

American Institute of Chemical Engineers, Cleveland Section

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

Tuesday, May 20, 2025, 3:00 PM

AICHE Membership is Not Required to attend any meetings



"Perry Nuclear Plant Reactor Simulator Tour with a Protected Area Plant Tour Walkthrough"

Note: The number of visitors is limited to 18 people due to room size.

A second similar tour is hoped to occur in May 2026 if possible.

Perry Nuclear Power Plant Tour, Perry Township

10 Center Rd Perry, OH 44081; (T) 440-280-5241

For the Perry Nuclear Power Plant Tour the 18 Visitors are Required to:

The director of engineering and manager of security said we're good to proceed with a tour inside the Protected Area following the Simulator Tour on May 20th. Security stressed "There is no photographing by tour participants while on site. With the number of cell phones in this group I would like the escorts to be on the look for this. If possible, please collect phones prior to entrance into the Protected Area to avoid unauthorized photography." Just so you are aware. Please start to compile the list of individuals and their necessary information so I can start to get background checks ran ASAP. Let Jacob know if you have any further questions. He is looking forward to this upcoming tour! Have the attendees send their SSN, legal name as appears on ID, and place of birth/US citizenship status to Jacobs email as he will have to enter it into his access authorization database. Bring the driver's license/passport/valid government photo ID the day of the tour so we can verify identities at the security control point.



Abstract of Simulator Tour (3-4 pm):

The Perry Nuclear Reactor Simulator is a full scope NRC certified machine. A nearly exact replica of the plant control room. All switches and computer interfaces are designed to act as they would in the plant, giving the operators full control of all plant systems. The simulation is driven by a desktop computer designed by CORYS Dynamic Simulation.



Biographies, Simulator Tour:

Raleigh Chiarelli, Simulator Lead, Perry Nuclear Power Plant

Mr. Chiarelli is Currently the Lead Simulator Technician at the Perry Nuclear Power Plant. He is a Certified Senior Reactor Operator Instructor. In addition, he is an NRC Regulatory Exam Author. He has 10 years as a licensed Reactor Operator at Perry, and 10 Years as a Non-Licensed Operator at Perry. Before Mr. Chiarelli was at Perry, he had 5 years of experience with Molded Fiberglass Research Facility, Ashtabula Ohio, and 6 years with the United States Navy, as an Engineman 2nd Class (SW). Mr. Chiarelli graduated from Conneaut High School, Class of 1990.



Mr. Raleigh Chiarelli

Amandy Nagle: Communications & Media Relations Specialist; Vistra, Perry Nuclear Power Plant

Ms. Nagle is currently the Communications & Media Relations Specialist with the Perry Nuclear Power Plant for 7 years. Previously, she was the Communications Coordinator for University Hospitals Rainbow Babies and Children's Hospital Injury and Prevention Center for 9 years. Ms. Nagle earned her Bachelor of Science Degree in Journalism, Public Relations from Bowling Green State University, Class of 2009.



Ms. Amanda Nagle

Abstract of Plant Tour (4-5 pm):

Following a demonstration of the Control Room Simulator, a plant tour inside the Protected Area will be hosted by Plant Support Engineering. Infrastructure utilized for safe and effective operation such as the service water/emergency service water pump houses, cooling tower, circulating water pumps, spent fuel pad, and more will be seen. Given the nature of security at the plant, access for visitors to enter the Protected Area requires full legal name, social security number, and U.S. citizenship. Join us as we educate the public on how our site safely generates 1300+ Megawatts to the grid for zero carbon emissions!

Biographies, Plant Tour:

Jacob Mikulcic: Plant Support Engineer, Perry Nuclear Power Plant, Jacob.Mikulcic@vistracorp.com, Vistracorp.com
Bachelor of Chemical Engineering, Cleveland State University Class of 2023

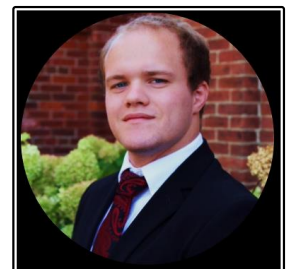
Mr. Mikulcic has been working in the nuclear industry for 2 years. As a Cleveland State alum and a previous officer of his school's AIChE chapter, a tour at Davis-Besse Nuclear Power Plant piqued his interest in the world of nuclear. He is a growing industry expert on mechanical seals utilized in main reactor pumps with an aptitude for the Reactor Recirculation system and its importance to the plant. His other responsibilities include thermal performance of the nuclear generating station, troubleshooting plant issues, developing preventative maintenance strategies, and tracking of Reactor Coolant System Technical Specification parameters.



Mr. Jacob Mikulcic

Nathaniel Kehn: Site Lead Engineer on Filter Demineralizer Systems, Vistracorp.com
Bachelor of Chemical Engineering, University of Dayton Class of 2020

Mr. Kehn has been working in the nuclear industry for 5 years. He completed two co-op rotations at the Perry Nuclear Power Plant before being hired on full time following graduation. As the site lead on Filter Demineralizer systems as well safety related heat exchangers, he oversees testing and maintenance on these systems. He is also responsible for overseeing the function of fire protection systems onsite. His experience includes conducting infield testing, data review, and calculation development, technical project lead, and outage project lead.



Mr. Nathaniel Kehn

For those attending this event, a Professional Development Hour Certificate (2 PDHs) will be sent to you in the following days by Joe Yurko. In addition, any photos and the presentation from the evening will be posted onto the CLE AIChE Website as all other meeting photos and presentations are posted with the monthly newsletters.

Meeting Location: **Perry Nuclear Power Plant** (see map below)
10 Center Rd 3:00 – 4:00 pm: Nuclear Reactor Simulator Tour
Perry, OH 44081 4:00 – 5:00 pm: Plant Tour, Walkthrough
440-280-5241 5:30 – 7:00 pm: Dinner

PARKING at Visitors Entrance
for Simulator Tour

Dinner: The Village Pub: All ordering from menu.
Note: All four Perry Tour Guides are invited to attend the dinner at the Village Pub following the conclusion of the second tour of the Protected Area at approximately 5:30 PM as guests of the CLE AIChE Local Section.

Menu: <https://villagepubperry.com/menus>



Dinner RSVP Required by Monday 19May2025? with Joseph Yurko and AIChE at: yurkojoe5@gmail.com

The Village Pub (Dinner); following the final Perry Tour, from 5:30 PM to 7 PM

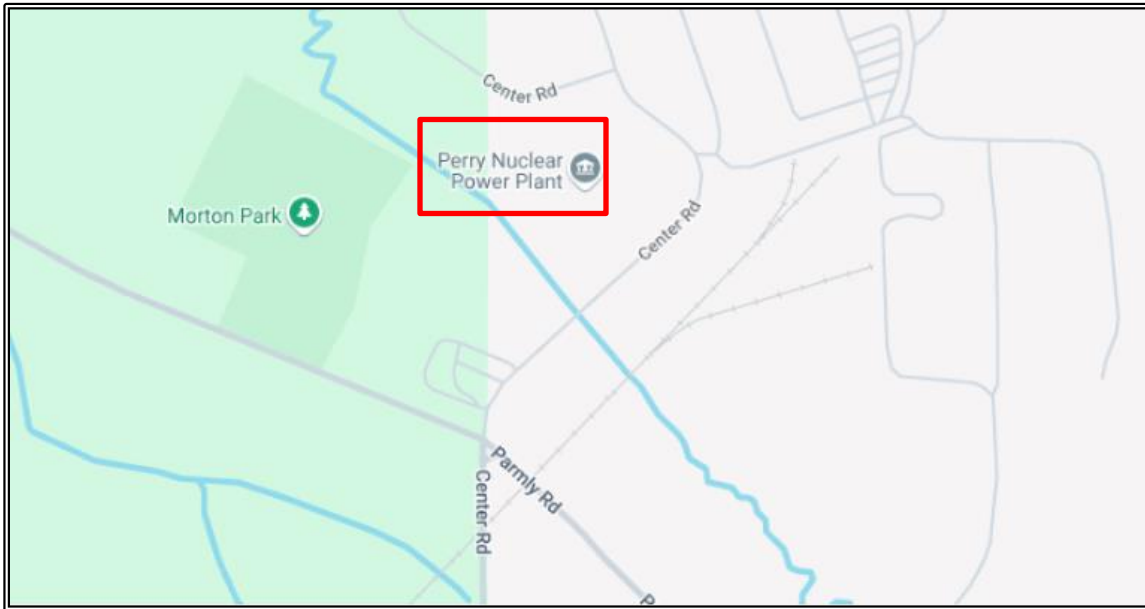
3759 Center Road
Perry, Ohio 44081

440-259-8391



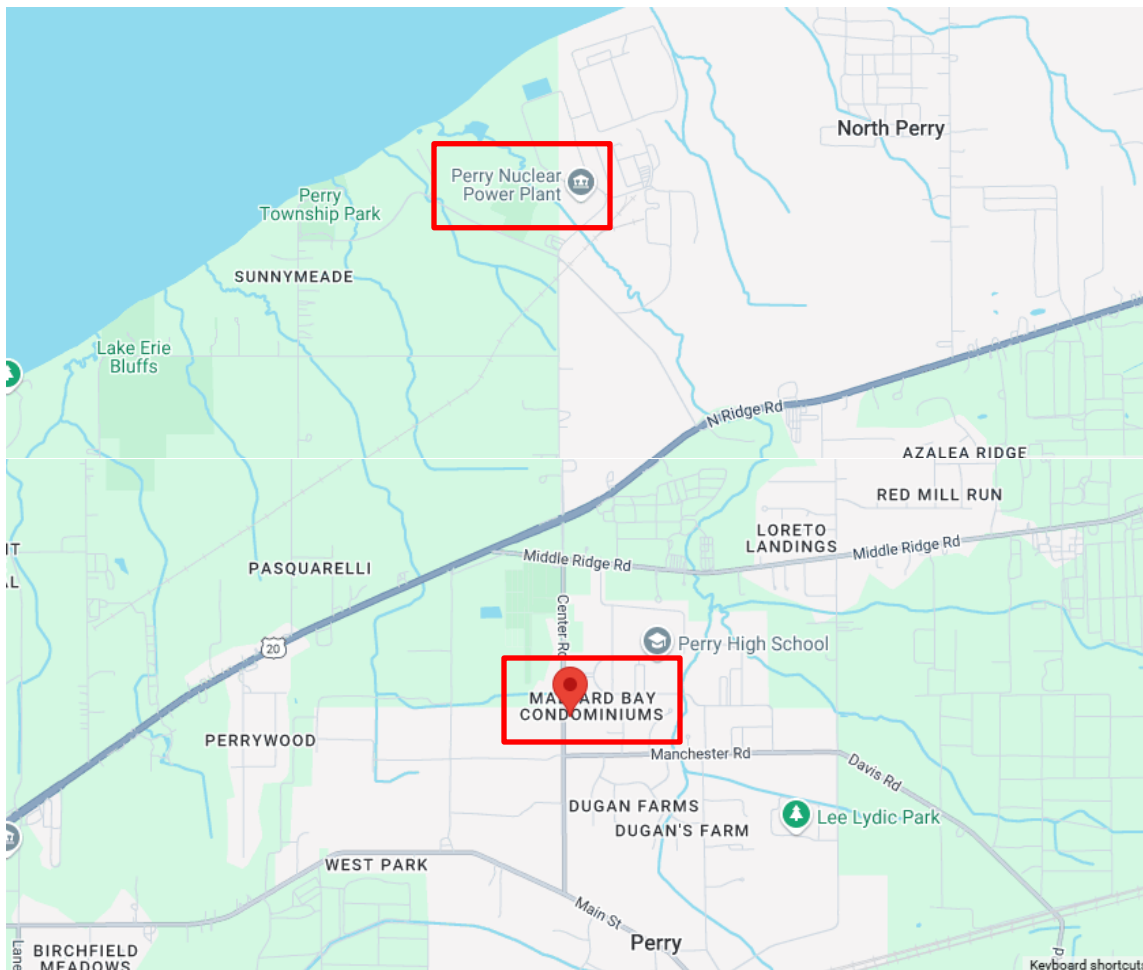
Perry Nuclear Power Plant, Perry Township

10 Center Rd Perry, OH 44081; (T) 440-280-5241



The Village Pub

3759 Center Road; Perry, Ohio 44081; 440-259-8391



CLE AIChE: Cleveland Chapter

Fall 2024 – Spring 2025 Program Planning

(as of May2025)

| Month | Topic, Speaker | Location | AIChE Officer Responsible |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| September 7, 2024 (6 PM) | Oktoberfest Social Event | German Central Farm, Parma | Joe Yurko, \$7/guest admission + \$ food & beverage free for CSU AIChE students. https://germancentralfoundation.com/oktoberfest |
| September 11, 2024 (Wednesday) 2:30 – 3:30 PM | Dr. Yu, CSU, IEEE Quantum Computer | CSU, Engineering CSU AIChE & IEEE Students | Joe Yurko & Dr. Gatica, Dr. Holland, Members: \$10; Students: Free CLE AIChE: Pizzas & Beverages |
| October 10, 2024 (Thurs. 6 PM) | M.W. Wilson Company Steam Safety Class & Tour | M.W. Wilson Company 2579 Center Road Hinckley, OH 44233 | Joe Yurko, Jeff Wilson, Dinner provided by M.W. Wilson Co. ? M.W. Wilson Co.: 330-225-0663 https://www.wmsilsoncoinc.com |
| October 2024 (6 PM) Wed. 16Oct2024 Wed. 30Oct2024 Wed. 06Nov2024 | Chemical Process Safety Analysis Seminars: by Gurmukh Bhatia, CPSA | Strongsville Fire Dept. Ward 1 Community Rm 11297 Webster Road, Strongsville, OH 44136 | Joe Yurko, Dinner cost is included in the seminar expense. Seminar expense: \$25 per session with a total of 3 sessions. Certificates will be awarded for each class as well as a final certificate. std: 440-580-3210: |
| November 13, 2024 (Wednesday) (4:00 – 6:00 PM) | Benjamin A. Horwitz "Portrait of a Chemical Engineer" Career Discussion with students and professionals | CSU AIChE Section Joint Meeting, Washkewicz College of Engineering AIChE Chap | Joe Yurko, Dr. Gatica, Dr. Holland, CLE AIChE Meals: Professional members: \$10; Students: Free CLE AIChE: Pizzas & Beverages |
| December 17, 2024 (6 PM) | Nuclear Power Accident Analysis, Speaking: Andrew Obrablo, Vistra Life Cycle Manag. Fleet Engineer | The Sanctuary, Rockside Road Independence, 44131 | Joe Yurko, Dinner menu ordering for professional members; Students cost: \$5 http://places.singleplatform.com/shulas-steak-house-8/menu/menu_5599999 |
| January 28, 2025 (6 PM) | SARTA Hydrogen Fuel Cell Bus Fleet Expansion Funding from DOE ARCH2 Award, Kirt Conrad CEO | Burntwood Tavern Fairlawn, Akron Rt. 18 and I-77 | Joe Yurko, Dinner menu \$26 ordering for professional members; Students cost: \$5 Lobster Bisque Soup or House Salad Salmon Salad, or Angus Burger, or Fish & Chips |
| February 27, 2025 (6 PM) Cancelled March 13, 2025 (6 PM) Rescheduled March 26, 2025 at CSU (6:30-8 PM) | 1978 Diamond Shamrock plant Fortran Simulation Startup Presentation Speakers: Dr. Fowler, Dr. Harvey Benjamin A. Horwitz, Seminar "The Good, The Bad, & The Ugly" Chemical Process Simulation, YPs | The Sanctuary, Rockside Road Independence, 44131 CSU Student AIChE, Seminar WH-405, Washkewicz Hall March 26, 2025; 5:30-8 PM | Joe Yurko, Dinner menu ordering for professional members; Students cost: \$5 http://places.singleplatform.com/shulas-steak-house-8/menu/menu_5599999 Mike Galgoczy & Joe Yurko: Dinner: Pizza, professional members: \$10; Students: Free. AIChE Students to bring their PCs for workshop with simulation case studies |
| April 4, 2025 at CWRU (12 noon – 2 PM) April 9, 2025 at CSU (2:30 – 3:30 PM) | Benjamin A. Horwitz, Seminar "The Good, The Bad, & The Ugly" Chemical Process Simulation, YPs Dr. Andrew Zak, YP Speaker: Academic Career Path with ChE PhD (CSU Alumni) | CWRU Student AIChE, Seminar AWS-349, AW Smith Building April 4, 2025, 12 noon-2 PM CSU Student AIChE, Presentation WH-405, Washkewicz Hall April 9, 2025; 2:30 – 3:30 PM | Mike Galgoczy & Joe Yurko: Dinner: Pizza, professional members: \$10; Students: Free. AIChE Students to bring their PCs for workshop with simulation case studies Beverages: Free to all |
| April 29, 2025 (5 PM, Tuesday) | NEOSEF Awards Banquet | CCPL Branch Library Parma, Snow Road | Joe Spagnuolo, Moderator NEOSEF Students, CCPL Branch Library Dinner: Pizza, professional members: \$10; Students/Families: Free |
| May 20, 2025 (Tuesday (3 PM)) | Tour of Perry Nuclear Power Reactor Simulator and Plant | Perry Nuclear Power Plant & Simulator Tour 18 visitors | Ray Zucker, Joe Yurko and Mandy Nagle (Vistra, Communications) Simulator Tour; Nathaniel Kehn and Jacob Mikulic: Perry Nuclear Plant Peripheral Systems Tours. |

