

Engineers' News

May 2018

Vol. LXXX No. 9

www.FortWayneEngineersClub.org



Find us on 

May Tour



**T H R E E
R I V E R S
D I S T I L L I N G C O .**

[Three Rivers Distillery](#)

[224 E Wallace St, Fort Wayne, IN 46803](#)

Thursday, May 24th at 5:30 PM

Tour participants MUST be >=21

Three Rivers Distillery is Northeast Indiana's first craft distillery since Prohibition, proudly located in Fort Wayne. Their wheat and corn are grown within 100 miles of the downtown Fort Wayne distillery and each of their craft spirits has a Fort Wayne influenced name. FWEC tour participants will get a close glimpse into the production of small-batch spirits from grain to glass.

Free Tours of City Utilities Plants

Have you ever wondered where the water comes from that you use every day for drinking, cooking and bathing and where it goes after you've used it? Fort Wayne City Utilities invites you to explore how drinking water is produced and how sewage is treated during free tours at the Three Rivers Water Filtration Plant and Water Pollution Control (sewage treatment) Plant. You'll learn about the processes and the testing that goes on to ensure that your water is clean and safe when it comes out of the tap and that it is as clean as possible when it returns to the river after you've used it.

City Utilities will conduct free guided tours of the Water Pollution Control Plant and Three Rivers Water Filtration Plant over the next several weeks.

At the Water Pollution Control Plant located at 2601 Dwenger Avenue visitors will learn how the plant operates, visit the award-winning lab and view its high powered microscope and learn about the importance the plant plays in our daily lives. The tour will involve walking on several surfaces, including gravel, and attendees should not wear open-toe shoes or flip-flops.

Named the P. L. Brunner Water Pollution Control Plant, the Fort Wayne facility provides sewage treatment for more than 315,000 area residents in Fort Wayne, New Haven, Leo-Cedarville, Maysville, Grabill, Zanesville, Hometown, Arcola and many homes and businesses in unincorporated areas of Allen County. Currently, the plant has the capacity to treat 100 million gallons of sewage per day. Last year, the plant treated nearly 17 billion gallons of sewage for the year. The plant has been serving the community since 1940.

The Three Rivers Water Filtration Plant located at 415 Baltes Avenue will offer a free guided tour from 10:00 AM-noon. The plant opened in 1933 and after several expansions are now able to produce 72 million gallons of water per day. The free tour gives visitors an opportunity to see the plant in operation, interact with staff members and enjoy the architecture of the Collegiate Gothic style building.

List of free tour dates:

Three Rivers Water Filtration Plant – 415 Baltes Avenue

Saturday, May 19; 10:00 AM-noon

Tours News

Free airplane (perhaps also helicopter) rides for ages 8-17. This is the Young Eagles program of our local Experimental Aircraft Association (EAA, Chapter 2).

The 2018 dates for rides out of Smith Field are (Saturdays) June 9, August 11, and September 8. The official time window is 9:00 am - 1:00 pm but earlier is better to minimize potential crowds, turbulence, and heat.

Electric Works Public Tour The tours are hosted by members of the project development team, who are available to answer questions and provide updates and important information about the project. Tours cover the West Campus, which encompasses all of what will be Phase 1 of the redevelopment and adaptive reuse of the former General Electric campus in downtown Fort Wayne. Phase 1 will include more than 600,000 square feet dedicated to office, education, retail, restaurants/food hall / public market, innovation space and residential. [Click for registration.](#)

Help Wanted

Experienced Mechanical Engineer or Tool and Die Maker needed to fill a position in a small growth-oriented Machine Shop.

Must be experienced in the following areas:

- Blueprint reading,
- Knowledge of GD&T
- Machining techniques,
- Must be able to work well with employees on the shop floor, in the office, and customers.

Experience helpful in any or all of the following areas:

- Job quoting,
- Tool Room machine set-up,
- Workflow through a machine Shop environment,
- Heat Treating, plating's, and coatings,
- Supervising machine shop personnel,
- Training new employees,
- CAD/CAM experience,
- Purchasing and inventory of Material & Tooling.
- Microsoft Office

The position could be tailored to applicant's individual strengths. First shift position, flexible schedule for the right applicant. Semi-retired applicants considered. Twenty miles east of New Haven, In.

Send resume to:

Gordon Tool

1301 State Route 49

Payne, OH 45880

Send to the attention of Bill Gordon

Email: bill@gordontool.com

FY19 FWEC Board Opening



The FWEC is looking for a Vice-President for the FY19 (2018-2019). Board

positions are crucial to the planning of tours and events for the FWEC. Please consult the [FWEC constitution](#) or contact us at info@fortwayneengineersclub.org for information on specific duties on board positions.

FY18 Membership Year FWEC Board

President: [Bharat Rajghatta](#) (260) 615-1869

Vice President: [John Magsam](#) (260) 482-2843

Treasurer: [Ryan Stark](#) (260) 456-0809

Secretary: [Elizabeth Garr](#) (260) 486-0158

1st Year Board Members:

[Dave Gordon](#) (260) 693-2167

[Ryan Stark](#) (260) 456-0809

2nd Year Board Members:

[Rod Vargo](#) (260) 416-0986

[Craig Welch](#) (260) 241-5138

3rd Year Board Members:

[Marna Renteria](#) (260) 744-3407

[Ellsworth Smith](#) (260) 637-6070

Resident Agent: [Ryan Stark](#) (260) 456-0809

Membership & Contact Committee Chair: [Dave Schaller](#) (260) 486-7610

Northeast Indiana DiscoverE Committee Chair: [Rob Cisz](#) (260) 435-0409

Board positions are crucial to the planning of tours and events for the FWEC. Please consult the [FWEC constitution](#) or contact us at info@fortwayneengineersclub.org for information on specific duties on board positions.

Treasurer Trainee for the 2018-2019 Year

The Fort Wayne Engineers' Club is looking for a Treasurer Trainee for the 2018-2019 club year.

Summaries of duties for the Fort Wayne Engineers' Club Treasurer Trainee

- 1: Balance the checking/savings account.
- 2: Prepare a monthly treasurer's report for the officers meeting (1st Tuesday of every month from September to May)
- 3: Prepare a budget draft for discussion at the October board meeting.

- 4: Deposit checks, keep track of petty cash and record/deposit money from PayPal as it comes in.
- 5: Print out new member applications and issue new membership certificates.
- 6: Keep the names, addresses, phone numbers and e-mails up to date for all club members.
- 7: Send out invoices for newsletter adds.
- 8: Send out past dues notices to delinquent club members, first via e-mail, then hard copies.
- 9: Remove delinquent club members from the roster.

The time it takes to perform these duties varies quite a bit from month to month. On average, I estimate I spend about 2 hours per month.

Sincerely,

[Ryan Stark](#)

Fort Wayne Engineers' Club Treasurer

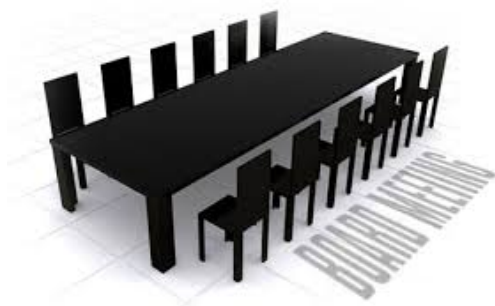
828 W Oakdale Drive

Fort Wayne, IN 46807

260-456-0809

info@fortwayneengineersclub.org.

FWEC Board Meetings



Fort Wayne Engineers' Club board meetings are open to all FWEC members. The next FWEC board meeting will be Tuesday, August 28th at 7:00 PM. Board meetings are held on the [Indiana Tech campus in the Academic Center](#) in room ACC-201.

FWEC Membership



The FWEC exists through funding of its membership. Please forward your copy of the Engineers' News to prospective members and encourage their attendance at tours. Remember, the FWEC is the best deal in town, annual membership is \$10. We offer free monthly tours September through May. Please be sure to recommend FWEC membership to your colleagues and friends.

Advertise in the Engineers' News

The FWEC provides advertising space within the Engineers' News. Advertisements are \$10 per issue and limited to ½ page of content. For submissions please contact info@fortwayneengineersclub.org.

April Tour Summary



[Thunderbirds/ Formula Boats](#)
[2200 West Monroe Street Decatur, IN 46733](#)

FWEC Board Member David Gordon has arranged our April tour of [Thunderbirds/](#)

Formula Boats.

The FWEC was fortunate to have Danny Porter, Chad Johnson and Jason Brune as tour guides of the Formula boat factory in Decatur on April 26, 2018. Many of us have only dreamed of owning any type of boat so these machines were simply mind-blowing. Their products range from 24 feet long to 45 feet with prices ranging from roughly \$150,000 to well over a million dollars.

Their designers use Siemens NX CAD to design the boats and their numerous components. The customers start with a base model selection and have considerable latitude to change interiors and electronics. The engineering team has 15 to 20 engineers on staff at any given time of the year. Each boat consists of approximately 2,000 to 3,000 parts.



It was interesting to see engineering at work in the hull of the boats that most of us would never get to see. The “steps” in the hull allow aeration of the water to provide additional speed. The 4300, for instance, can attain speeds of about 68 MPH. The large “plugs” are the final part in a wood format and are used to create the full-size molds. To say a mold for a 43-foot hull is large and impressive is an understatement. We were able to watch the assembly team roll out the fiberglass on one side of a mold that rotates to allow the team to be able to reach both sides. At least three layers of fiberglass are sprayed and rolled to create a hull.



During the last recession, foreign sales increased, but most of Formulas customers are in North America. Florida accounts for 30 to 50% of sales followed by the NE states. The Porter family does have one on Lake Wawasee if you want to see one around here (or stop by the lobby in Decatur).

We saw all stages of the assembly including subassemblies for the galley (kitchen), head (bathroom) and cabins. We witnessed routing machines for both wood and Corian countertops. Weight is a design constraint that gets a fair amount of attention. We witnessed the sub-assembled decks and hulls coming together and hiding a considerable amount of wiring.



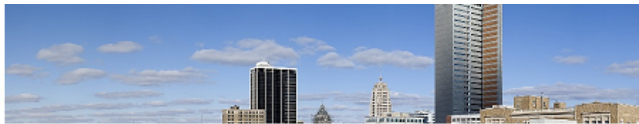
There are generally three graphics options for each model and we witness many white and blue boats, but a black beauty in the final assembly was stunning. Who would have known the building with the most indoor pools in NE Indiana was a boat company? We saw at least six test tanks where boats could be hoisted into these water tanks to test numerous operational parts before shipping.

Formula has re-entered the outboard market and several of the boats had four outboard engines on the back. Not only do they provide more power, but creative use of their capabilities also enhances docking maneuvers, which can now be done with a joystick.



Our thanks to the whole team at Formula for one of the most exciting and interesting tours we have seen in a while. The machines, plant, craftsmanship, and people are all top notch.

Northeast Indiana Chapter Project Management Institute



May 30, 2018 Dinner Meeting - Effective Communications for the Project Manager by Clifford Clarke

Topic: Effective Communications for the Project Manager by Clifford Clarke



Abstract:

Communications is said to be one of the hardest things for an organization to get right. It is no easier for the project manager. In this interactive conversation, Mr. Clarke will explore common communication myths and the characteristics of effective communications. Participants will learn tips to improve their communication.

BIO:

Clifford M. Clarke is president of C² IT Advisors, a strategic information technology advisory firm providing consulting services in the areas of strategic planning, IT assessment and audit, project management, policy development, and governance. He serves as Executive Director of Computer and Technology Services for Ivy Tech Community College – Northeast Region, Fort Wayne, IN and is currently the Chief Information Officer for Public Technology Institute, Washington, DC, the only technology organization created by and for cities and counties to identify opportunities for technology research, to share solutions, and develop best practices that address the technology management, governance and policy issues that impact local government. He is a former Chief Information Officer / Chief Technology Officer for the City of Fort Wayne.

Date: Wednesday, May 30, 2018

RSVP Deadline: Sunday, May 27, 2018

Location: [Don Hall's GuestHouse](#), 1313 W Washington Center Rd, Fort Wayne, IN 46825

5:30 PM – Networking/Social

6:00 PM – Dinner

6:45 PM – Announcements

7:00 PM – Presentation

8:00 PM - Adjourn

- NEIC chapter members: dinner and speaker - \$20
- [In Jobs-Transition](#) or Student Membership - \$10
- Non-members: Dinner and speaker - \$30
- Speaker Only: \$0 (Members), \$10 (Non-Members)
- Pay now with credit card only; pay at door option is no longer available

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