

# Troy Boiler Works

invites you to join us for our current 2023 schedule



## Boiler Training Course



This is a two-day boiler training course for anyone interested in learning about steam fundamentals, boilers, burners, combustion, boiler controls, steam system auxiliaries, and more.

### Here is our current 2023 class schedule!

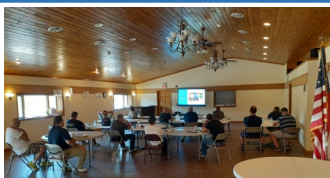
For more details and information on how to register for our courses, please click on the links below, call us at 518-274-2650, or email us at [training@troyboilerworks.com](mailto:training@troyboilerworks.com).

Dates	Location	Click For More Info
January 10 & 11	Fishkill	<a href="#">Fishkill Class Registration</a>
January 24 & 25	Troy	<a href="#">Troy Class Registration (January)</a>
March 7 & 8	Utica	<a href="#">Utica Class Registration</a>
April 18 & 19	Rochester	<a href="#">Rochester Class Registration</a>
June 6 & 7	Auburn	<a href="#">Auburn Class Registration</a>
July 17 & 18	Buffalo	<a href="#">Buffalo Class Registration</a>
July 25 & 26	Ithaca	<a href="#">Ithaca Class Registration</a>
August 15 & 16	Troy	<a href="#">Troy Class Registration (August)</a>
Sept 12 & 13	Plattsburgh	<a href="#">Plattsburgh Class Registration</a>

If you have an interest in scheduling a class for training operators at your facility, please call or email us. In addition to the regular course locations listed above, we can also conduct on-site training at your facility.



Learning more about the principles of flash steam and boiler blowdown heat recovery at our first class in August of 2018.



Learning about steam hammer at our Wallkill class in July 2020



Our 2020 Troy Class takes a break



Wrapping up the summer schedule in Plattsburgh, September 2020



Troy Boiler Works, Inc.  
2800 7<sup>th</sup> Avenue  
Troy, NY 12180  
518-274-2650

## About Our Course

We started this program in 2018 with the goal of providing high-quality training for boiler operators, supervisors, and maintenance personnel. The participants in our program have included staff from SUNY campuses, NYS DOCCS facilities, school districts, hospitals, paper mills, and manufacturing facilities throughout New York State. We are now entering our sixth year of this highly successful program with a total enrollment of over four hundred people who have attended at our multiple locations throughout New York.

**Why should you take this course?** We looked at the 2020 training class evaluations from over 80 attendees participating that year. Based on the feedback received, 100% of those respondents either agreed or strongly agreed that this training will be beneficial to them in the performance of their jobs.

### Some quotes from our students –

- ❖ "I highly recommend other boiler operators to take this course."
- ❖ "The instructors were able to keep the course interesting and convey useful information."
- ❖ "Broad range of interesting topics covered. Easily understandable for all."
- ❖ "Loved this course."
- ❖ "Balanced, good depth on all aspects."
- ❖ "Excellent instructors, venue, and course content."
- ❖ "Very organized and good overview of all aspects of the boiler system as a whole."
- ❖ "Course was very thorough. Concepts and systems were explained well."
- ❖ "Great Course!"
- ❖ "I really enjoyed the training. Thank You Troy Boiler!!"

## Download our Training Brochure

### Course Content Description

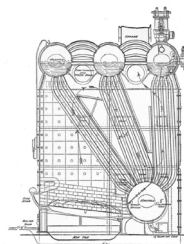
- Fundamentals of Steam
- Fundamentals of Combustion
- Boiler Types & Construction
- Burner Types & Construction
- High Temp Hot Water Generators
- Boiler Operating Procedures
- Boiler Safety Systems
- Deaerator & Feedwater Systems
- Water Treatment Principles
- Burner Systems & Controls
- ASME & NFPA Boiler Codes



Controls



Operations



Boiler Design & Construction



Boiler Safety & Codes

Temp. (°F)	Temp. (°C)	Pressure (psia)	Specific Volume (ft <sup>3</sup> /lb)	Enthalpy (Btu/lb)	Entropy (Btu/lb-°R)
212	100	14.7	26.8	1078	1.7748
250	121	24.7	20.3	1104	1.7783
300	149	55.3	16.6	1154	1.7814
350	177	105.3	14.3	1202	1.7841
400	204	180.6	12.5	1248	1.7865
450	232	281.8	11.0	1293	1.7887
500	260	414.7	9.8	1337	1.7907
550	288	580.1	8.8	1380	1.7925
600	316	789.0	8.0	1422	1.7941
650	343	1044.0	7.4	1463	1.7956
700	371	1348.0	6.9	1503	1.7970
750	399	1705.0	6.5	1542	1.7983
800	427	2119.0	6.2	1580	1.7995
850	455	2595.0	5.9	1617	1.8007
900	483	3138.0	5.7	1653	1.8018
950	511	3754.0	5.5	1688	1.8028
1000	539	4448.0	5.3	1722	1.8037

Fundamentals of Steam

To learn more about Troy Boiler Works and our capabilities, visit our website at

[www.troyboilerworks.com](http://www.troyboilerworks.com)