

NONCREDIT GREEN TECHNOLOGY PROGRAMS

Wastewater Treatment Plant Operator



HACC WWTP Operator Certificate Program Content and Schedule

The content and schedule of this training was established based on input from the a HACC Advisory Group consisting of 24 Wastewater Treatment Plant Managers/Superintendents, the Department of Environmental Protection and CET Engineering Services. It has been customized to focus on the wastewater treatment technology found at plants in Southcentral Pennsylvania. The instructors are professionals who have years of hands-on experience working in and around wastewater plants. Pictures taken at local plants have been added to the classroom sessions. And, to maximize the effectiveness of the training, 10 of the 60 sessions will be conducted on-site at a number of different plants located close to Harrisburg.

Tuesday Sessions, 3:00pm to 6:00pm

Thursday Sessions, 3:00pm to 6:00pm

Unit	Session	Date	Content	Session	Date	Content
1	1	10/18	Module 1 Intro to Wastewater	2	10/20	Module 4 Fundamentals of Wastewater
	3	10/25	Module 4 Field Trip Harrisburg	4	10/27	Module 28 General Math
	5	11/1	Module 29 General Chemistry	6	11/3	Modules 23/24 Collection Systems I& II
2	7	11/8	Modules 24/ 9 Pumps & Hydraulics	8	11/10	Module 9 Pumps & Hydraulics
	9	11/15	Module 9 Field Trip : TBD	10	11/17	Module 25 Flow Meters
	11	11/22	Module 26 Advanced Flow Meters		11/24	Thanksgiving
		11/29	Deer Season	12	12/1	Module 7 Chemical Feed Systems
	13	12/6	Module 7 Chemical Feed Systems	14	12/8	Module __ I/I & Wet Weather Ops
3	15	12/13	Module 30 Safety/Security	16	12/15	Module 30 Safety/Security
	17	12/20	Module __ Ethics & Regulations	18	12/22	Module __ Applied Biology
		12/27	Christmas Holiday		12/29	Christmas Holiday
	19	1/3	Module __ Applied Biology	20	1/5	Module 20 Energy Efficiency
4	21	1/10	Mod 22 Industrial Pretreatment	22	1/12	Mod 22 Industrial Pretreatment
	23	1/17	Module __ SOPs	24	1/19	Module __ NPDES Permits
	25	1/24	Module __ DMRs	26	1/26	Module 13 General Admin WWTPs
5	27	1/30	Module 11 Maint & Troubleshoot	28	2/2	Module 11 WW Maint & Troubleshoot
	29	2/7	Module 12 Wastewater Lab	30	2/9	Module 12 Wastewater Lab/ Review
		2/14	Break		2/16	Break
6	31	2/21	Module 19 Ponds & Lagoons	32	2/23	Module 20 Trickling Filters/RBCs
	33	2/28	Module 15 Activated Sludge I	34	3/1	Module 15 Activated Sludge I
	35	3/6	Module 16 Activated Sludge II	36	3/8	Module 16 Activated Sludge II
7	37	3/13	Module 17 Activated Sludge III	38	3/15	Module 17 Field Trip : DTMA
	39	3/20	Module 17 Field Trip : West Hanover	40	3/22	Module 17 Field Trip : Harrisburg
	41	3/27	Module 18 Activated Sludge IV	42	3/29	Module 18 Activated Sludge IV
		4/3	Break		4/5	Break
	43	4/10	Module 18 Activated Sludge IV	44	4/12	Module 6 Solids Handling & Disposal
8	45	4/17	Module 6 Solids Handling/Disposal	46	4/19	Module 6 Solids Handling & Disposal
	47	4/24	Module 6 Field Trip : Middletown	48	4/26	Module 6 Field Trip : TBD
	49	5/1	Module 6 Solids Handling/Disposal	50	5/3	Module 6 Field Trip : DTMA/Swatara
	51	5/8	Module 6 Field Trip : East Pennsboro	52	5/10	Module 5 Disinfection & Chlorination
10	55	5/22	Module 8 Advanced WW Treat	56	5/24	Module 8 Advanced WW Treat
	57	5/29	Module 8 Advanced WW Treat	58	5/31	Module 14 Land Application & Onlots
	59	6/5	Module 14 Land App & Onlots	60	6/7	Pine Grove Furnace Wetlands /Picnic
		6/12	Review		6/14	Licensing Exam