

Patricia A. Crumley, PE

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EDUCATION: **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Cambridge, MA
Master of Engineering in Civil and Environmental Engineering, June 2004. GPA 4.7/5.0

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA
Bachelor of Science in Civil Engineering, June 2003. GPA 4.4/5.0

EXPERIENCE: **GEOCONSULT, INC.** 01/2013 – present
San Juan, Puerto Rico
Geotechnical Engineer: Responsible for all aspects of project management and administration, and business development. Actively participate in engineering and management of projects including foundation design, slope stability analyses and earth retaining structure design. Conduct site inspections and environmental site assessments.

GOVERNMENT OF PUERTO RICO, OFFICE OF THE GOVERNOR 01/2012 – 12/2012
San Juan, Puerto Rico
Deputy Chief of Staff: Represented the Governor and the Governor's Chief of Staff in all matters concerning public policy implementation. Manage communication across all Government agencies (over 130 agencies). Oversee, manage, and prioritize project execution across Government agencies. Actively involved in the Energy Public Policy Committee. The Committee was composed of all government entities involved in all aspects of energy project development and public policy implementation.

GOVERNMENT OF PUERTO RICO, PUERTO RICO ELECTRIC POWER AUTHORITY 2011 - 2012
San Juan, Puerto Rico
Director, Planning and Environmental Protection: Managed department personnel (120 employees) and programs. Actively involved in all aspects concerning monthly client billing, forecasting, and projections. Implemented new residential consumer tariff. Developed and managed PREPA's Capital Improvement Program (CIP) and reconciled PREPA's budget versus its needs for maintenance issues and achievement of strategic plans. Managed PREPA's environmental permits and ensured compliance with state and federal environmental regulations and permits. Evaluated all aspects of renewable energy project proposals. Overlooked all steps of the evaluation process including project review by the Generation and Legal Departments. Managed all aspects of private large-scale co-generators and renewable energy contracts. Prepared and delivered presentations before PREPA's Board of Directors, legislators and media. Served as Board Member of PREPA Holdings, LLC, a private PREPA subsidiary.

GOVERNMENT OF PUERTO RICO, SOLID WASTE AUTHORITY 2009 - 2011
San Juan, Puerto Rico
Deputy Director: Managed agency day-to-day operations, personnel (79 employees), and programs. Planned, managed and implemented the agency's administrative and technical activities, including assignment of duties and optimizing the agency's organizational structures according to budget and operational challenges. Actively involved in budgetary issues within the agency. Implemented Government initiatives to

plan an economically sound and technically feasible solid waste management plan. Conducted comprehensive evaluation of proposed Waste to Energy projects, including proposed technologies, technical viability, and site selection. Actively involved in all aspects concerning technical evaluations of the Authority's installations across Puerto Rico. Managed agency implementation for Act 70 of 2010 (Incentives and Retirement Program). Prepared and delivered public presentations before academia, professional organizations, legislators and media.

GOVERNMENT OF PUERTO RICO, OFFICE OF THE GOVERNOR

San Juan, Puerto Rico

2009

Deputy Advisor: Represented the Office of the Governor in matters concerning the Puerto Rico Aqueduct and Sewer Authority, the Government of Puerto Rico Department of Housing, and the United States Army Corps of Engineers. Co-led team evaluating the viability of a major electrical power infrastructure project. Assessed infrastructure and budget requirements for the dredging of Caño Martín Peña. Represented the Office of the Governor in related meetings.

GEOCONSULT, INC.

San Juan, Puerto Rico

2007 - 2009

Geotechnical Engineer: Field Geotechnical Engineer at Río Blanco Offstream Dam in Naguabo, Puerto Rico (\$104M construction value). Supervised all geotechnical construction for quality control and assurance, design review, calculated earth volumes for payment to contractor, supervised field technicians and coordinated materials testing. Performed field testing program and actively participated in extensive analyses that were required to modify specifications to achieve faster construction. Participated in projects including foundation design, slope stability analyses and earth retaining structure design (e.g., Dos Hermanos Bridge, portions of PR-66, Wyndham Río Mar, Los Lagos at Palmas del Mar).

EVERTEC, POPULAR INC.

San Juan, Puerto Rico

2004 - 2007

System Architect: Duties included meeting with business owners in order to understand business users' needs when designing new services for multiple banking delivery channel and overseeing the operation of the production, development, and certification hardware subsystems. Managed project implementations and coordinated deployment procedures. Supervised local and offshore resources. Led a team of system architects, developers and subject-matter experts from business units in the analysis of the current branch automation system for Banco Popular de Puerto Rico for replacement with a new web-based application that integrated into Service Oriented Architecture infrastructure.

LICENSES AND AFFILIATIONS:

Professional Engineer in Puerto Rico (license number 21676)
Professional Engineer in Virginia (license number 0402052677)
Engineer-in-Training in the Commonwealth of Massachusetts
(certificate number 20326)
American Society of Civil Engineers
Colegio de Ingenieros y Agrimensores de Puerto Rico
Member, MIT Educational Council
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