

**CD-ROM TRAINING
PROGRAMS**

PROVIDED BY

NEIWPCC

IN CONJUNCTION WITH THE

**MASSACHUSETTS WATER
POLLUTION CONTROL
ASSOCIATION**

FOR

**WASTEWATER TREATMENT
PERSONNEL**

CD-ROM TRAINING PROGRAMS
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NEIWPCC in conjunction with the Massachusetts Water Pollution Control Association have made available CD-ROM training to wastewater treatment personnel. The following is a list of programs:

**OPERATIONS TRAINING COURSE (WEF)
PUMPS/OPERATION & MAINTENANCE (WEF)
ACTIVATED SLUDGE (WEF)
SOLIDS HANDLING (WEF)
LABORATORY SAFETY
ELECTRICAL SAFETY
INDOOR CRANES**

DETAILS ABOUT CD-ROM TRAINING

- CD-ROM training is free!
- CD-ROM programs can be used either to receive training only or to receive training to earn training contact hours (TCHs).
- You don't have to be experienced in computer operation to take this training. You can proceed at your own pace.
- CD-ROM Water Environment Federation (WEF) training programs have been broken down into units. Each unit has been assigned a TCH value. You may choose to complete only the units that equate to the number of TCHs that you need or you can complete the entire program. All other types of CD-ROM training require the entire program to be completed to be awarded TCHs.
- Most CD-ROM training programs require a test score of 70% or greater to award a student TCHs. Upon successful completion, you will receive a certificate from NEIWPCC that states the title of the training you have completed and the total TCHs awarded.
- CD-ROM training programs or units that have been successfully completed can only be used once for obtaining TCHs.
- **CD-ROM training can only be taken at the Richard Alden Training Facility, in Millbury, MA or the NEIWPCC office in Lowell, MA.**
- ***You must call James LaLiberte at NEIWPCC, (978) 323-7929 ext. 249 to schedule a training session.***

OPERATIONS TRAINING (WEF)

This CD-ROM training program has been rated for 18 TCHs for the entire course, But can also be used on a unit-by-unit basis. Each unit has been rated with a TCH value. You may select individual units based on either your topics of interest or on the amount of TCHs that you need.

Please review the Details about CD-ROM Training located on page 2.

UNIT	CHAPTER TITLE	TCHs
1	How to use the Operations Training Disk	0 (but required)
2	Introduction to Wastewater	0.5
3	Preliminary Treatment	1.0
4	Primary Treatment	2.0
5	Activated Sludge Process	5.0
6	Stabilization Ponds and Lagoons	1.5
7	Fixed Film Reactors	1.0
8	Solids Handling	4.0
9	Disinfection	3.0
Total		18.0

PUMPS/OPERATION & MAINTENANCE (WEF)

This CD-ROM training program has been rated for 11 TCHs for the entire course, But can also be used on a unit-by-unit basis. Each unit has been rated with a TCH value. You may select individual units based on either your topics of interest or on the amount of TCHs that you need.

Please review the Details about CD-ROM Training located on page 2.

UNIT	CHAPTER TITLE	TCHs
1	How to use the Operations Training Disk	0 (but required)
2	Pumps Overview	0.5
3	Components	1.5
4	Centrifugal Pumps	3.5
5	Displacement Pumps	4.0
6	Pumping Stations	1.5
Total		11.0

ACTIVATED SLUDGE (WEF)

This CD-ROM training program has been rated for 12 TCHs for the entire course, But can also be used on a unit-by-unit basis. Each unit has been rated with a TCH value. You may select individual units based on either your topics of interest or on the amount of TCHs that you need.

Recommendation: The student should possess a Massachusetts Wastewater Treatment Operators license Municipal Grade 3 or 4 or an equivalent license and have some experience in activated sludge treatment processes.

Please review the Details about CD-ROM Training located on page 2.

UNIT	CHAPTER TITLE	TCHs
	Program Introduction	0 (but required)
1	Process Overview	1.0
2	Equipment and Facilities	2.5
3	Safety Considerations	1.5
4	Sampling, Analysis and Data Management	1.5
5	Process Control	2.5
6	Troubleshooting	3.0
Total		12.0

SOLIDS HANDLING (WEF)

This CD-ROM training program has been rated for 7.5 TCHs for the entire course, But can also be used on a unit-by-unit basis. Each unit has been rated with a TCH value. You may select individual units based on either your topics of interest or on the amount of TCHs that you need.

Recommendation: Solids Handling is intended for experienced operators seeking to advance their knowledge and/or certification level. It can also provide refresher training for supervisors or others making solids handling decisions. The student should possess a Massachusetts Grade 4 Wastewater Treatment Operators license or an equivalent license and be able to solve chemical feed and solids processing calculations, including some with metric units.

Please review the Details about CD-ROM Training located on page 2.

UNIT	CHAPTER TITLE	TCHs
1	Solids Processing Overview	1.0
2	Conditioning	1.5
3	Thickening	2.0
4	Dewatering	3.0
Total		7.5

LABORATORY SAFETY

This CD-Rom training program has been rated at 1 TCH for the entire course. Each module is required to be successfully completed to be awarded the 1 TCH.

Please review the Details about CD-ROM Training located on page 2.

MODULE	CHAPTER TITLE	TCHs
1	Introduction to Laboratory Safety	0 (but required)
2	Hazards in the Laboratory	0
3	Safety in the Laboratory	0
4	Real-life Check in the Laboratory	0
5	Course Self-Check	0
Total		1.0

INDOOR CRANES

This CD-ROM training program has been rated at 1 TCH for the entire course. Each module is required to be successfully completed to be awarded the 1 TCH.

Please review the Details about CD-ROM Training located on page 2.

MODULE	CHAPTER TITLE	TCHs
1	Introduction to Indoor Cranes	0 (but required)
2	Pre-operation Safety Inspection	0
3	Rigging the Load	0
4	Operating the Indoor Crane	0
5	Real-life Situation	0
6.	Course Self-Check	0
Total		1.0