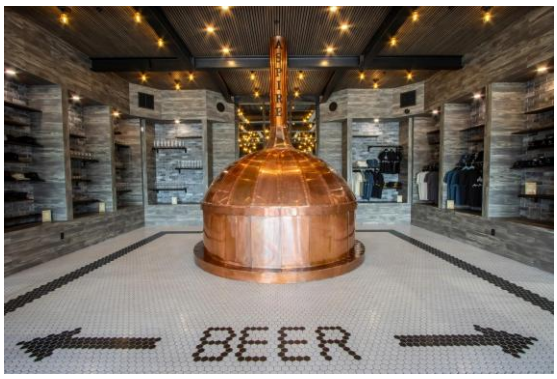
Aspire Brewing – Middletown, NY



Challenge:

Aspire Brewing generates variable-strength process wastewater with **low and fluctuating pH** (ranging from3-11) due to brewing and cleaning operations. Prior to discharge, the wastewater needed **reliable pH neutralization** to maintain compliance with local sewer discharge limits and avoid fines and surcharges, while keeping operations simple for brewery staff.

Effluent from F&B processing sites such as breweries can have widely fluctuating pH which can cause havoc on downstream treatment plants

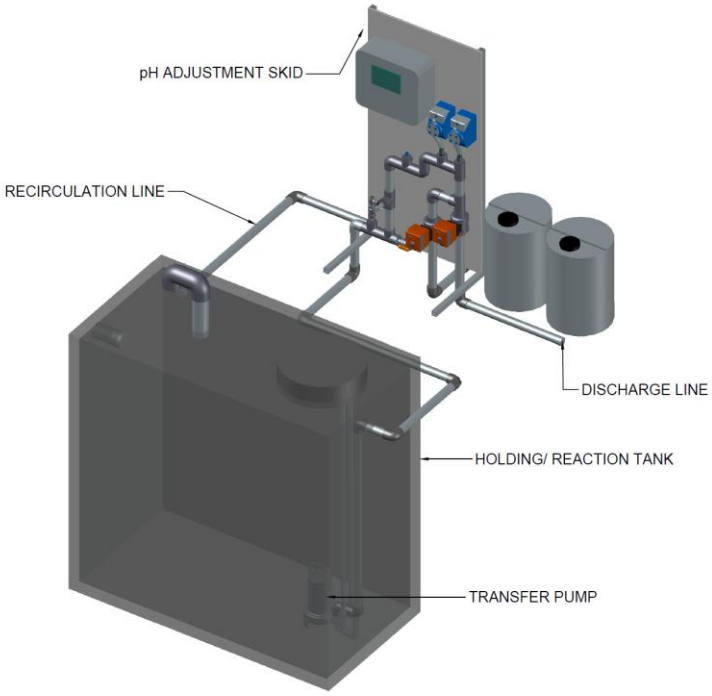
Solution:

Enereau designed and supplied a compact pH adjustment skid integrated with an existing wastewater holding tank. The system provides automated pH correction prior to discharge, minimizing operator intervention and ensuring consistent compliance.

Key system features included:

- Inline **pH monitoring and control**
- Automated **chemical dosing** to raise pH to target range
- Integration with an existing **equalization / holding tank**
- **Flow totalization** for discharge tracking and reporting
- **Automatic flush sequence** to prevent scaling and fouling of probes and piping

Skid mounted pH system regulates wastewater and controls discharge to drain only when in acceptable range (pH 6-8)



Wastewater is collected in holding tank and transferred to the pH skid in a recirculation loop. The pH is monitored and adjusted automatically by inline dosing pumps. When wastewater is within target discharge range a diversion valve transfers the treated effluent to drain.

Results

- Consistent pH compliance prior to discharge
- Reduced risk of permit exceedances and enforcement actions
- Minimal operator oversight requir ed
- Improved visibility into wastewater volumes via flow totalization
- Reliable operation under variable brewery production conditions

Applications

- Breweries and cideries
- Food & beverage processors
- Industrial users with pH-limited discharge permits
- Pre-treatment ahead of municipal sewer or downstream treatment