

MechSE WELLness

W04 Enhanced Water Quality

Intent: Provide access to drinking water without unpleasant taste, odor, and appearance.

Even when health-based thresholds are met, water can be unappealing to drink due to contaminants that affect taste, odor, and appearance, sometimes called ‘nuisance chemicals’. For example, high concentration of iron results in a reddish color, and with chloride a more salty taste.

Impact: By managing nuisance chemicals, LUMEB can provide more appealing and palatable drinking water.

What are the requirements to earn this credit?

1. Water delivered to LUMEB for human consumption meets stricter thresholds for aluminum, chloride, fluoride, manganese, sodium, sulfate, iron, zinc, and total dissolved solids to provide the best taste, odor, and appearance of our drinking water.

How is MechSE accomplishing these requirements?

Our Director of Facilities & Operations annually receives and reviews two water quality reports, one from American Water and another from campus Facilities & Services. Champaign-Urbana enjoys very high quality water that meets the requirements above. Our source of water is the local Mahomet Aquifer. This aquifer, ranging from 50 to 200 feet thick, supplies over 100,000,000 gallons of water per day to 15 counties, including Champaign County.



UNIVERSITY OF
ILLINOIS
URBANA-CHAMPAIGN