

SOURCES OF WASTEWATER TRAINING AND REFERENCE MATERIAL

Following is a list of sources of reference material and training which operators of industrial / commercial wastewater treatment systems may find to be helpful. This list obviously does not include all resources (there is a wealth of information available), but includes a few of the most commonly used sources.

MDNRE Wastewater Operator Training Classes

Classes are offered in the spring and fall each year, covering the major biological processes, as well as many of the physical processes and laboratory procedures. They vary from one to four days in length and are offered at various locations throughout the state. Visit the web page to view classes currently scheduled, along with course description, location, and cost.

www.michigan.gov/deqoperatortraining

California State University – Sacramento

Sacramento State offers classes covering a wide range of wastewater processes and topics. These reasonably priced manuals and courses have been used by wastewater operators across the country for many years. Some courses are designed specifically for operators of industrial processes. You may view the chapter headings of available manuals online, purchase manuals, and sign up to take correspondence or online courses by visiting the web site.

http://www.owp.csus.edu/training/courses/waste_water/index.php

U.S. Environmental Protection Agency

The EPA provides numerous manuals and publications, many of which may be ordered or downloaded free of charge. You may view the list of publications at the Risk Management Technology Transfer and Outreach web site, or you may search for the topic that you are interested in at: <http://www.epa.gov/ttnrmrl/pubs.html> . A few of the manuals that operators have found to be helpful include:

[Design Manual, On-Site Wastewater Treatment and Disposal Systems \(PDF\)](#) (411 pp, 23.9 MB) (EPA/625/1-80/012) October 1980

[On-Site Wastewater Treatment Systems Manual \(PDF\)](#) (367 pp, 20.5 MB) (EPA/625/R-00/008) February 2002

(The two manuals listed above provide good information regarding many small systems, including lagoons, septic tank / tile fields, spray irrigation, etc.)

[Process Design Manual, Land Treatment of Municipal Wastewater \(PDF\)](#) (477 pp, 20.2 MB) (EPA/625/1-81/013) October 1981 (This manual provides good information regarding overland flow, spray irrigation, rapid infiltration, etc.)

[Constructed Wetlands Treatment of Municipal Wastewaters \(PDF\)](#)
(166 pp, 1.6 MB) September 2000 EPA/625/R-99/010

National Environmental Services Center

This organization provides training and reference material mainly for small wastewater treatment systems. The focus is on biological processes used by small communities, but operators of industrial / commercial systems using biological processes will also find valuable information here. Most of the information is available at very reasonable cost.

<http://www.nesc.wvu.edu/wastewater.cfm>

Water Environment Federation

The WEF provides many helpful training courses, manuals, and other publications. Visit the web site at: <http://wef.org/Home>

Other Sources

Reference material provided by process designers, as well as facility operation and maintenance manuals are a valuable source of information.

Also, an amazing amount of information is available by searching the internet for nearly any wastewater topic.