



Serving the Pacific Northwest

PumpTech Pipeline

Providing Knowledgeable Solutions

Asotin County PUD DeNora Clortec Onsite Chlorine Generation System

Ed Smith, PumpTech Moses Lake
esmith@pumptechnw.com

Asotin County PUD recently upgraded their Clortec Onsite Chlorine Generation System with a higher capacity unit. A new control panel, rectifier and generation assembly were installed to replace the old units that had provided excellent service over the last 10 years. The ancillary

equipment was able to be used in conjunction with the new items to provide a complete function system. With excellent planning by PumpTech and help from Denora and the customer, installation & startup was completed in just three days. This was a great team effort by everyone to get everything installed and operating on time.



BEFORE



AFTER

City of Sunnyside WWTP Blower Upgrade Project

Jim Joyce, PumpTech Bellevue
jjoyce@pumptechnw.com

After the City of Sunnyside's centrifugal blowers started to fail, providing too much air while consuming too much power, the decision was made to upgrade their system. The city's goal was to reduce energy costs and wasted air by installing a more efficient unit. PumpTech began to size replacement blowers by implementing air demand

and design values that the City developed based on available data that they had, coupled with the potential for future growth. The blowers were ultimately sized to meet a total air demand of 2,400 standard cubic feet per minute.

Accompanied by PumpTech, City personnel visited various installations where they were able to check out what options they had.

[Story Continues on Page 3...](#)

PumpTech, Inc.

Bellevue, WA
 12020 SE 32nd St #2
 Bellevue, WA 98005
 888-644-6686

Canby, OR
 321 S Sequoia Parkway
 Canby, OR 97013
 503-659-6230

Moses Lake, WA
 209 S Hamilton Rd
 Moses Lake WA 98837
 509-766-6330

Inside this issue:

| | |
|------------------------------|--------------------------|
| GridBee Mixers / Mt. View | <u>2</u> |
| City of Sunnyside continues | <u>3</u> |
| Meet Nick Ringstad | <u>4</u> |
| Meet Nick Ringstad continues | <u>5</u> |
| Miles Tutoring for Ecology | <u>6</u> |
| PumpTech PumpChat | <u>7</u> |
| Information & Credits | <u>8</u> |
| Upcoming Events | <u>8</u> |
| Line Card | <u>8</u> |

Click below to subscribe to Pipeline
 via Email
newsletter@PumpTechnw.com

GridBee Mixers Installed at Mt. View Edgewood Water District

Jim Joyce, PumpTech Bellevue

jjoyce@pumptechnw.com

A recent upgrade was made at the Mt. View Edgewood Water District's reservoirs, by the addition of two new GridBee GS-9 Mixers. While the customer was already performing seismic retrofits on their two potable water reservoirs, they wanted to add active mixing as part of the overall project. The goal was to create uniform temperature readings from top to bottom while also maintaining a consistent water age.

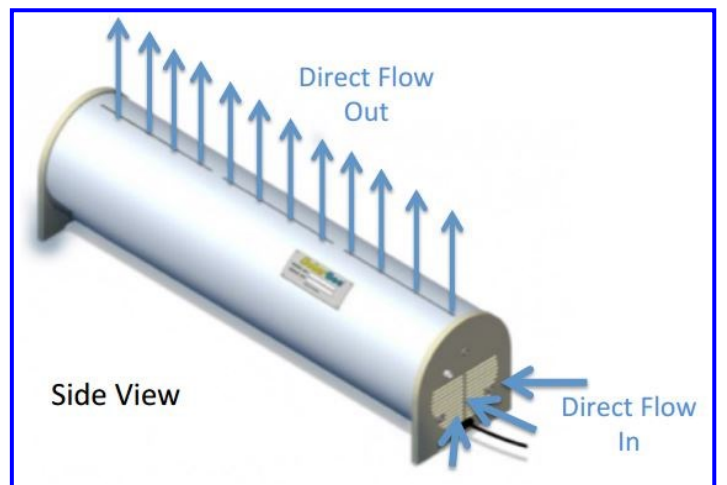
GridBee's GS-9 Mixers work by allowing a direct flow to enter in through the endplate and exits through the slots on top, creating a very strong induced flow. Both the direct and induced flow are drawn across the floor of the tank, constantly replacing the disinfectant while also killing any and all bacteria that may be present on the floor of the tank. This kind of mixer is designed to operate at a full speed and flow continuously, allowing the flow to be visible during operation at the surface above.

Installation went off flawlessly as the mixers were installed in both tanks mid-August, with baseline temperatures well over an 11 degree Fahrenheit difference top to bottom. At 72 hours after start-up, an even mix was confirmed in both tanks. Thanks to PumpTech, GridBee, & Edgewood's staff the upgrade at Mt. View was a complete success, so much so that Edgewood Water District has already purchased another GS-9 Mixer since their first experience was so terrific.



"Myself and Jason Anderson installed both mixers in two hours. We used a lift for roof access. Very complete kit and great instructions! "

- Location's Field Manager



City of Sunnyside WWTP Blower Upgrades Project continues...

On a walk thru at the City of Pasco WWTP, City personnel decided that the Sulzer HST Blowers operating at Pasco's plant were their best option due to minimal maintenance and quiet operation. Alongside efficiency, the Sulzer HST blower stood out by needing no lubricants or water cooling, coming equipped with integral VFD's, Controllers, Magnetic Bearings & Mag Bearing Controllers, as well as an overall lower amount of generated heat.

As a selection had been made and financing was finalized, installation was well underway. The City's old 150HP Centrifugal Blower needed to be

removed and the new Sulzer HST was installed in its place on a new pad. Updates to process control equipment alongside blower piping and conduit, were also laid to complete installation.

By a tremendous effort from everyone involved, only minimal issues occurred during start-up between the new blower and WWTP Scada system. These problems were addressed and corrected on site, leaving the City with a functional and more efficient blower system that they could use well into the future.



Meet PumpTech's New Outside Sales Engineer Nick Ringstad

Nick Ringstad, PumpTech Bellevue

nringstad@pumptechnw.com

Nick was born and raised in Fairbanks, Alaska as a third generation Alaskan. In Fairbanks, when the snow flies in October and doesn't melt until April or May, it's only natural to pick up the game of hockey. Nick began skating at age 5 and played competitively in Fairbanks until high school, when his talents took him around the country. To pay for this expensive sport, during the summers in Alaska, Nick worked for his father's land surveying and civil engineering company, 3-Tier Alaska.

He began his work as a chainman holding the survey rod, eventually working his way up to Party Chief, managing field operations and Civil3D drafting. At 3-Tier Alaska, Nick also began his civil engineering design experience, working with

regional Alaska Native organizations in designing and testing residential water and wastewater systems throughout the interior of Alaska.

After high school Nick lived and played in Vernon, British Columbia for the Vernon Vipers of the British Columbia Junior Hockey League (similar level to that of the Seattle Thunderbirds, Everett Silvertips and Portland Winterhawks) until 20 years of age. The move to Vernon proved very successful, as his team won the Royal Bank Cup, the national championship for Canadian tier II junior hockey. Following this success, Nick received a scholarship to attend and play for Brown University, in Providence, RI. Nick retired from competitive play after his career at Brown. Due to his success in Vernon, he is being inducted into the British Columbia Hockey Hall of Fame this summer.

[Story Continues on Page 5...](#)

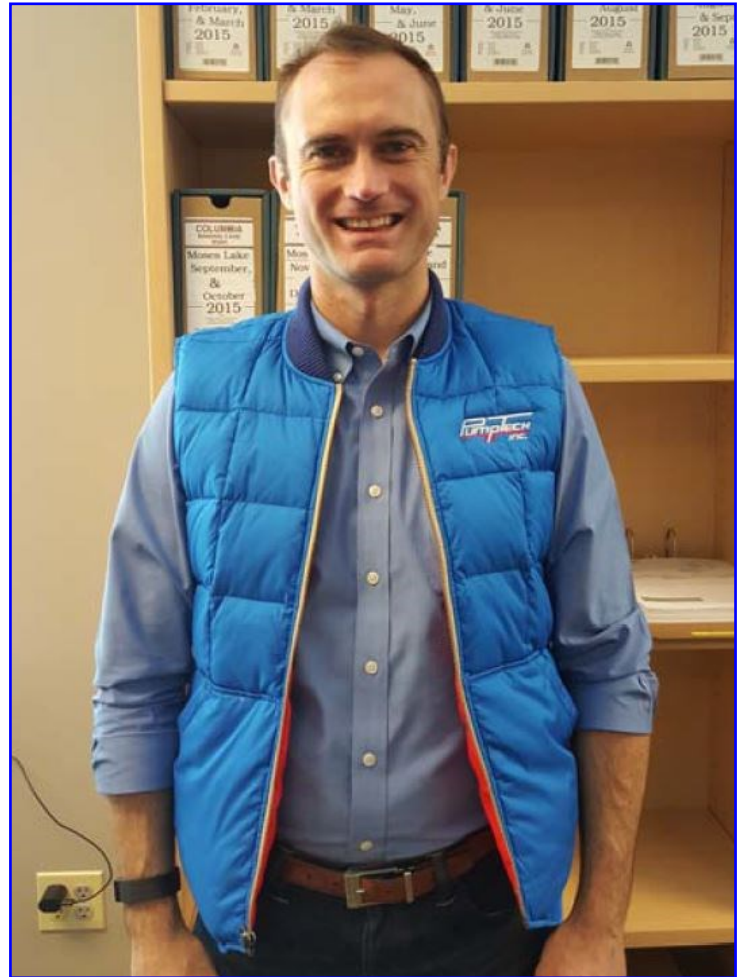


[Back to Page 1](#)

New Outside Sales Engineer Continues...

Studying engineering at Brown would have been ideal, however, the demands of Division I athletics kept him and most of his teammates out of lab-based concentrations. Therefore, Nick pursued another interest of his, Finance. Upon graduation from Brown, Nick worked in the finance/banking industry for approximately five years, before embarking on a career change and returning to the engineering field to attend the University of Washington and obtain his Civil & Environmental Engineering degree.

After spending the previous three years as a consulting engineer at Gray & Osborne and receiving his Professional Engineer license, Nick joined Pumptech as an outside sales engineer in late 2015. He will be covering the municipal industry from King County north to the Canadian border and West to the Puget Sound. Since joining Pumptech, Nick has been working on a blog, ***The Pumptech Spec***, aimed at continuing Pumptech's strong emphasis on educating consulting engineers, contractors and end-users and to promote the pumping industry. He is targeting the first release of ***The Pumptech Spec*** this summer.



Coming Summer 2016!!



The PumpTech Spec

Issue: 1

PumpTech's Municipal Specialist Helps Tutor at Washington State's Department of Ecology

Miles Beach, PumpTech Bellevue

Mbeach@PumpTechnw.com

Clean water keeps people, communities, and our planet healthy, yet many of us take clean water for granted. Do you know where the water goes once it's down the drain or toilet? Currently, the most common form of water pollution control in the United States consists of a system of sewers and wastewater treatment plants. The sewers collect municipal wastewater from homes, businesses, and industries and deliver it to facilities for treatment before it is discharged to water bodies, land, or recycled for other uses.

One of the more constant-and least known and understood-is the wastewater treatment process and the people working behind the scenes to provide you and your family with clean safe water. When wastewater treatment plants are properly operated, public health and the state's waters are protected. At the forefront of the treatment process are trained and certified operators. Simply put these are the folks that are working hard to protect and restore Washington State's waters.

Washington State Department of Ecology administers the wastewater operators certification program that helps ensure all operators meet the established requirements and are competent to operate and maintain wastewater treatment facilities. There are five levels of wastewater certification in Washington. - Operator in Training (OIT) through Group IV. Each level of certification has education and experience requirements and requires the applicant to take and pass an exam.

At a Southwest Regional Wastewater operators meeting in December, a member from the Department of Ecology's Municipal Operations Unit addressed the attendees about a growing trend in the decline of passing scores for the operators certification tests. It was pointed out that only 27 % of the applicants were passing their exams. Part of the problem is that senior plant operators are retiring and much of their institutional knowledge base is retiring with them.

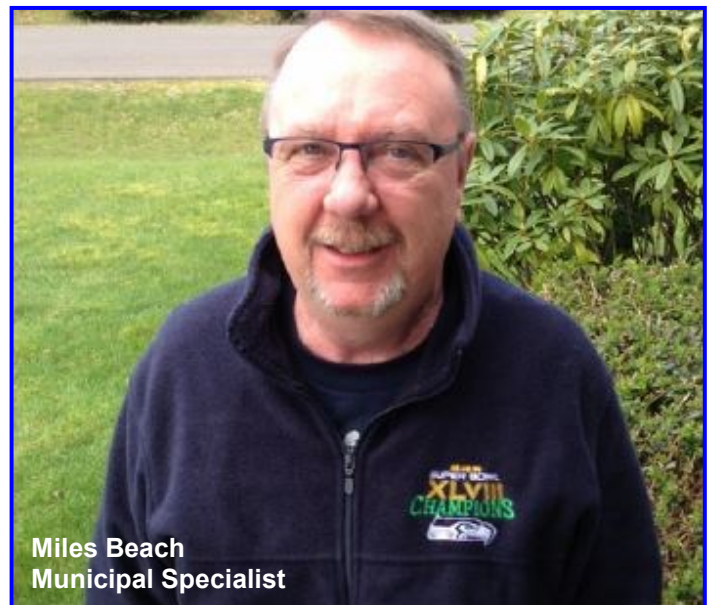
To try and stem the loss of this operational knowledge, Ecology is seeking individuals that have made their careers in the wastewater field. Ecology

approached Pumptech's Miles Beach to see if he would be interested in tutoring operators with preparing for their exams. Miles jumped at the chance, "this is one of the things I really enjoy doing", said Miles.

Miles has a long history in municipal water and wastewater treatment with 36 years of experience with the City of Ocean Shores. Part of his current job as Pumptech's Municipal Specialist is to help and support operators anyway he can. When Ecology contacted him and asked if he could help, the answer was obvious. Miles is currently certified in Washington State as Water Treatment (group II operations) and Wastewater (group III operations) In addition Miles was selected by the Pacific Northwest Clean Water Association as part of PNCWA's mentoring program to help new operators with their careers in the wastewater field.

If you or someone you know could use a helping hand with your operational issues, give Ecology a call. Miles is part of the services that Pumptech Inc. provides to their valued operators and customers.

For more information about wastewater certification please contact Poppy Carre, Washington Operator Certification Program Coordinator at 1-800-633-6193 or opcet@ecy.wa.gov



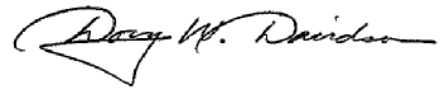
**Miles Beach
Municipal Specialist**

PumpTech PumpChat - From the Presidents Desk

Doug Davidson, PumpTech Bellevue
DDavidson@pumptechnw.com

Well, it's spring again in the NW and that means trade show season. Since the beginning of spring PumpTech has participated in over 9 conferences and we are currently preparing to head to Boise for the PNWS –AWWA conference where we will be displaying our products that are focused on the Drinking Water Industry. We are intimately involved in the full circle of water's use, providing either Vertical or Submersible turbine pumps in wells to bring the water out of the ground, to filtration, Onsite Chlorine Generation, Tablet feeders, disinfection, dosing and boosting. Once the potable water is used we supply equipment that pumps waste water utilizing a variety of pumps suited for each application, from Chopper pumps to solids handling

pumps, screw centrifugal pumps and vortex pumps. Upon arriving at the wastewater plant we provide equipment that will remove the grit, skim the scum and then once biologically treated, we can provide equipment that will disinfect using Ultra Violet light or chemical injection. Once treated we can again pump the water for reuse on golf courses or irrigation systems where it will return to nature and begin the cycle all over. Each spring as the conferences begin for the year, I am reminded of this full circle as we exhibit in both water and wastewater conferences. Please stop by our booths and say hello so that we can show you some of the exciting products that will allow you to send your water the full circle.




PumpTech Pipeline - Spring 2016

Publisher

Doug Davidson

Editor

Ashley Degner

Editorial Advisory Board

Tom Long, Service

Chris Suskie, Operations

Ed Smith, Municipal Sales

Mike Shoemaker, Industrial Sales

Jack Boyd, Packaged Systems

Jim Joyce, Process Sales

Mussè Olol, Engineering

Mark Miller, IT

PumpTech Pipeline

A Publication of



METERMAN
Pump Systems
"For The Best In Flow Technology"



Click below to subscribe to the email version of Pipeline
newsletter@PumpTechnw.com

Upcoming PumpTech Participating Events

- 5/4-6 - PNWS / AWWA Convention—Boise, ID
- 5/15-16 - Idaho Operators Conference-Boise, ID
- 5/18-19 - PEO Conference—Eugene, OR
- 5/25-26 - EMC 2016 Convention—Seattle, WA
- 5/25-26 - WWCPA Spring School—Ocean Shores, WA
- 6/13-14 - Cornell Distributor Meeting—Portland, OR
- 6/19-22- ACE'16—Chicago, IL
- 8/16-8/18 - Oregon Operators Conference –Canyonville, OR
- 8/17-8/20 - OAWU Summer Classic –Seaside, OR
- 8/30-9/1 –ERWOW Fall Conference –Grand Mound, WA

