



## NEWEA Industrial Wastewater Conference

June 25, 2018

Cataqua Public House, Portsmouth, NH

### Agenda – Monday, June 25, 2018

- 8:00 AM**                      **Registration/Continental Breakfast/Exhibit Hall**
- 8:45 AM**                      **Welcome and Opening Remarks**  
Ray Vermette, NEWEA President-Elect  
Sarah White, Chair, Industrial Wastewater Committee
- 9:00 AM**                      **Quantum Biopower—WE WANT OUT!! Turning a Regulated Discharge into a Product**  
Mike Curtis, Quantum Biopower
- 9:30 AM**                      **Industrial Treatment at the Pease Wastewater Treatment Facility**  
Patrick Wiley, City of Portsmouth, NH
- 10:00 AM**                     **Break**
- 10:15 AM**                     **Industrial Pretreatment and Portsmouth— Relationships Built from Permitting and Regulating Industries**  
Terry Desmarais, City of Portsmouth, NH
- 10:45 AM**                     **Redhook Industrial Pretreatment—Challenges and Opportunities of Pretreating Brewery Wastewater**  
Alexander Ramsey and Tietjen Hynes, Redhook
- 11:30 AM**                     **Lunch**
- 12:15 PM**                     **Facility Tour – Brew Process**  
Built in 1996, the Redhook Ale Brewery was expanding its production from the west coast – where in Seattle, Redhook was outselling Budweiser! In just a few short months, the brewhouse, refrigerated warehouse, “cellars” and bottling and keg lines were constructed and equipment readied for the first batches of beer to be brewed. A tour through the brewery will showcase the brewhouse, cellars, Redhook history and brewing explanation – as well as a tasting.
- 1:30 PM**                     **Facility Tour – Industrial Pretreatment System**  
The brewery uses malt/grain, hops, yeast and water to make delicious beer – but the cleaning, high strength brewing residues and byproducts would wreak havoc on the small municipal wastewater plant just half a mile from the brewery. This resulted in Redhook being required to “pretreat” its brewery waste before being discharged to the City Sewer and Wastewater Treatment System – and have their wastewater discharge be regulated by the City of Portsmouth under an Industrial Discharge Permit. This tour will showcase the sumps, screens, tank layout and route of wastewater from the brewery and through the pretreatment plant before discharge to the City.
- 3:00 PM**                     **Closing Remarks/Adjourn**