	8/31/2012
9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES	8/4/2010	8/31/2012
9.03	SOILS, FOUNDATIONS AND MATERIALS TESTING - CONCRETE AND ASPHALT TESTING SERVICES	8/4/2010	8/31/2012
9.04	SOILS, FOUNDATIONS AND MATERIALS TESTING - NON-DESTRUCTIVE TESTING AND INSPECTIONS	8/4/2010	8/31/2012
9.05	SOILS, FOUNDATIONS AND MATERIALS TESTING - ROOF TESTING AND CONSULTING	8/4/2010	8/31/2012
9.06	SOILS, FOUNDATIONS AND MATERIALS TESTING - MATERIALS TESTING / CONSULTING / TRAINING	8/4/2010	8/31/2012
10.01	ENVIRONMENTAL ENGINEERING - STORMWATER DRAINAGE DESIGN ENGINEERING SERVICES	8/4/2010	8/31/2012

Luisa M. Millan, R. A., Chairperson
Chief, Professional Services Division
Office of Capital Improvements



**Miami-Dade County
Office of Capital Improvements**

Statement of Technical Certification Categories

Firm: AMEC E&I, INC.
5845 NW 158th Street
Miami Lakes, FL 33014

CATEGORY NO:	CATEGORY DESCRIPTION	APPROVAL DATE	EXPIRATION DATE
10.02	ENVIRONMENTAL ENGINEERING - GEOLOGY SERVICES	8/4/2010	8/31/2012
10.03	ENVIRONMENTAL ENGINEERING - BIOLOGY SERVICES	8/4/2010	8/31/2012
10.04	ENVIRONMENTAL ENGINEERING - CHEMISTRY SERVICES	8/4/2010	8/31/2012
10.05	ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT AND MONITORING	8/4/2010	8/31/2012
10.06	ENVIRONMENTAL ENGINEERING - REMEDIAL ACTION PLAN DESIGN	8/4/2010	8/31/2012
10.07	ENVIRONMENTAL ENGINEERING - REMEDIAL ACTION PLAN IMPLEMENTATION/ OPERATION/ MAINTENANCE	8/4/2010	8/31/2012
10.08	ENVIRONMENTAL ENGINEERING - PATHOGEN AND CONTAMINANT RISK ANALYSIS	8/4/2010	8/31/2012
10.09	ENVIRONMENTAL ENGINEERING - WELLFIELD, GROUNDWATER, AND SURFACE WATER PROTECTION AND MANAGEMENT	8/4/2010	8/31/2012
10.10	ENVIRONMENTAL ENGINEERING - COASTAL PROCESSES AND OCEAN ENGINEERING	8/4/2010	8/31/2012
11.00	GENERAL STRUCTURAL ENGINEERING	8/4/2010	8/31/2012
12.00	GENERAL MECHANICAL ENGINEERING	8/4/2010	8/31/2012
13.00	GENERAL ELECTRICAL ENGINEERING	8/4/2010	8/31/2012
15.01	SURVEYING AND MAPPING - LAND SURVEYING	8/4/2010	8/31/2012
15.03	UNDERGROUND UTILITY LOCATION	8/4/2010	8/31/2012
16.00	GENERAL CIVIL ENGINEERING	8/4/2010	8/31/2012
17.00	ENGINEERING CONSTRUCTION MANAGEMENT	8/4/2010	8/31/2012

Luisa M. Millan, R. A., Chairperson
Chief, Professional Services Division
Office of Capital Improvements



AMEC E&I, Inc.

5845 NW 158 Street
Miami Lakes, FL 33014

Accreditation ID **1000667**

This is to certify that this laboratory has been accredited for technical competence and found to meet the requirements for performing the test methods listed below for the inspection and testing of construction materials.

AASHTO R18

Concrete: C-1064, C-1231, C-138T121, C-143T119, C-172T141, C-173T196, C-231T152, C-31T23, C-39T22, C-42T24, C-511, C-617T231, C-78T97, Specification C-1077, Specification E329
Expires-10/31/2012

Aggregate: C-117T11 Coarse, C-117T11 Fine, C-127T85, C-128T84, C-136T27 Coarse, C-136T27 Fine, C-29T19, C-40T21, C-566T255, C-702T248, Specification C-1077, Specification E329
Expires-10/31/2012

Masonry: C-1019, C-109, C-1314, C-140, C-305, C-511
Expires-10/31/2012

Soil: D-1140, D-155T180, D-2216T265, D-2487, D-2488, D-421T87, D-422T88, D-4318T89, D-4318T90, D-4944T217, D-6938T310, D-698T99, D-854T100, FM5515, Specification D3740, Specification E329, T-146, T-267
Expires-10/31/2012

David A. Savage

David A. Savage
Director of Accreditation

Christopher J. Robinson

Christopher J. Robinson, P.E.
Executive Director

The current scope of accreditation can be obtained by viewing the CMEC Directory of Accredited Laboratories (www.cmec.org)



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
 LABORATORY QUALIFICATION PERFORMANCE REPORT

Laboratory Information

Lab ID: 106004
 Lab Name: Mactec Engineering and Consulting, Inc.
 Lab Address: 5845 NW 158 St Miami Lakes, FL 33014
 Contact Person: Caridad Murphy
 Email Address: CRMURPHY@mactec.com
 Telephone No.: 305/826-5588

LIMS Sample ID: 1100025610 Evaluation Area: **Laboratory Evaluation**
 Date of Evaluation: 2/25/11 Evaluation Status: **Equipment(s) Evaluation Satisfactory**
 Technician's Name: N/A

Checklist: ASTM C 1231 Use of Unbonded Caps	PASS
Checklist: ASTM C-39 Compressive Strength	PASS
Checklist: ASTM C 617 Capping Cylindrical Concrete	PASS
Checklist: FM 5-515 Limerock Bearing Ratio	PASS
Checklist: FM 1-T-180 Moisture-Density Relations	PASS
Checklist: FM 1-T 11 Total Materials Finer than 75-um	PASS
Checklist: AASHTO T-21 Organic Impurities Fine Agg	PASS
Checklist: FM 1-T248 Reducing Aggregate Samples	PASS
Checklist: AASHTO T-27 Sieve Analysis of Fine	PASS
Checklist: FM 1-T 084 Specific Gravity and Absorption	PASS
Checklist: FM 1-T085 Specific Gravity and Absorption	PASS
Checklist: AASHTO T-87 Dry Preparation of Soil	PASS
Checklist: AASHTO T-89 Liquid Limit	PASS
Checklist: AASHTO T 90 Plastic Limit and Plasticity	PASS
Checklist: AASHTO T 99 The Moisture-Density	PASS



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LABORATORY QUALIFICATION PERFORMANCE REPORT

Laboratory Information

Lab ID: I06004
Lab Name: Mactec Engineering and Consulting, Inc.
Lab Address: 5845 NW 158 St Miami Lakes, FL 33014
Contact Person: Caridad Murphy
Email Address: CRMURPHY@mactec.com
Telephone No.: 305/826-5588

Checklist: AASHTO R 18 PASS

Woolley, Antonin

Signature of Independent Assurance Evaluator/Observer

March 02, 2011

Date Approved

cc: Laboratory Manager:

Original (LQP files/DMRE): _____

Other: _____