**TITLE:** IEC Seasonal 2020 Intern

**EMPLOYER:** Interstate Environmental Commission (IEC), 2800 Victory Boulevard, Building 6S, Room 106, Staten Island, New York, 10314

**LOCATION:** Interstate Environmental Commission laboratory on Staten Island, and early morning boat surveys in western Long Island Sound which depart from Port Washington, New York.

**BACKGROUND:** The Interstate Environmental Commission comprehensively addresses water quality issues and priorities in the IEC jurisdictional waters in the tri-state area (NY, NJ, and CT). IEC performs a diverse array of water quality projects that include ambient water quality monitoring surveys, compliance inspections, laboratory analyses, public education and outreach.

**JOB SUMMARY:** Assist with field, laboratory, and office work associated with IEC’s water quality monitoring activities in IEC’s District (tri-state area). Activities are generally water quality oriented, but can cover a wide range of environmental issues, according to program needs.

**RESPONSIBILITIES:**
The intern will participate in water quality monitoring surveys in western Long Island Sound and upper East River. Tasks associated with this project will include:

- Participating in boat-based surveys and utilize portable monitoring equipment to collect field measurements and ambient water samples. Boat surveys depart as early as 5:00am (sunrise-dependent) from Port Washington, New York up to twice a week.
- Assisting with the preservation and transport of samples, and the filtration and processing of samples for shipment, as required.
- Assist with laboratory analyses of water samples in accordance with established procedures and methods.
- Assist with laboratory preparation of bottles, coolers, equipment, quality control activities, and housekeeping, as necessary.
- Additional fieldwork, laboratory analyses, data entry, report generation and office work, as necessary.

Support IEC’s other monitoring program projects related to ambient water quality, citizen science, habitat restoration, and other projects, including:

- Participate in and support IEC’s volunteer pathogen monitoring program in near-shore areas in the IEC District.
- Collect ambient water samples and assist with data collection and recording of field measurements, chain of custody data.
- Assist with the preservation and transport of samples, as required.

Assist with the production and organization of documents and materials related to IEC’s projects for dissemination to stakeholders and the public, including:

- Project summaries, data summaries, presentations, website and printed newsletter updates.
- Meeting materials
- Organization of IEC’s historical reports
EDUCATION: Minimum of 3 years towards a Bachelor’s Degree in environmental science, biology, or closely related field. Bachelor’s degree preferred.

QUALIFICATIONS: Ideal applicants will be highly motivated, detail-oriented, and flexible with a willingness to work in laboratory and field settings.
Required:
- Strong interest in environmental issues and desire to learn
- Strong desire and ability to work outside, on a boat, under a variety of environmental conditions, as well as in a laboratory setting.
- Ability to follow directions and guidelines outlined in IEC’s SOP’s, Project Plans and other documents
- Strong organizational and time-management skills, attention to detail
- Strong communication skills
- Strong computer skills, particularly Excel
- Ability to work both independently and as part of a team; quick learner
- Valid driver’s license, private means of transportation, and willingness to transport ambient water samples and sampling equipment when necessary
- Experience driving in and around the tri-state area (NY, CT, and NJ)
- Ability to lift and carry up to 50 pounds
Desired:
- Prior field and laboratory experience
- Prior experience with multi-parameter sondes, specifically YSI EXO1, YSI ProDSS, HOBO, Star-Oddi and associated software
- Experience with MS Access, ArcGIS

ADDITIONAL INFORMATION: This is a paid position; it is estimated that the position will require 30 hours (4 days per week), with some flexibility. The approximate start date is May 1, 2020 with an estimated end date of October 31st, 2020. This position does not include benefits. Duties will occur at multiple workplaces including the IEC’s Laboratory located in Staten Island, NY and early morning boat surveys departing from Port Washington, NY.

ENVIRONMENTAL FACTORS: Fieldwork begins in the early morning (5:00-6:30am, sunrise-dependent) and occurs in all weather, including heat, sun, and rain, with little to no shelter. Some surveys require working as long as 6 hours on a sampling vessel without access to amenities.

Requirements
A valid driver’s license and access to own transportation required. Travel for field work will be reimbursed.