



- * THERMAL INSULATION * ASBESTOS ABATEMENT * LEAD ABATEMENT
- * FIRE PROOFING * SANDBLASTING * INDUSTRIAL PAINTING
- * ACID BRICK INSTALLATION * REFRACTORY GUNITE * SPRAY-ON URETHANE
- * GEOTECHNICAL CONSULTING ENG. * SOIL AND CONCRETE TESTING LAB.
- * GEO-ENVIRONMENTAL DRILLING * MONITORING WELL INSTALLATION

03035030

November 10, 2004

Mr. David J. Collins
 Region II, Division of Nuclear Materials Safety
 61 Forsyth Street, SW, Suite 23T85
 Atlanta, GA 30303-8931

RE: NEW RADIATION SAFETY OFFICER

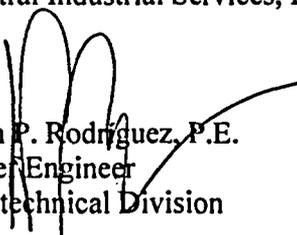
Dear Mr. Collins:

This letter is to request that Mr. Elias Mangual replace Mr. Juan P. Rodríguez as the Radiation Safety Officer on our radioactive materials license. His statement of training and experience and supporting documents are enclosed.

Our radioactive materials license number is 52-25470-01.

Cordially,

Central Industrial Services, Inc.


 Juan P. Rodriguez, P.E.
 Chief Engineer
 Geotechnical Division

Enclosures

RECEIVED
 REGION I
 NOV 23 10:18 '04

136019

No 340

Certificate Of Completion

This is to certify that ELIAS MANGUAL has completed the
CPN® Radiation Safety Officer Seminar for Nuclear Gauges,
held this 23rd day of APRIL 19 99 in the
City of SAN JUAN State of PUERTO RICO by CPN International.

CPN International, Inc.
2830 Howe Road
Martinez, California 94553 USA
Phone: (510) 228-9770
Fax: (510) 228-3183



Steph R. Miller
INSTRUCTOR
Douglas Carter
RADIATION SAFETY OFFICER

Elías Mangual Ugarte, GIT

PMB 116 PO Box 2020
Barceloneta, PR 00617-2020
939-717-5468

Email: emanqual@centralindustrialpr.com

Education

- | | | |
|--------------|---------------------------------------|--|
| 1997 to 1998 | University of Puerto Rico | Mayagüez, PR |
| | ▪ | Studies conducting toward the degree of Master of Science in Geology. |
| 1992–1997 | University of Puerto Rico | Mayagüez, PR |
| | ▪ | BS., Geology. |
| 1999–Present | Polytechnic University of Puerto Rico | Hato Rey, PR |
| | ▪ | Studies conducting to the degree of Bachelor in Science in Civil Engineering, in progress. |

Experience

June 2002-Present Central Industrial Services Inc. Barceloneta, PR

Geologist/

- Coordination and performance of geophysical surveys applied to environmental and geotechnical problems.
- *Geological exploration for geotechnical and environmental engineering purposes.* In charge of generating subsurface profiles and discussing general subsoil conditions using boring data.
- Assistance on the management of the soils and concrete testing laboratory. Efforts and time are being dedicated to qualify all proceedings in accordance to ASTM Standards.
- Supervised and looked forward to maintain high quality standards of the drilling by SPT method on subsoil exploration projects, and geo-environmental drilling.
- Maintain contact with clients, bidding and project management for cost effective operations are ongoing part of current duties and responsibilities.

Oct. 2000-May 2002 EGE TECHNOLOGIES Rio Piedras, PR

Geologist/Operations Manager

- Open operations of the Geotechnical Division of EGE Technologies, Inc.
- *Geological exploration for geotechnical engineering purposes.* In charge of generating subsurface profiles and discussing general subsoil conditions using boring data.
- Management and quality control maintenance of the soils and concrete testing laboratory.
- Maintain contact with clients, bidding and project management for cost effective operations are ongoing part of current duties and responsibilities.

1998-2000

GEOCONSULT INC.

Guaynabo, PR

Project Geologist/Laboratory Manager

- Geological exploration for geotechnical engineering purposes on a high standing professional firm. In charge of generation of subsurface profiles using boring data.
- Management of the soils and concrete testing laboratory. Efforts and time were dedicated to qualify all proceedings in accordance to ASTM Standards. Conducted the laboratory into an inspection that qualified the facilities, equipment and personnel into providing services to the US Army Corps of Engineers for projects in Puerto Rico.
- Guided the personnel and facilities thru the Proficiency Sample Testing Program held by AASHTO.
- Maintained an internal quality control program for all testing operations, including periodical refreshment training sessions for all technical level personnel.
- In charge of performing seismic refraction profiles and data analysis using the StrataView geophysical equipment. This technique was successfully used on the determination of the ripability of earth materials on the Fajardo Dam Project, one of the most important in the development of the Northeast Superaqueduct.
- Supervised drilling operations for US Army Corps of Engineers projects.
- Supervised field personnel in charge of the quality control and inspection of earthfill works on various projects such as the North Coast Superaqueduct, Fajardo Dam, Tren Urbano and Carraizo Dredging.
- Performed duties of assigned Radiation Safety Officer for controlling and maintaining nine nuclear density gauges for testing soil properties.

Jan. to Dec. 1998

UPRM-Geology

Mayagüez, PR

Teaching Assistant

- Teaching the laboratories corresponding to the courses of Geology for Engineers and Igneous and Metamorphic Petrology. Duties included lecturing, laboratory preparation and assisting in the improvement of the curriculum for the laboratory.

Summers 1997-98

US Army Corps of Engineers

Vicksburg, MS

Contractor

- Statistical analysis of soil moisture-strength values to incorporate relation parameters into a computer model to predict soil strength values (SMSP II).
- Project was oriented to optimize mobility of military vehicles under different weather conditions.
- Supervision of technical level personnel on field operations intending to determine the effect of dynamic load of military vehicles on in-situ soil remolding.

1997 Feb. to May

US Army Corps of Engineers

Mayagüez, PR

Contract Student

- In situ soil testing of Cone Index values for different soil types on a tropical environment (Puerto Rico).
- Used of an Automated Cone Penetrometer and Moisture Probe Device to create a statistical database on the Cone Index-Moisture relationship of soils.

1995–1996 UPRM-Owens-Illinois Mayagüez, PR

Field Technician

- Explored for silica rich sand deposits on the island of Puerto Rico.
- Compositional analysis of granular soil deposits intended to determine purity of silica sand on the Northern Coast of Puerto Rico.
- Analysis of the provenance of quartz rich sand deposits oriented to economic purposes.

1993–1995 Puerto Rico Seismic Network Mayagüez, PR

Seismic Data Analyst

- Processing of analog and digital data to locate seismic events, both in the local-regional area and teleseismic events.

License

- Geologist in Training, Puerto Rico, E-101
- Professional Licensure in Progress

Memberships

- Geological Society of Puerto Rico, Current President
- American Association of Engineering Geologists, Member
- Student Geological Society, Member
- Junior Fraternity Lambda Nu Mu
- College Fraternity Rho Omicron Rho

Interests

- Mechanical behavior of soils as response to geologic history.
- Weathering processes and its effect on the mechanical properties of rocks, cavity formations on limestone and its impact to geotechnical engineering.
- Control of geotechnical engineering design as affected by sedimentary facies in costal areas.

Skills

- Fully bilingual, English-Spanish.
- Able to work with Macintosh and PC operative systems. Software skills include Microsoft Office, Corel QuattroPro, Canvas 8.0, Jump (Statistical Application) and Stereo (Stereoscopic Projection Software). Auto CAD 2000, gINT v. 5.1, GEOSYSTEMS Software. Earth Imager and Deneba-Surfer.
- PADI Certified Open Water Scuba Diver OWSI-15538.

References

- References available upon request.

This is to acknowledge the receipt of your letter/application dated

November 10, 2004, and to inform you that the initial processing which includes an administrative review has been performed.

There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information. *Amend*

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 136019.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
:
: Program Code: 03121
: Status Code: 0
: Fee Category: 3P
: Exp. Date: 20090630
: Fee Comments: _____
: Decom Fin Assur Reqd: N
: ::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: CENTRAL INDUSTRIAL SERVICES, INC.
Received Date: 20041123
Docket No: 3035030
Control No.: 136019
License No.: 52-25470-01
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed _____
Date 11/26/04

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /_/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____