



# PWEA REFERENCE LIBRARY

## TRAINING VIDEOS

### **Basic Hand Tools**

**Beyond the Belt Press Sludge Management** – Glace Assoc/WPCAP 1991 Workshop

**Biological Treatment Units, Trickling Filters & RBC's** (PA DEP)

**Biological Treatment Units, Activated Sludge & Lagoons** (PA DEP)

**Chlorine Responsiveness Awareness Program** (WEF) – Shows the wrong and right approaches to responding to a chlorine alarm at a wastewater treatment plant. Produced by the Oro Loma Sanitary District, San Lorenzo, California.

**Directional Boring/Pull Back** – Construction at the Botanical Gardens in Wichita, Kansas in soft, sandy soil.

**Electric Lockout Procedures** (WEF) – Maintenance electrician demonstrates electric lockout/tag-out procedures on three-phase electric equipment at a wastewater treatment plant. Produced by the Municipality of Metropolitan Seattle, Washington.

**Intro to Wastewater Outreach** (PA DEP)

**Mechanical Seal Installation** – Good overview of installation process. (1972)

**Nitrification and Denitrification in Activated Sludge** (Bypass Pumping) – Chuck Heinz of Goodwin Pumps discusses the applications of bypass pumping. Planned bypasses for rehab or sewer lines, manholes and pumping stations as well as emergency bypass pumping is covered. Dr. Samuel McClintock discusses the basics of biological nitrification and denitrification processes, Single stage and dual stage system configurations and factors, which affect these biological processes. (1996)

PA DEP Operator Outreach Program – **CBOD and Dechlorination Procedures**

PA DEP Operator Outreach Program – **Dissolved Oxygen Procedure (meter)**

PA DEP Operator Outreach Program – **Lab Set up for CBOD and Dissolved Oxygen**

PA DEP Operator Outreach Program – **SAC Series Chapter 10 "Disinfection"**

PA DEP Operator Outreach Program – **Total Suspended Solids**

PA DEP Operator Outreach Program – **The Treatment of Wastewater**

PA DEP Operator Outreach Program – **Wastewater Treatment Facilities**

**Preliminary Treatment Units, Racks, Screens, Comminuters & Grit Removal** (PA DEP)

**Pretreatment Facility Inspection** (5-volume series)

Vol. 1 – **Meeting the Goal Together**

Vol. 2 – **Taking a Closer Look**

Vol. 3 – **Starting at the Source**

Vol. 4 – **Taking up a Collection**

Vol. 5 – **Going with the Flow**

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## **Primary Treatment Units, Sedimentation & Flotation (PA DEP)**

**Streetwise: Working Safely in Traffic (WEF)** – Reviews proper procedures for traffic control when performing maintenance work at manholes. Produced by the City of Lincoln, Nebraska.

**Trench Safety** – Review for First Responder. Baltimore, MD fire/rescue. (1992)

**Wastewater Treatment System Operators (PA DEP)**

## **INFORMATIONAL VIDEOS**

**Biosolids: Recycling a Valuable Resource (PA DEP, 1997)**

**Careers In Water Quality (WEF, 1990)** – Excellent video for high school career day programs.

**Certa-Lok** – Manufacturer's video about restrained joint PVC Municipal Pipe. CertainTeed, the manufacturer, displays numerous tables containing the various specifications and applications of their products. (1995)

**ETI Ultra Rib Sewer Pipe** – Manufacturer's data on the use of ribbed PVC pipe for sanitary sewers.

**Environmental Mosquito Control** – Manufacturer's data on Mosquito Control Products. (1996)

**Flex Seal** – Utility sealant that is mixed on site for the purpose of sealing manholes in Inflow and Infiltration work. It is a flexible, aromatic urethane product that permanently bonds to concrete, wood, aluminum, steel and most standard building materials. It is designed to be installed by in-house personnel. This product has passed all established federal safety standards and is chemically resistant to acids, bases, salts, and soaps. It passes ASTM bonding requirements and is mixed and applied with a brush.

**Fowler Mfg. Co. "Inserta Tee"** – Three-piece connection tee used in gravity flow pipe systems. It can be used to tap into manholes, sanitary and storm sewer collection systems. This product can be used on new installations or rehabilitation situations on all kinds of pipe. Sizes up to 12 inches are available. The connection was tested at 28 psi and 5 minutes for observable leaks. The installation process is shown.

**H2O TV: The Ground Water Video Adventure (WEF)**

**H2O TV: Video Sampler (WEF)**

**H2O TV: The Wastewater Video (WEF)**

**Liquid Assets** – The Story of Our Water Infrastructure (WEF, NACWA, ASCE et al, 2008)

**On-site Evaluations of HDPE Pipe Installations** – Failures of HDPE pipe.

**Saving Water Unit (WEF)**

**Surface Water Video (WEF)**

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## BOOKS

**Activated Sludge – Evaluating and Controlling Your Process** (Tim Hobson, 1995)

**Activated Sludge – Manual of Practice OM-9** (WEF, 1987)

**Activated Sludge Microbiology** (Michael Richard, Ph.D., 1989)

**Activated Sludge Process Control Training Manual** (WEF, 2001)

**Activated Sludge Process Control CD-ROM** (WEF, 2000)

**Aerobic Fixed Growth Reactors** (WEF, 2000)

**Anaerobic Treatment of Dairy Effluent** (Canada Environmental Protection Series, 1986)

**Automated Process Control Strategies** (WEF, 1997)

**Basic Maintenance of Diffused Aeration Systems - PROBE**– Assists the student in understanding and being able to identify the major components of lobe and centrifugal blowers, and the diffused aeration system. Provides instruction on the purpose, operation and maintenance requirements of filters, regulating/shutoff valves, pressure relief valves and diffusers. Reviews operation and preventive maintenance of the motor/blower unit. (WEF)

**Benchmarking Wastewater Treatment Plant Operations** (WEF-1996)

**Biological Treatment of Textile Finishing Mill Effluent** – Canada Environmental Protection Series Report EPS 3/PF/3. (1987)

**Biomonitoring in the Water Environment** (WEF, 1997)

**Certification Study Guide for Wastewater Treatment Personnel** (WEF/ABC, 1992)

**Certification Study Guide for Collection Systems Personnel** (WEF/ABC, 1993)

**Chemical Characteristics and Solids Uptake of Heavy Metals in Wastewater Treatment** (WEF, 2000)

**Chlorine Safety Manual** (NY Emergency Response Commission, 1994)

**Collection Systems Operators' Guide to Preparing for the Certification Examination** (WEF, 2003)

**Computer Technologies for the Competitive Utility** (WEF, 1997)

**Control of Infiltration and Inflow in Private Building Sewer Connections** (WEF, 1999)

**Controlling Industrial Laundry Discharges in Wastewater**– How to Develop and Administer a Source Control Program. (WEF, 1999)

**Conversion of Small Municipal Wastewater Treatment Plants to Sequencing Batch Reactors** – Canada Environmental Protection Series Report EPS 3/NR/2. (1987)

**NEW** **Design of Municipal Wastewater Treatment Plants, Vol. 1** – Fifth Edition (WEF, 2010)

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- NEW** **Design of Municipal Wastewater Treatment Plants, Vol. 2** – Fifth Edition (WEF, 2010)
- NEW** **Design of Municipal Wastewater Treatment Plants, Vol. 3** – Fifth Edition (WEF, 2010)
- Developing and Implementing a Performance Measurement System** – Volume I (WEF, 2000)
- Disinfection Digest** (WEF, 1997)
- Energy Conservation in Wastewater Treatment Facilities** (WEF, 1997)
- Environmental Laboratories – Moving Toward the 21<sup>st</sup> Century** (WEF, 1997)
- Evaluating the Use of Constructed Wetlands in Urban Areas** (WEF, 1999)
- Evaluating and Measuring Biosolids Incinerator Emmissions** (WEF, 1999)
- Excellence in Water Services QualServe: Self-Assessment and Peer Review for Water and Wastewater Utilities** (AWWA and WEF, 1997)
- Food Processing Digest** (WEF, 1997)
- Glossary – Water and Wastewater Control Engineering** (WEF, 1981)
- Hazardous Waste Site Remediation Management** (WEF, 1999)
- Hazardous Waste Treatment Processes** (WEF, 1999)
- Health, Safety, and Risk Management** (WEF, 1997)
- Industrial Waste Treatment: A Field Study Training Program, Volumes I and II** – Second Edition. California State University Department of Civil Engineering and Office of Water Programs in cooperation with the California Water Environment Association. (US EPA, 1997)
- Laboratory Study Guide** (CWEA, 1993) – California Water Environment Association’s Laboratory Analysis certification study guide.
- Meeting the Challenge of Urban Wet Weather** (WEF, 1999)
- Membrane Technologies for Industrial and Municipal Wastewater Treatment and Reuse** (WEF, 2000)
- Natural Disaster Management for Wastewater Treatment Facilities** (WEF, 1999) – Special Publication.
- Operating Activated Sludge Using Oxygen Uptake** (WPCF) – Problem Related Operations Based Education (PROBE) Training Module No. 1. October 1989.
- Operation and Maintenance of Wastewater Collection Systems: A Field Study Training Program, Volumes I and II** – Fifth Edition. California State University Department of Civil Engineering and Office of Water Programs in cooperation with the California Water Environment Association. (US EPA, 1996)
- Operation of Municipal Wastewater Treatment Plants, Vol. 1** – Fifth Edition (WEF, 1996)
- Operation of Municipal Wastewater Treatment Plants, Vol. 2** – Fifth Edition (WEF, 1996)

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**Operation of Municipal Wastewater Treatment Plants, Vol. 3** – Fifth Edition (WEF, 1996)

**Operator's Pocket Guide to Activated Sludge, Part I - The Basics** (CRSS, 1986)

**Operator's Pocket Guide to Activated Sludge, Part II - Process Control & Trouble Shooting** (CRSS, 1986)

**Prevention and Control of Sewer System Overflows** (WEF, 1999) – Second Edition. Manual of Practice.

**Processes, Procedures, and Methods to Control Pollution From Mining Activities** – Retrofitting Municipal Wastewater Treatment Plants for Enhanced Biological Phosphorus (US EPA, 1973)

**Retrofitting Municipal Wastewater Treatment Plants for Enhanced Biological Phosphorus Removal** – Canada Environmental Protection Series Report. EPS 3/UP/3. (1986)

**Septage Handling** (WEF, 1997)

**Simplified Laboratory Procedures for Wastewater Examination**– Designed for the operator without an extensive background in chemistry, biology, or bacteriology. Details the tests required for the day-to-day operations of wastewater treatment plants. includes easy-to-follow methods for physical, chemical, and microbiological examinations and procedures for data recording and reporting. Provides the basics for monitoring and process control of many plant operations. (WEF, 1985)

**Sodium Hydroxide EnviroTIPS** – Environment Canada Environmental Protection Service technical information for program spills. (1984)

**Solids Handling Training Manual** (WEF, 2001)

**Solids Handling CD-ROM** (WEF, 2001)

**Sulphur Dioxide EnviroTIPS** – Environment Canada Environmental Protection Service technical information for program spills. (1985)

**Survey of Chemical Spill Countermeasures** (Canada Environmental Protection Series, 1986)

**Urban and Highway Snowmelt: Minimizing the Impact on Receiving Water** (WEF, 1999)

**Utility Management: A Field Study Training Program** – First Edition. California State University Office of Water Programs. (1998)

**Wastewater Collection Systems Management** (WEF, 1999)

**Wastewater Laboratory Analysts' Guide to Preparing for the Certification Exam** (WEF, 2000)

**Wastewater Operators' Guide to Preparing for the Certification Exam** (WEF, 2002)