

**Ronald R. Lilienthal, Jr.**

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## **I. Education**

### **M.S. in Chemistry**

San Diego State University, San Diego, CA

### **B.S. in Chemistry**

Seattle University, Seattle, WA

## **II. Certifications:**

OR Wastewater Treatment Certification, Level IV

## **III. Work Experience**

### **Operations Coordinator (Trainer) – 08/2024 to present**

City of Portland, BES; 5001 N Columbia Blvd, Portland, OR.

Develop, implement, and oversee the wastewater Operator-In-Training (OIT) program. Conduct training in both the classroom and in the field. Oversee and adjust training schedules as needed. Coordinate on-the-job experience rotations. Document training progress of each OIT and make necessary adjustments to meet the needs of each OIT. Assist in providing presentations and outreach related to the OIT program.

### **Operations Specialist – 04/2007 to 08/2024**

City of Portland, BES; 5001 N Columbia Blvd, Portland, OR.

Manage processes at Columbia Boulevard Wastewater Treatment Plant (CBWTP) – Primary for headworks, influent pump station (IPS), Hayden Island, water reuse; secondary for dry and wet weather primaries, digesters, and secondary process. Manage Tryon Creek Wastewater Treatment Plant (TCWTP) - all processes areas. Participate at all levels of various projects (including CBWTP facility update plan, TCWTP facility update plan, Chemically Enhance Primary Treatment (CEPT), and Outfall #3 repair. Prepare and submit Tryon Creek Discharge Monitoring Report as required by our NPDES permit. Coordinate and direct plant tours. Communicate with the public for odor control. Run weekly planning meeting for leads, and participate in bi-weekly meeting with operations and engineering. Member of the Bureau's Diversity Committee. EEO Representative. Bureau representative to the citywide Diversity/Equity Committee. Safety committee member. Routinely use SAP Financial systems, Synergn Asset management system, and other software systems.

### **Laboratory Supervisor – 07/2005 – 04/2007**

Veolia Water North America, Gresham Waste Water Treatment Plant, Gresham, OR.

Trained, hired, and scheduled personnel; reviewed data, kept records, and generated reports; Performed QA/QC testing; and method development. Sampled and tested for the City of Gresham's wastewater facility, the City of Gresham's Industrial Pretreatment Program, and the storm water permit. Testing was performed for permit compliance (NPDES, storm water, and Industrial) and process control purposes. Communicated a wide variety of information to Veolia personnel on-site and within the corporation, City of Gresham personnel, the OR DEQ, the WA DOE, EPA region 10, and the general public. Served as head of the Safety Committee, responsible plant wide for reports to corporate, safety training, and insuring that OSHA requirements were met.

### **Laboratory Director – 08/2003 – 06/2005**

CH2M(OMI), Gresham Waste Water Treatment Plant, Gresham, OR.

Trained, and scheduled personnel; reviewed data, kept records, and generated reports; Performed QA/QC testing; and method development. Performed Sampling and testing for the City of Gresham's wastewater facility, the City of Gresham's Industrial Pretreatment Program, the storm water permit, as well as testing for the Timberline, Sandy, and ZigZag projects. Testing was performed for permit compliance (NPDES, storm water, and Industrial) and process control purposes. Communicated a wide variety of information to OMI personnel on-site and within the corporation, City of Gresham

personnel, the OR DEQ, the WA DOE, EPA region 10, and the general public.

**Chemist- Wastewater Department, San Diego, CA. 10/94-7/03**

Performed process control and NPDES testing; Performed sampling, QA/QC testing, method development for PCB and Dioxins, wrote SOP's, performed calculations, entered data into a LIMS system, and generated reports. Acted as City of San Diego representative for the Southern California Coastal Water Research Project (SCCWRP).

**Intern - Water Department, San Diego, CA. 6/94-10/94**

Performed QA/QC testing of drinking water, and the chemicals used in the treatment process; Maintained and updated MSDS information; data entry.

**Teaching/Research Associate - San Diego State University, San Diego, CA. 8/91-1/95**

Taught general and organic chemistry laboratory classes. This included instructing students in proper laboratory procedures, techniques, calculations, use of instruments, and ensuring laboratory safety.

**Teaching/Research Associate - Florida State University, Tallahassee, FL 8/90-6/91.**

Taught general and organic chemistry laboratory classes. This included instructing students in proper laboratory procedures, techniques, calculations, use of instruments, and ensuring laboratory safety.

**Air Conditioning, Refrigeration, and Heating Specialist - 7/85-12/87**

**U. S. Air Force, 1CES, Langley Air Force Base, Langley, VA.**

Operated and maintained fan motors, humidity control devices, and cooling towers, HVAC, air filtration, pneumatic, refrigeration, and humidity control system; and sampled and analyzed boiler water and cooling tower water for total dissolved solids, alkalinity, etc. This posting required a high level security clearance since our mission was to maintain the highly secured facilities that comprised the headquarters of the Tactical Air Command.

**IV. Presentations/Articles in Water and Wastewater Science**

Professional Conference presentation: Chemically Enhanced Primary Treatment at Columbia Wastewater Treatment Plant. ORWEF Short School, Clackamas Community College, 2014

Co-presenter of Professional Conference presentation: CEPT an Exceptional Technology. Bend, OR, 2013, PNCWA Spring Conference.

Professional Conference presentation: Bringing CEPT Technology into the 21<sup>st</sup> Century. New Orleans, 2010. WECTEC, Water Environment Federation.

Co-author of article, "Revisiting Wet Weather Option: Optimizing Chemically Enhanced Primary Treatment" in Water Environment and Technology (WE&T) magazine, July 2011.