Jeff Buystedt

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Objective

To obtain National Environmental Field Monitoring Program (NEFAP) accreditation for the City of Bend.

Technical Skills & Character Traits

- *Excel*
- *MS Word*
- *PowerPoint*
- *SharePoint*
- *Promium Element (LIMS)*
- *Flowlink 5*
- *Flowlink Global*
- *Winflow*
- *Ambitious*
- *Communicative*
- *Diligent*
- *Leadership abilities*
- *Organizational abilities*
- *Detail to Accuracy*
- *Responsible*
- *Teamwork oriented*

Work Experience

City of Bend Environmental Compliance **2015-present**
(Program Manager)

Responsibilities:

- Manage Field Sampling and Measurement in all areas of the Utility Department for the City of Bend.
- Stormwater Monitoring: The City has a WPCF permit to sample (6) Underground Injection Control devices twice a year throughout the city for stormwater discharge to groundwater. Stormwater outfall to the Deschutes River is also performed.
- Industrial Pre-Treatment:
    - Oversee the sampling of (14) Significant Industrial Users and or Categorical Industrial Users. There has been a new focus to sample Pharmaceutical Manufacturers for an increased level of Organic Pollutants.
    - Sample and Monitor for the Extra Strength Discharge Monitoring Program (21) Breweries (4) Cider Producers (2) Distilleries.
    - Local Limits - Toxics sampling at the Water Reclamation Facility.
- Drinking Water Program: As required by the Oregon Health Authority and EPA sample (9) wells, (1) surface water source and sampling in the distribution system for Cryptosporidium, Disinfection-by-products (DPD's), VOC's, IOC's, SOC's as well as Lead and Copper. In addition, now sample for Unregulated Contaminants Monitoring Rule (UCMR)
- Water Quality Monitoring Program: Sampling and measurement of the Deschutes River and Tumalo Creek Utilizing YSI EXO2 Multi-Parameter Sonde and Vemco Minilog submersible temperature data logger.
- Biosolids: Sampling and Analysis to ensure that our Biosolids meets Class A standards
- Water Reclamation Facility: Sampling and analysis for routine plant operation and monthly Discharge Monitoring Report (DMR).

- Ground Water Monitoring: As required by Oregon DEQ, the analysis of groundwater wells that may be under the influence of the Percolation/Evaporation ponds in which the Water Reclamation Facility (WRF) discharges effluent.
- Illicit Discharge Investigations: On many occasions, accidental spills or illegal discharges have occurred and sampling has been required to insure that the public and environment has not been compromised.
- Sampling utilizing ISCO 6712 and 3700 samplers to perform Grab, Composite, Flow Based Composite and Discrete Sampling.
- Flow monitoring utilizing ISCO 2150 Flow meters and Flowlink Software.
- Hach EH950 Portable Flow Meter.
- Familiar with all sampling protocol and laboratory requirements for environmental analysis.

City of Bend Water Quality Laboratory 2001-2015
(Chemist)

Responsibilities:

- Laboratory analysis pertaining to the operation and permit requirements of the Water Reclamation Facility.
- Operated-maintained the O/I Analytical FS3000. Developed methods for: TKN-N, NH3-N, NOX, TPO4, OPO4, Cyanide
- Experience with Ion Chromatography
- Developed methods for the automated procedure of digestion for trace metals in water, soils and biosolids
- Drinking water and wastewater analysis for Total Coliforms and E Coli
- Experience with YSI meters and multi-parameter water quality monitoring sondes
- Vemco temperature probes
- Utilizing ISCO samplers and flow monitors in wastewater and stormwater
- Cryptosporidium and Giardia sampling of water supply
- Project management skills were used in the development of Local Limits for Industrial Pretreatment.
- I issue analytical reports and manage data for the stormwater, industrial Pretreatment, biosolids annual reports
- Purchasing, requisitions and budgeting

I have extensive experience in field monitoring and sampling for stormwater, industrial pretreatment, groundwater, wastewater and water re-use, biosolids and soil monitoring, river and stream monitoring. In addition, I have taken the lead role in investigating accidental spills and illicit discharges.

One aspect of my job was to assist in the development of clean hands/dirty hands sampling procedures via EPA method 1669. These procedures are now being used in the sampling for Toxics analysis as well as SB 737 analysis. These procedures are now being adopted in all field sampling applications.

AmTest Laboratories, Redmond Washington **1987-2001**
(Inorganic Laboratory Supervisor)
Responsibilities:

- Analyzed drinking water, wastewater, soils, sediments, biosolids, environmental water
- Colorimetric UV-Vis procedures, Alpkem Auto-analyzer, Dohrmann TOC analyzer, Ion Chromatography, Metals Digestion, ICP OES, Graphite Furnace Atomic Adsorption(GFAA) and Cold Vapor Mercury Analysis.
- Conventional analysis was performed such as: Ph, Conductivity, TSS and Titrations.
- Biosolids analysis of TKN-N and NH3-N
- Fats, Oil and Grease analysis using Freon-FTIR then EPA Method 1664
- Sampling and analysis of anomalous situations in a treatment system or environmental spills and discharges

I was responsible for the flow of samples throughout the department. Ensuring we processed a high number of samples daily without missing holding times and within the Labs turnaround time of 2 weeks. I monitored the QA/QC of the analytical work and issued analytical reports.
Many of the projects I managed were water and waste water utilities, stormwater utilities, engineering firms and many individual businesses.

I also issued all of the drinking water reports not only for the utilities but for private homeowners as well.

I ran sampling programs for the Puget Sound Naval Shipyard, Bacteriological sampling of all Jack in the Box restaurants in Washington and Oregon. Drinking water sampling was a big part of my responsibilities as well. I performed stormwater sampling and river and lake monitoring around the State of Washington. There were times when Industrial sampling was needed for those clients that required self-monitoring.

City of Monroe Waste Water Treatment Plant Monroe, Washington **1986-1987**
(Lab Technician)
Responsibilities:

This started out as an internship out of college, but stayed on after the internship was completed. I worked in the laboratory, performing all NPDES permit required and operational analysis. One aspect of this job was to perform analysis on the plants secondary treatment. One RBC train had undergone upgrades. The analysis I performed reflected the improvement in design between both the upgraded train and the original design. I compiled the data and submitted a report to the city engineers.

In addition, I assisted in plant operation and did everything from routine maintenance on equipment to biosolids handling and land application.

Education

Green River College – Water Management, Auburn, Washington

References

Kathy Fugiel – Owner AmTest Laboratories (425) 770-7037 finallykathy@aol.com

Mike Newman – Owner Day Spring Hardwoods (541) 350-3095 mnewman@dayspringinc.com

Kelly Jones - (541) 280-7169 kelleyjones7@yahoo.com

Activities & Interests

Skiing; Hiking; Golf; Basketball; Thailand out-reach water to orphanages team (2012); Hurricane Katrina disaster relief team (2007)