



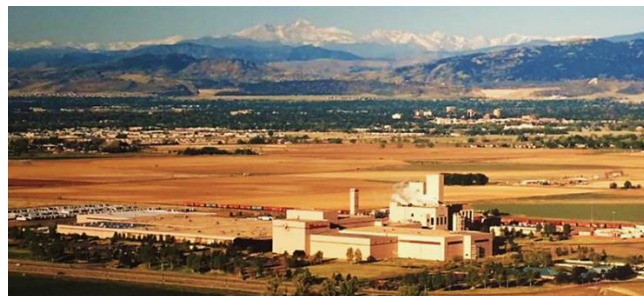
**American Institute of Chemical Engineers,  
Cleveland Section**

Visit our Web Page at:

<https://www.aiche.org/community/sites/local-sections/cleveland>

Join our LinkedIn Group called:

[AIChE Cleveland Section](#) and let colleagues know it is available



**Wednesday, January 25, 2023**

Shula's 2 Steak & Sports, Independence, OH 44136, OH

**Sustainable Processes at Anheuser-Busch, Inc., USA**

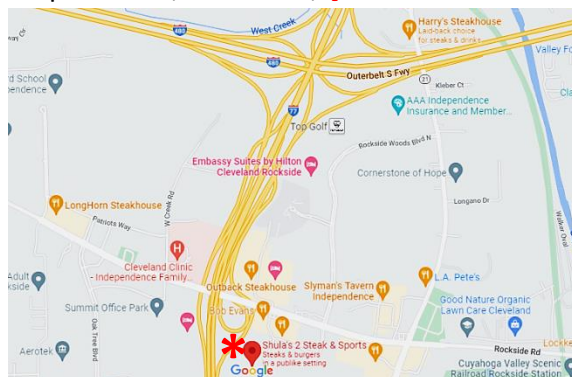
**Abstract:** Aside from Anheuser-Busch, Inc. being the largest brewer in the U.S., it has been working on sustainable processes for five decades that would convert any waste products into useful secondary by-products. Ranging from CO<sub>2</sub> collection from fermentation for production of O'Doul's; Clean-in-Place system post-rinse water collection and recovered for pre-rinse water use; spent grains digested to make methane for steam generation; spent hops liquor evaporated to produce molasses; and waste beer collected and distilled to generate ethanol, we will investigate these processes to better understand their sustainable implications. The Environmental, Social, and Governance (ESG) parameters are three central factors in measuring the sustainability and social impact of an investment in a business and in our standard of living (or quality of life). We will be analyzing some A-B processes with respect to ESG parameters during this presentation.

**Speaker:** Joe Yurko was with Morrison Knudsen Corporation as a senior process engineer for 22 years. During his time at MK, Mr Yurko was assigned to multiple Anheuser-Busch, Inc. projects from front-end process engineering design, to detailed engineering process design, to construction checkout, to systems commissioning and startup, and to operator training. During his tenure Mr. Yurko has achieved the Anheuser-Busch, Inc. level of Subject Matter Expert in Brewing, Fermentation, and Finished Beer operations working across 13 U.S. breweries. Joe is presently the Cleveland AIChE Section Newsletter Editor. Mr. Yurko retired in 2020 from Xellia Pharmaceuticals (Novo Nordisk a/s) as a project lead engineer. He was with Xellia for four years overseeing the process design, construction, and commissioning of sterile injectable parenteral systems in two factories for the production of Vancomycin. This facility is cGMP compliant as well as licensed and regulated by the Food and Drug Administration (FDA) and the European Medicines Agency (EMA). Mr Yurko's previous work as a senior project engineer was with Ben Venue Laboratories (Boehringer Ingelheim GmbH) overseeing four cGMP factories and a pilot plant for 12 years manufacturing chemotherapy parenterals regulated by the FDA, EMA, ANVISA, PMDA, and TGA agencies.

*Please email Joseph Yurko if you plan to attend the presentation. An AIChE Continuing Professional Development certificate will be emailed to you after the meeting. Thank you!*

**Meeting Location:** Shula's 2 Steak & Sports, 6200 Quarry Lane, Independence, OH 44131, \* Phone 216-901-7852

6:00 – 6:30 pm: Gathering & Beverages  
 6:30 – 7:30 pm: Dinner  
 7:30 – 8:30 pm: Presentation



**Cost:** Only Students \$5 meal; everyone pays \$5 room rental  
 Attendees will receive one complimentary A-B beverage, i.e., Budweiser, Bud Light, or Michelob Ultra

**Menu:** Everyone orders from the menu, [shulas.com](http://shulas.com)  
[http://places.singleplatform.com/shulas-steak-house-8/menu#menu\\_2237822](http://places.singleplatform.com/shulas-steak-house-8/menu#menu_2237822)



**RSVP by Monday, January 23<sup>rd</sup>** with Joseph Yurko and AIChE: [yurkojoe5@gmail.com](mailto:yurkojoe5@gmail.com)

**Cleveland Section 017 of  
 THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS  
 Steering Committee 2022 - 2023**

