



# WASTEWATER TREATMENT OPTIONS FOR BREWERIES

# WASTEWATER DISCHARGE OPTIONS

- To municipal sewer (most common scenario)
- To a receiving surface water body (ex. river or lake)
- Hauled away for off-site treatment



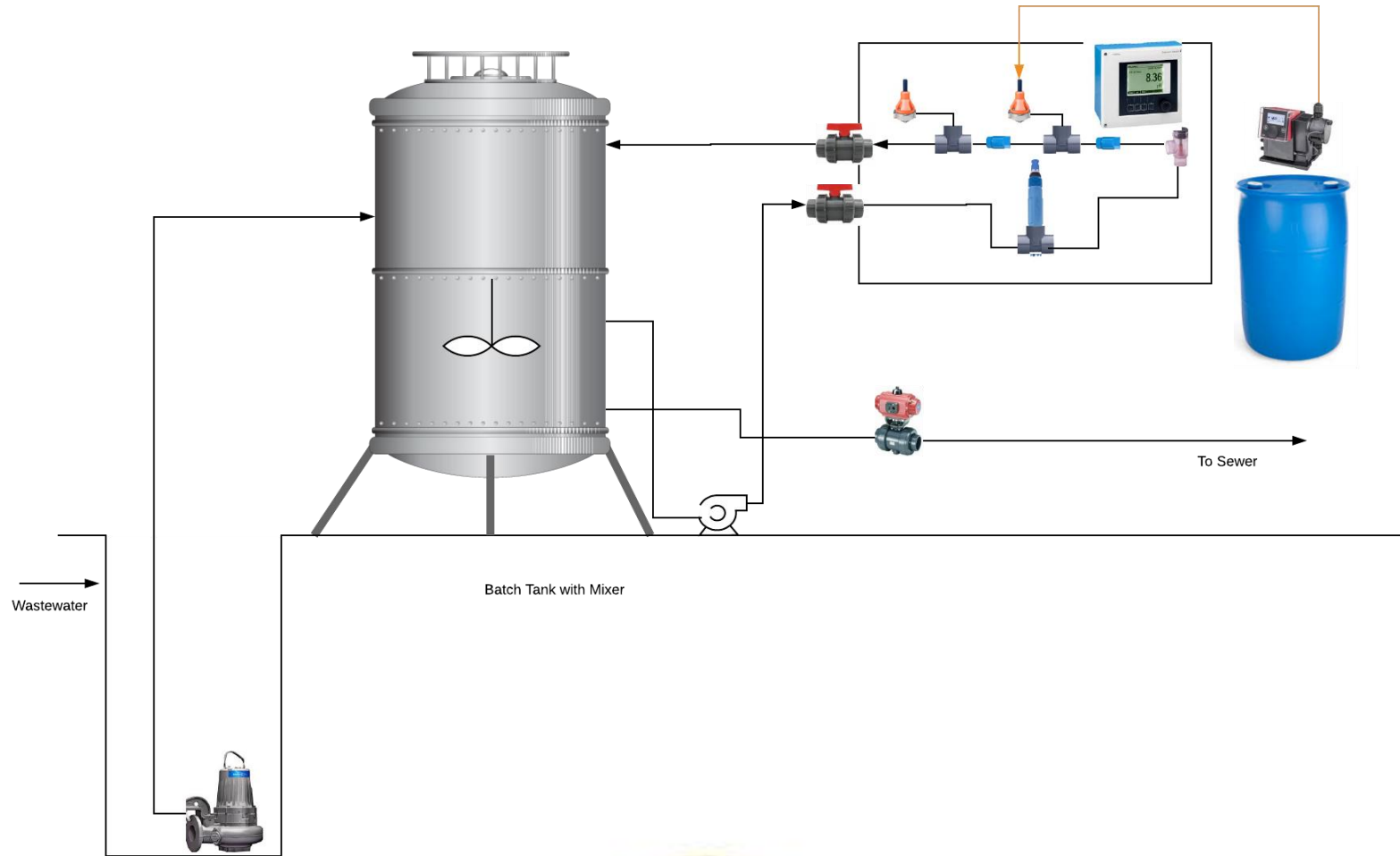
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# DISCHARGE TO MUNICIPAL SEWER

- Brewery located in an urban setting
- Wastewater will go to municipal wastewater treatment facility through the sewer network
- Discharge limits: equivalent to the strength of domestic sewage (e.g. 300 mg/l BOD, 350 mg/l TSS, neutral pH, etc.)
- Pre-treatment usually required if industry produces higher strength wastewater
- Municipalities may allow higher strength but will charge
- Some contaminants are non-surchargeable (not wanted)
- Business responsible for treatment costs

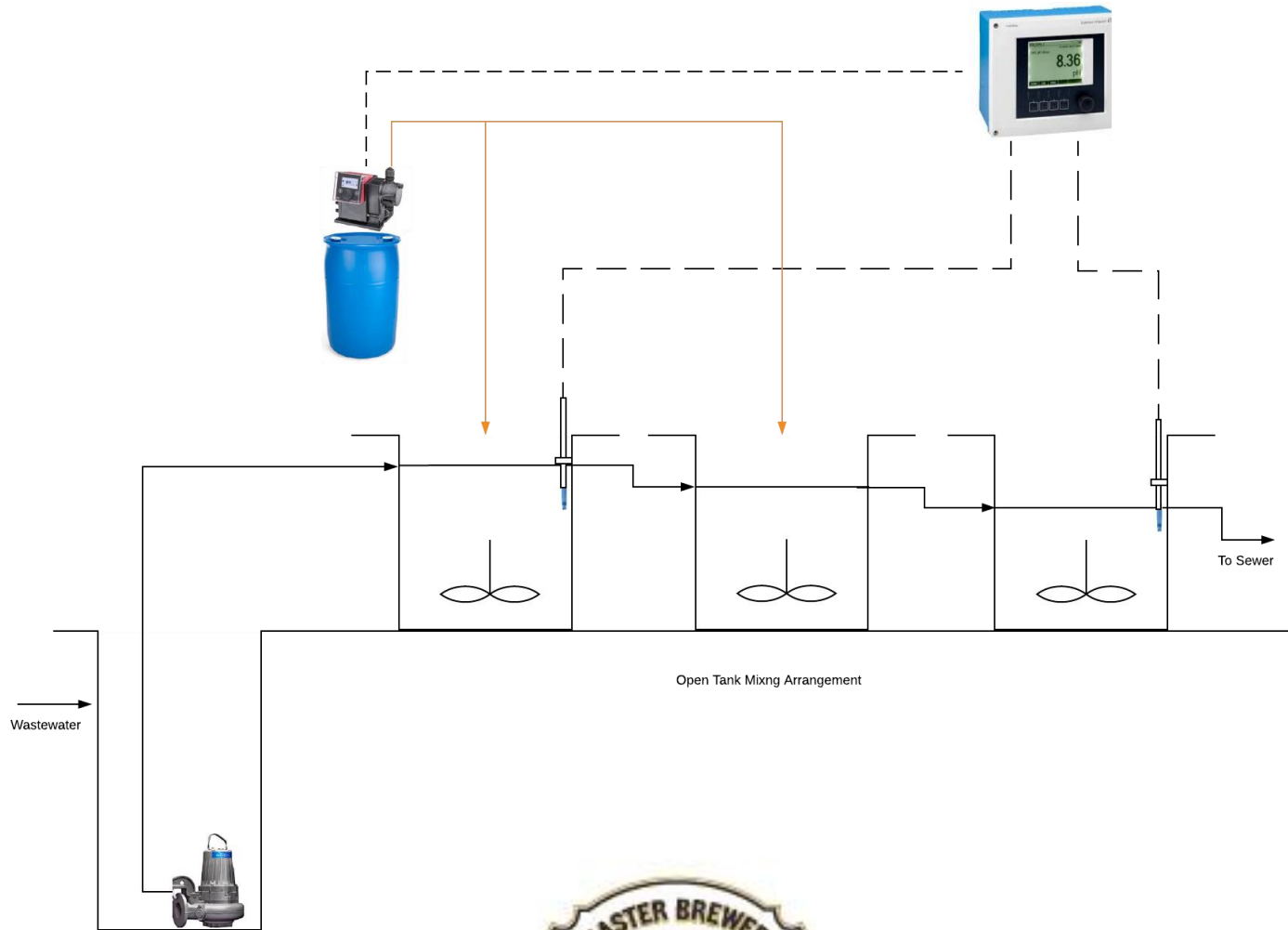


# BATCH TANK - PH ADJUSTMENT



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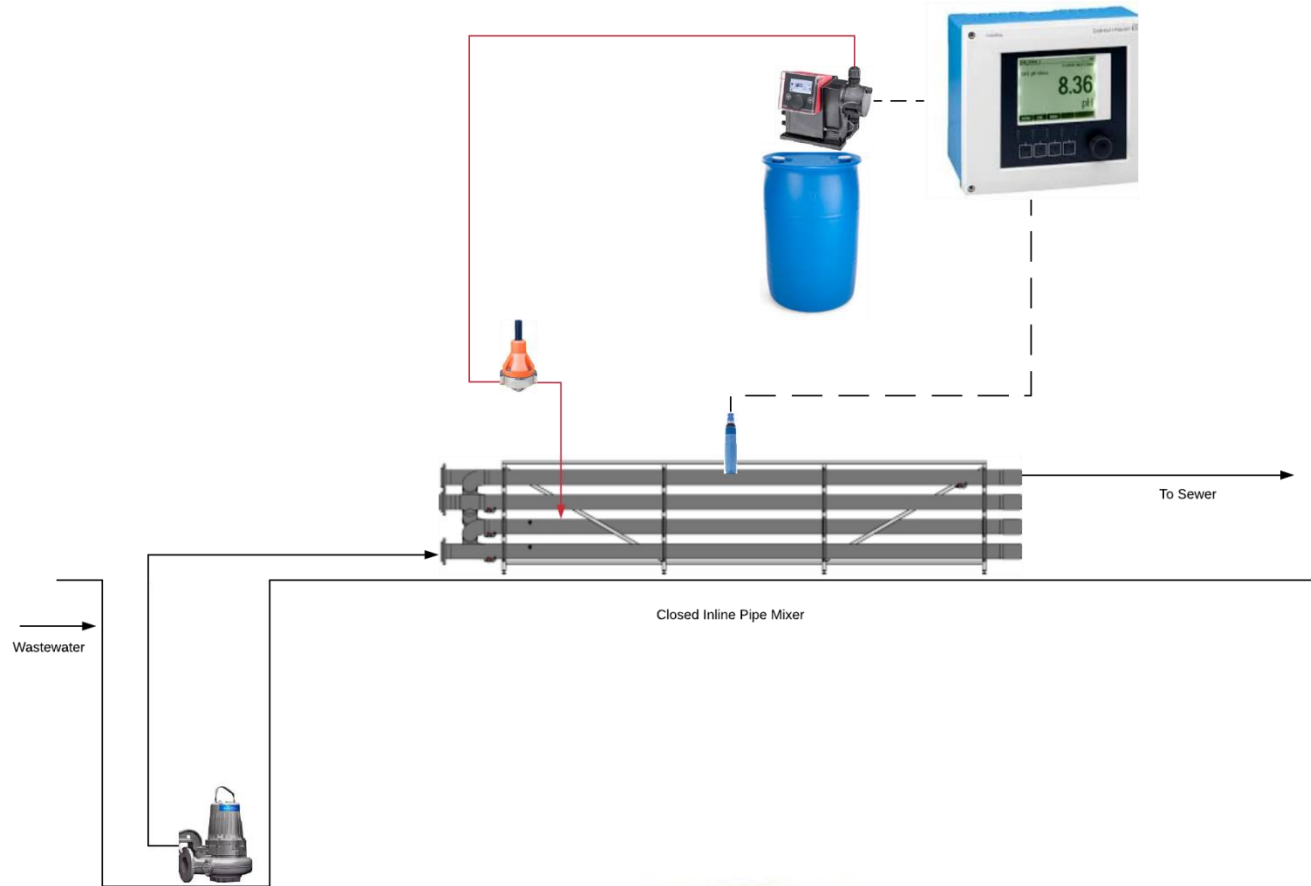
# INLINE TANK MIXER - PH ADJUSTMENT



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# INLINE PIPE MIXER - PH ADJUSTMENT



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**THANK YOU!**

**MATTHEW MARION**

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