



City of Coconut Creek

Application for Environmental Advisory Board

The information requested below is for consideration of appointment to the City's Environmental Advisory Board. Please complete and return this form to the City Clerk. **WITH a brief resume** of your experience by or before Monday, April 6, 2020.

PLEASE NOTE: Florida has a very broad public records law. Documents relating to city business are public records and are available to the public and media upon request. Your information provided within this application may therefore be subject to public disclosure. If your information meets an exemption pursuant to state statute, please advise the City Clerk.

Last Name: Espinosa First
Name: Irene
Home Address: 4242 NW 66 Drive
Phone: 9545520930
Alternate Phone:
E-mail: icesp12@gmail.com

The Environmental Advisory Board is comprised of five regular members and one alternate member who serve a one-year term. The members are appointed by the City Commission and given the responsibility of promoting environmental awareness and activities, acting as an educational liaison to the community for environmental matters that are important to the City. They will review and provide advisory comments for special projects, programs, legislation, and environmental awareness and improvement opportunities and continuously promote and support National Wildlife Federation certifications throughout the City.

To the extent practicable, board appointments shall be based on the applicant's experience with representing environmental interests, specialties, and qualifications in the fields of Architecture, Biology, Climate change, Education, Engineering, Environmental science, Forestry, Gardening, Geology, Horticulture, Law, Sustainability, Urban planning, or Waste disposal. Preference will be given to applicants who have completed Coconut Creek Citizen's Academy.

The board meets as needed. Appointments will be made at the April 23, 2020, City Commission Meeting.

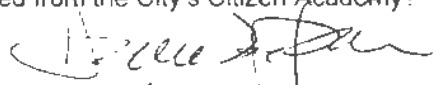
Please mark Yes OR No for each of the following questions:

1. Are you at least 18 years of age and a resident of Coconut Creek? Yes No
2. Are you at least 18 years of age and an owner of a business located within the City with a business tax receipt issued by the city for operation at the location? Yes No
3. Do you have a background in representation of environmental interests, specialties and qualifications in Architecture, Biology, Climate change, Education, Engineering, Environmental science, Forestry, Gardening, Geology, Horticulture, Law, Sustainability, Urban planning, or Waste disposal? Yes No

- 4. Are you employed by the City?
- 5. Are you a member of another City Board?
- 6. Have you ever served on a City Board?
- 7. Will you be away from the City for extended periods of time?
- 8. Have you graduated from the City's Citizen Academy?

Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

Signature:



Date:

April 15, 2020

IRENE ESPINOSA

OBJECTIVE

Position in an environment where I can use my expertise to your advantage.

PROFESSIONAL HIGHLIGHTS

HEALTH, SAFETY, ENVIRONMENTAL, WORKERS COMPENSATION & MEDICAL

- *Reduced Workers Compensation open claim costs from \$200,000/year to \$50,000/year in 2 years*
- *First aid injuries were reduced by 45% the first year*
- *Workers Compensation claims were reduced by 75%*
- *OSHA recordable injuries were reduced by 50% in one year an effort to achieve World Class status using Total Quality Management techniques (TQM), LWCA=0.1 and TCIR=1.0*
- *Freon (CFC) recycling generated over \$50,000/yr in cost avoidance*
- *Hazardous waste disposal costs were reduced by 66% in one year*
- *Hazardous material inventory was reduced by 50%, reducing safety hazards and liability*

MICROELECTRONICS

- *Implemented the first surface mount technology process designs for Allied Signal electronics, beginning with the Total Collision Avoidance System (TCAS) for the FAA*
- *Developed and wrote all soldering and electrical assembly process for the TCAS product line*
- *Optimized soldering yields from 33% to 90% in 3 months*
- *Received the second highest cost savings award that involved over \$500,000 savings by optimization of a material control and inventory tracking system at GE.*
- *Standardized DOD satellite system electrical design layout, throughout five design groups at GE*
- *Assisted Joe Keller in the research and identification of Dendritic Growth on SMT technology devices and co-authored technical paper for the Annual Hybrid Microelectronics Symposium*

EMPLOYMENT RESPONSIBILITIES

- *CPC AEROSCIENCE- Heath, Safety & Environmental Manager. Performed all employee training, responsible for hazardous waste manifest and control, completed all annual reports and assured federal and local regulatory compliance (EPA, RCRA, CERCLA, SARA, DOT, OSHA, NIOSH, TSCA, etc.). Reviewed and qualified all current and new chemicals.*
- *ALLIED SIGNAL- Full responsibility (H,S,& E plus Medical, Workers Compensation and Risk Management) in addition had two manufacturing plants ~1200 employees in Ft. Lauderdale, 3 domestic and 3 foreign hangers where rework /repair of aviation products was performed. Revised the Safety Manual to meet ISO9000 standards. Trained over 1200 employees, annually, in all aspects of EPA, RCRA, CERCLA, SARA, DOT, OSHA, NIOSH, HM-181, TSCA. Initiated in-door air quality testing in order to generate a baseline for employee exposure to hazardous chemicals. Developed HS&E review standards for new business acquisitions. Interfaced with local regulators as well as acted as Corporate Liaison on all HSE division matters. Initially was hired as a Senior Engineer to work on the new product introduction and development of TCAS, the first product with surface mount technology. Worked as liaison between Engineering and Manufacturing to develop soldering processes (IR, Wave, and Vapor) for SMT electronics of TCAS. Defined tooling, selected equipment and materials, parts, rework and repair, approved electrical schematics. Initiated development of "state of the art" zero discharge/closed loop aqueous water filtration system for cleaning electronic printed circuit boards using water soluble flux while also being environmentally friendly.*
- *GENERAL ELECTRIC SPACE DIVISION - Liaison between design and manufacturing to optimize new product (electronics) for military satellites. Responsibility included tooling, process design, planning, materials and parts selection, drafting reviews and sign-off for new designs as well as redesigns per military standards. Held Secret Clearance.*
- *MOTOROLA- Advanced Manufacturing Technology Group - Performed research with surface mount technology designs. Responsible for development of high impedance encapsulation, structural lead reinforcement, guide pin and attach process, thick film components and jumpers designs, polymeric sealants and its electrical effects during cleaning process/ionic contamination. Supported hybrid microelectronic manufacturing with process development and yield improvement, optimizing tool design for wave solder, and micro-welding.*

SKILLS

- Six Sigma
- Total Quality Management (TQM)
- Design For Manufacturing (DFM) Certified
- Word, Excel, Works, PowerPoint
- Just In Time (JIT) Material Control
- Bilingual (English/Spanish)
- Technical Writing
- Public Speaking/Training
- New Product Introduction
- Process Optimization/ Cost Reduction
- New Product Introduction
- ISO 9000

EMPLOYMENT HISTORY

- **TECHNICAL RECRUITER** RecuiterENG Coconut Creek, FL
- **H, S & E MANAGER** CPC Aerospace Pompano, FL
- **HEALTH, SAFETY, ENVIRONMENTAL STAFF**
- **SENIOR ENGINEER** Allied Signal Ft. Lauderdale, FL
- **PRODUCIBILITY ENGINEER** GE Space Division King of Prussia, PA
- **SENIOR ENGINEER** Racal-Milgo Miami, FL
- **PROCESS ENGINEER** Motorola Communications Inc. Ft. Lauderdale, FL

EDUCATION

- **BACHELORS OF SCIENCE** University of FL
Chemistry/Chemical Engineering(minor) Gainesville, FL 1977-79
- **BACHELOR OF SCIENCE** Florida Atlantic University
Mechanical Engineering(95%complete) Boca Raton, FL 1979-82
- **MASTER OF SCIENCE** Penn State University
Mechanic& Materials Engineering(50% complete) King of Prussia, PA
1986-88

HONORS AND AWARDS

- Chairperson/Board Member, Environmental Advisory Board, City of Coconut Creek, 2015- present
- Catechist, Our Lady of Lourdes Catholic Church, 2017- present
- Co-Chair, Relay For Life, Coconut Creek/Margate, 2014, Raised \$80,000 in 3 months
- Board Member, Brookwood Home for Abused, Neglected and Abandoned Girls,2010-2013
- Board Member, Coconut Creek Women's Club, 2009-present
- Guardian Ad Litem, Broward County, 2009
- Phi Kappa Phi & Pi Tau Sigma, 1985-87
- Motorola, 1981-82, Professional Recruiter
- Women's Political Caucus, 1980-82, 2nd Vice President/Membership Chairman
- International Society of Hybrid Microelectronics, 1980-82, Treasurer
- Professional Women of Motorola, 1979-80, Executive Committee Director
- Benton Engineering Council, 1978-80, Priorities, Programs & Awards Committees
- Engineering Forum, 1977-79, Newspaper Layout & Production
- Florida Engineering Society, 1977-79, Treasurer and Event Coordinator
- Joseph Weil Award, 1978-79, solo leadership award/first woman at University of FL
- Epsilon Lambda Chi 1978-79, Honorary Award to upper 2% leader in College of Eng
- Annual Engineers Fair, 1978&79, Awards Committee, Fair Security
- Society of Women Engineers, 1977-1980, President, Vice President, Industrial Coordinator, SWE Rep at Annual Engineers Fair, SWE Rep for S.O.A.P., Co-op Advisor
- Florida State Symposium, 1978, Chairman and Student Coordinator/Publicity Chairman
- Member, American Institute of Chemical Engineers, International Society of Hybrid Microelectronics, National Society of Plastics Engineers

REFERENCES

References are available on request.