



## Alejandro Pinto Flores, PE

1018 Ave. Ashford, Apt 5D, San Juan, PR 00907 • (787) 648-4892 • [apinto@ecoleague.us](mailto:apinto@ecoleague.us)

Citizenship: United States • Availability: Full-Time, Permanent & Term

### OBJECTIVE

Provide consulting services in Environmental Engineering and Environmental Health and Safety (EHS) fields, focus on create innovating solutions for private and public customers, being part of their success and environmental protection achievement.

### KEY SKILLS

- Effective communicator
- Strong Leader
- Problem Solving and Analytical Skills
- ASTM ESA Phase I & Phase II Trained
- Incident Investigation Trained
- Risk Assessment Trained

### WORK EXPERIENCE

#### **President & Principal Engineer**

**Feb 01, 2017 to Present**

APF ENVIRONMENTAL ENGINEERING, LLC (d./b./a. Ecoleague) – 1018 Ave. Ashford Apt 5D, San Juan, PR 00907

#### Full Time

#### **Duties & Accomplishments**

Founded a professional corporation in San Juan Puerto Rico to provide consulting services in Environmental Engineering and Environmental Health and Safety (EHS) fields, focus on create innovative solutions for Private and Public customers, being part of their success and environmental protection achievement. Establish administrative, marketing, and management system for the corporation, obtain all applicable permits and registrations, create corporation brand and image, establish invoice and proposal system, develop and manage web page and social media page, among others. Certified the corporation in the System of Award Management (SAM) to provide services as Prime Contractor for Federal Government, including obtain Hispanic-Owned Minority Small Business Certification. Provide Health & Safety Training for Puerto Rico National Guard as a Sub-Contractor of Prime, including 8.0-Hours Hazard Communication Training sessions at one military establishment, and 3.5-Hours Noise Exposure Training sessions at seven military establishment. In addition, 4.0-Hours Personal Protective Equipment Training sessions are scheduled for September 2018 at eight military establishment. Perform Environmental Site Assessments Phase I for Commercial Real Estates Property in Puerto Rico according to the American Society of Testing and Materials (ASTM) standard E1527-13, and the All Appropriate Inquiries Rule under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Prepare Emergency Power Generator Permit Applications and other Environmental Permit Applications for Private Companies. Conduct facility Assessment and develop Facility Emergency Plan for Private Companies, including operations risk assessment, plan development, employee training, among others. Execute warehouse assessment for Private companies, including general assessments and recommendations, Warehouse New Rack installation Project evaluation, hazard assessment for personal protective equipment, employee warehouse safety training sessions, among others. Perform damage assessments and damage cost estimations for commercial and residential properties for private insurance company. Develop environmental, and safety training material to be provided online.

#### **Environmental Engineer**

**Jun 1, 2013 to Jan 31, 2017**

Compliance Resources – 180 Road 194, Apt. 223, Fajardo PR 00738

Supervisor – Eng. Rosario Jiménez Rivera, PE /Full Time

#### **Duties & Accomplishments**

Develop written procedures according to ISO-14001 2015 and OHSAS-18001 2007 for implementation of Environmental Health and Safety Management System at an electrical components industry. Conduct Environmental Site Assessment Phase I under supervision of Environmental Professional. Provide environmental and safety training for industry personnel (e.g. storm water, Spill Prevention, Control and Countermeasures Plan, hazard communication, and others). Perform Storm Water Multi-Sector General Permit routine inspections at industrial sites, evaluating control measures, identified deficiencies and providing recommendations based on regulations and industry best practices, preparing reports and discuss findings with EHS and other department representatives during closing meetings. Prepare Environmental documents for industrial companies (e.g. Storm Water Pollution Prevention Plan, Spill Prevention Control, Measure, and Countermeasures Plan, Potable Water Sample Siting Plan, RCRA Waste Minimization Plans, RCRA Contingency Plan, Integrated Contingency Plan, and others). Document EPA reports for industrial facilities as Emergency Planning and Community Right-To-Know (EPCRA) Tier II Reports, Toxic Release Inventory (TRI) Report and Resources Conservation and Recovery Act (RCRA) Biennial Reports. Perform environmental regulation applicability assessment (e.g. safe drinking water act, leak detection and repair program, etc.), and compliance evaluation (e.g. RCRA, ODS, SARA, etc.). Prepare written report and discuss findings with EHS Leaders. Create written environmental compliance programs,



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following local and federal requirements. Execute CES Plan monthly inspections at construction sites. Prepare reports and discuss findings with project manager. Prepare and submit governmental permits applications at local agencies. Establish evacuation plans for industrial facilities, including written report and drawings. Participate in public hearings as part of governmental permit applications representing facility owner.

### Environmental Engineer

Sep 25, 2013 to Dec 27, 2013

On-Site Consulting – # 513 Extension Sur Street, Dorado PR 00646

Supervisor - Eng. Ricardo Alvarez De Fresno, PE /Part Time

#### **Duties & Accomplishments**

Evaluate Storm Water Pollution Prevention Plan (SWPPP) for a large-scale flood construction project subject to an National Pollutant Discharge and Elimination System (NPDES) Construction General Permit. Perform Storm Water Weekly inspections. Monitor and notify any deviation of Federal and Local environmental regulations. Assure that permanent stabilization measures were implemented. Prepare reports and discuss findings with Project Quality Representative and Project Manager. Prepare Erosion Control Plan Monthly Report to be submitted to the Environmental Quality Board.

### Health, Safety, and Environment (HSE) Resident

Feb 01, 2013 to May 31, 2013

NOVARTIS EX-LAX, INC. (Humacao, PR) – Road 909, Km. 1.3 Mariana Ward, Humacao PR 00791

Supervisor - Eng. Angel Ortiz Díaz, PE /Full Time

#### **Duties & Accomplishments**

Manage and enhance Health, Safety and Environmental (HSE) programs and culture at a veterinarian production site during process re-startup and new product launch, reporting directly to the Novartis HSE Director. Provide guidance for production personnel related to HSE requirements. Implement environmental and health & Safety management system at the facility. Conduct job hazard analysis to production activities, including the selection of the appropriate personal protective equipment. Perform inspections to hazardous and non-hazardous waste storage areas, modify existing practices and improve waste management practices, including increase of recycling rates. Lead incident investigation process for environmental and safety incidents, including area evaluation personnel interviews, root cause analysis and corrective actions determination, incident investigation reports, among others. Participate to Site Leadership Team meetings on behalf of HSE Director and discuss HSE topics at Management level. Supervise occupational nurse and environmental technician on day to day operations.

### Environmental, Health, and Safety (EHS) Associate

Mar 01, 2008 to Jan 31, 2013

AMGEN MANUFACTURING LIMITED – Road 31 Km 24.4, Juncos PR 00777

Supervisor - José Martínez Toledo /Full Time

#### **Duties & Accomplishments**

Manage specific environmental and safety programs reporting to the EHS Top management. Represent EHS Department at bulk manufacturing plants and warehouse business unit and participate of management units' meetings. Organize Process Safety Information (PSI) to be used during Process Hazard Analysis (PHA) recertification process. Support Corporate PHA leader during a PSM covered process PHA recertification. Identify PHA team members, prepare work schedule, and participate actively during process evaluation meetings. Document PHA results and recommendation reports. Coordinate the PHA recommendation execution plan. Prepare implementation plan, track progress, support corrective action owner during implementation, and communicate progress to results to EHS Department and Plant Management Team. Lead incident investigation process from process safety management events. Lead the investigation team following standardized root cause analysis strategy to identified root causes and define corrective and preventive actions. Prepare incident investigation reports and presentation for management. Communicate results to EHS Department Management Team and Plant Management Team. Review contractor documentation (Scope of Work, Job Hazard Assessment, and others) for any work to be executed inside any area subject to Process Safety Management Regulation. Provide training to employees and external contractors in environmental and safety topics including PSM, Ethanol Hazards and Precautions, Potable Water, NPDES Multi-Sector General Permit requirements applicable to industrial and construction activities and others. Participate in meetings with Environmental Quality Board personnel to clarified information related to a permit application process.

Represent Puerto Rico Site at Global Utilities Network meetings during implementation of EHS strategies. Evaluate potential impacts of strategies discussed in the Network and provide information to site management. Lead PR Department of Health Sanitary Survey, PR Department of Natural Resources Inspections and PR Environmental Quality Board (Air Division) inspections at the site. Support



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EPA Storm Water Program Compliance Evaluation and other Agencies Inspections. Participate in Operation Excellence Team efforts to optimize manufacturing operations and reduce waste generation. Evaluate existing data and manufacturing operations, identified potential optimization strategies, prepare recommendations and present to group leader. Serve as subject matter expert resource at Federal Drug Administration (FDA) and foreign agency (e.g. Japan and Brazil) audits related to Potable Water and Groundwater Treatment system. Develop a Potable Water Quality Study (Desktop Evaluation) to establish strategies to control lead, including identified the extension of the problem, water quality monitoring, data analysis, recommendations and final report preparation, to be submitted to the PR Department of Health. Execute storm water quarterly visual sampling examinations, including evaluation of any abnormal situation. Perform boiler stack annually samplings, including development of written procedure for a new sampling equipment. Develop new written procedure for Potable Water Regulation and revision of other existing environmental procedures.

Support incident commander during drills and real events as environmental officer, evaluating situation and providing recommendations to control or reduce environmental impacts. Participate in emergency response team planning and execution critical meetings. Support hazardous waste management program implementation, continuous improvement, and emergency preparedness strategies. Lead an underground injection control system closure, including contractor plan verification, contractor supervision, and final report preparation. Supervise recycling contractor, including performance evaluation, meetings with field supervisor, invoices evaluation, incident investigation, among others. Attend to outdoor oil spills and implement spill response practices to control the situation.

### VOLUNTEER EXPERIENCE

#### **President - Profession Defense Committee**

Sep 01, 2018 to Present

COLEGIO DE INGENIEROS Y AGRIMENSORES DE PUERTO RICO (CIAPR) - #500 Eng. Antolín Nin Martínez Street, San Juan PR 00918

Supervisor - Eng. Pablo Vázquez Ruiz, PE / 787-758-2250 / May be Contacted

Part Time / Without Compensation

#### **Duties & Accomplishments**

Lead a 9-participant committee related to the improvement of the engineering and land surveying practice in Puerto Rico. Develop strategies to communicate the public about the Laws and Regulations applicable to the engineering and land surveying practices in Puerto Rico. Prepare and implement an ethical-based education program to enhance ethical leadership values in CIAPR members. Lead the identification and initial investigation process related to potential professional practices deviation and refer the information to the Professional Practices Director. Prepare reports and other communications to the President of CIAPR, Executive Board, and Government Board about the efforts and achievement of the Committee in a routine basis.

#### **Auditor**

Sep 01, 2017 to Aug 31, 2018

COLEGIO DE INGENIEROS Y AGRIMENSORES DE PUERTO RICO (CIAPR) - #500 Eng. Antolín Nin Martínez Street, San Juan PR 00918

Supervisor - Eng. Pablo Vázquez Ruiz, PE / 787-758-2250 / May be Contacted

Part Time / Without Compensation

#### **Duties & Accomplishments**

Audit the financial operations of a nonprofit organization with an annual budget of 3.2 million dollars. Evaluate Financial Director operations, discuss the information, and provide recommendations. Prepare audit reports to be presented to the Executive Committee Biweekly Meeting, Monthly Government Board Meeting and the Annual General Assembly. Develop accounts projections based on historical data and monitoring accounts based on projections. Evaluate and recommend budget amendments proposed by Treasurer. Audit 21 components (branches) to assure compliance with internal regulations and policies. Develop and support the transition of financial documentation to electronic records in each of the 21 components. Develop a Preventive Maintenance Program for seven (7) facilities. Manage the implementation of a "Understanding Agreement" with the PR Department of Education for the inspection of 225 public school's facilities.



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### President

Sep 01, 2016 to Aug 31, 2018

INSTITUTO DE INGENIEROS AMBIENTALES DEL CIAPR - #500 Eng. Antolín Nin Martínez Street, San Juan PR 00918

Supervisor - Eng. Ralph A. Kreil Rivera, PE (2016-17) & Eng. Pablo Vázquez Ruiz, PE (2017-18) / 787-758-2250 / May be Contacted

Part Time / Without Compensation

### **Duties & Accomplishments**

Manage operations of a nonprofit organization branch with an annual budget of 50 thousand dollars. Represent the discipline of environmental engineering in the CIAPR. Lead a cooperative effort with the US EPA for the execution of five (5) Household Hazardous Waste Collection Events at CIAPR facilities, with an impact of over 5,800 collected units. Evaluate the PR Climate Change proposed regulation, provide recommendations, support the preparation of the CIAPR memorandum, and participate in the Senate Public Hearing. Lead the implementation of community activities as the 2017 International Coastal Cleanup in Loiza, as Coastal Capitan, the 2018 CIAPR Earth Day Fair in the CIAPR Headquarters, among others. Participate in radio and television broadcasting to orient the community about relevant environmental topics as solid waste management, recycling, power generator operation after hurricane, water pollution, among others. Prepare articles related to environmental topics to be published at national newspapers and CIAPR internal electronic news. Develop a Continuous Education Program between September 2016 to August 2018 with more than 95 events and more than 4,800 impacted population.

Been elected and reelect by the Institute General Assembly. Lead cooperation efforts with US EPA, PR Department of Natural Resources, and other organizations to develop educational events. Serve as speaker of environmental topics in an initiative to train community leaders call "Empoderamiento de las Comunidades del CIAPR". Been Elected 2016-2017 President of the Year.

Treasurer / Sep 01, 2013 to Aug 31, 2015

INSTITUTO DE INGENIEROS AMBIENTALES DEL CIAPR - #500 Eng. Antolín Nin Martínez Street, San Juan PR 00918

Supervisor - Eng. Héctor L. Sánchez Cruz, PE / 787-502-0001 / May be Contacted

Part Time / Without Compensation

### **Duties & Accomplishments**

Manage financial operations of a nonprofit organization branch with an annual budget of 30 thousand dollars. Monitor financial accounts utilization to assure compliance with approved budget. Prepare treasurer reports Monthly Board of Director Meeting and the Annual General Assembly. Prepare quarterly financial reports for CIAPR Finance Director. Prepare and recommend annual budgets and budget amendments. Participate in internal audits and external CPA audits without findings. Lead the implementation of a new computer-based financial program.

## EDUCATION

Polytechnic university of Puerto Rico (PUPR) – San Juan, PR (In Progress)

Master of Science in Civil Engineering (Water Resource & Water Treatment)

Credit Earned: 30 credits / 36 credits

GPA: 4.00 of 4.00 grade scale

Polytechnic university of Puerto Rico (PUPR) – San Juan, PR (Jun 2009)

BS in Environmental Engineering

Credit Earned: 211 credits

GPA: 3.7 of 4.00 grade scale

Summa cum laude

30th Graduation Valedictorian Award (Dr. Ernesto Vázquez Torres' Recognition)

PRWEA 11<sup>th</sup> Wastewater and Environmental Seminar Conferences (May 2011)

"Pollution Prevention Applied to Wastewater Treatment Plants" Presentation - with Eduardo Gonzalez, PE

2008 Transportation Research Board [Washington, D.C.] - Poster Session Presentation

"Development of an Integrated Massive Transportation System for Old San Juan, Puerto Rico" (Jan 2008)

PUPR Civil and Environmental Engineering Department Honor Roll Distinction (2005 – 2008)



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### OTHER QUALIFICATIONS

#### **Puerto Rico Professional Engineer (PE) License # 24091**

OSHA 10-Hour Outreach Training for Construction - OSHA 29 CFR 1926 (Oct 2018)  
OSHA Hazardous Waste Operations & Emergency Response - OSHA 29 CFR 1910.120 Standard - 8-hrs (Jun 2018)  
ASTM Training on Phase I and Phase II Environmental Site Assessments for Commercial Real States (Apr 2017)  
2017 Storm Water NPDES Construction General Permit (CGP) - 6-hrs (Apr 2017)  
2015 Storm Water NPDES Multi-Sector General Permit for Industrial Activities - 7-hrs (Aug 2015)  
Storm Water Runoff Data Application, Monitoring Procedures and Assessments - 3-hrs (Jun 2015)  
Spill Prevention Control and Countermeasure (SPCC) Workshop - 3-hrs (Jun 2015)  
CIAPR Leadership Training - 10-hrs (Sep 2014)  
Storm Water Multi-Sector General Permit Seminar Series 2013 - 6-hrs (Nov 2013)  
DOT - Hazardous Materials Transportation Certification - 8-hrs (Oct 2012)  
Potable Water and Wastewater Sampling Process - 1.5-hrs (Sep 2012)  
CIAPR Young Leadership Recognition (Aug 2012)  
OSHA Hazardous Waste Operations & Emergency Response - Hazardous Material Technician Level & Protection Levels A, B & C - 29CFR1910.120 & NFPA472 - 16-hrs (Mar 2012)  
Root Cause Analysis Overview (Dec 2011)  
Managing Risk in Operations (Oct 2011)  
Confined Space Entry - Fundamental and Practices (Oct 2011)  
Lean Six Sigma Yellow Belt Certification (Jul 2011)  
ABS Consulting Process Safety Management Compliance - 24-hrs (Jul 2011)  
ABS Consulting Process Safety Management Compliance Audit - 16-hrs (Jul 2011)  
ABS Consulting Clean Water Compliance Institute - 24-hrs (Jun 2011)  
Foundation skills for Root Cause Analysis - 8-hrs (Mar 2011)  
OSHA Hazardous Waste Operations & Emergency Response Certification - 29CFR1910.120 & NFPA472 - 40-hrs (Oct 2009)  
Facilitating FMEA, HAZOP, PRHA, and What-if for Risk Assessment Facilitator (Jun 2009)  
Introduction to Operations Risk Management (May 2009)  
DOT - Hazardous Materials Transportation Certification - 16-hrs (Nov 2008)  
Job Hazard Analysis Procedure (Nov 2011)  
Good Manufacturing Practices (GMP) (Mar 2018)