

Information Item: Microbreweries and Brewpubs Update

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Environment Committee: May 12, 2015



MCES Pretreatment Program Functions

- **Issue/administer Industrial Discharge Permits for industrial customers**
- Conduct inspections/wastewater monitoring projects to check compliance/strength levels
- **Take enforcement actions when violations occur**
- Respond to treatment plant/sanitary sewer system problems caused by improper discharge

Additional MCES Pretreatment Program Functions

- **Administer charges for high strength industrial wastewater, based on TSS/COD**
- Hauled Waste Program for septic tank sludge/other trucked wastewater
- Program to accept landfill leachate/contaminated groundwater from cleanup sites
- Pollution Prevention and source reduction
- Mercury source evaluation and reduction
- **Investigate emerging pollutants/new industrial customers**

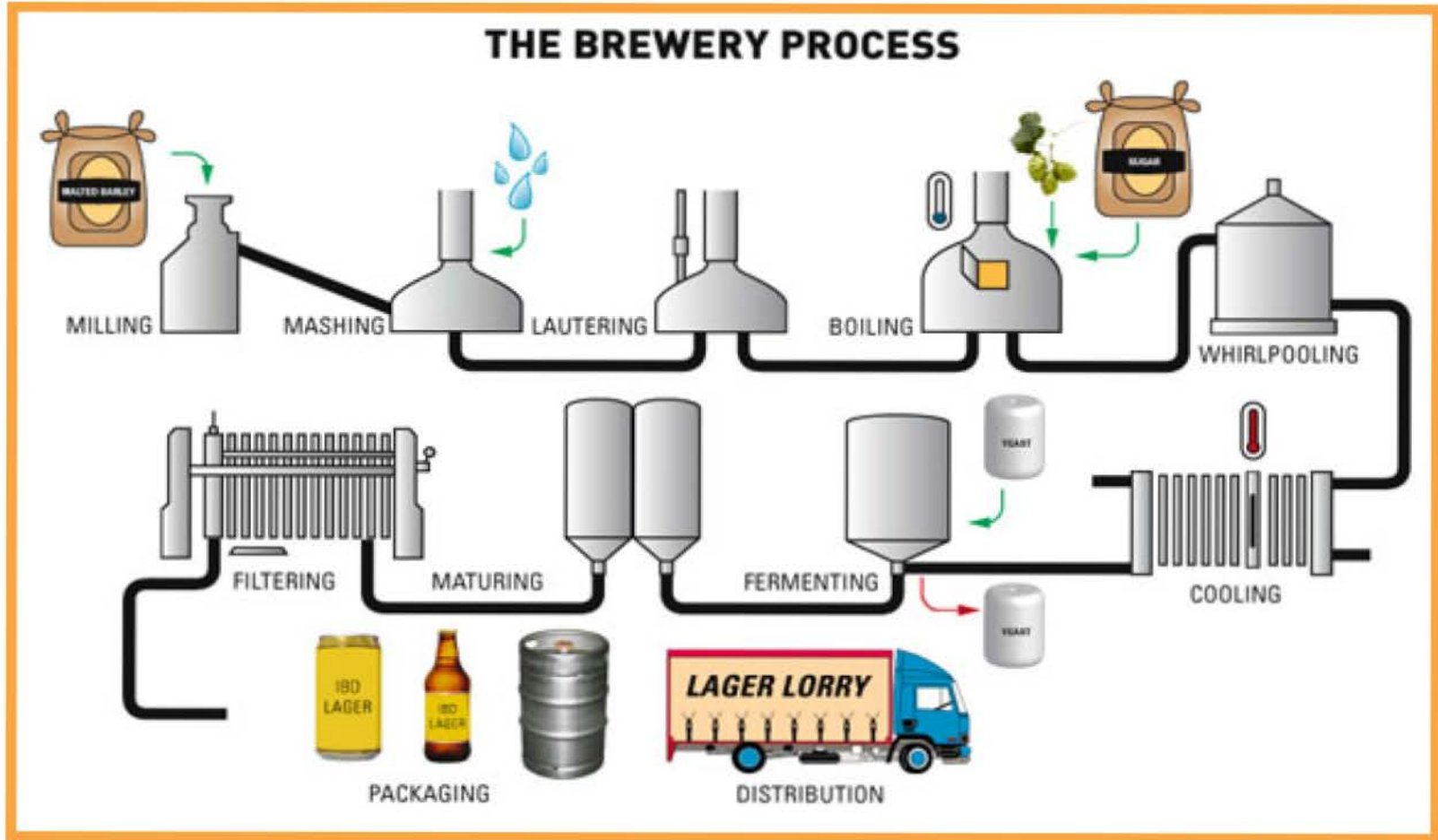
MCES Permit Summary

- 558 Standard Permits (connected)
- 84 Liquid Waste Haulers (trucked waste)
- 104 Special Discharge Permits
- 102 General Permits
 - Water supply plants
 - Zero categorical dischargers
 - **Microbreweries/Brewpub**

Twin Cities Big Breweries

Past	Present
Schmidt	Summit
Stroh's	Surly
Grain Belt	

Brewing Process



Wastewater Concerns

- pH
- Temperature
- High strength
- Non-contact cooling water
- Spent grains & yeast disposal

Summer Intern Project

IWPP Approach:

- Summer 2012
 - Lists, surveys, inspections, monitoring
- Summer 2013
 - Best Management Practices (BMPs)
 - General Permits

Now and Future

- 11 General Permits for Microbreweries
- 4 General Permits issued to Brewpubs
- The work continues

Questions