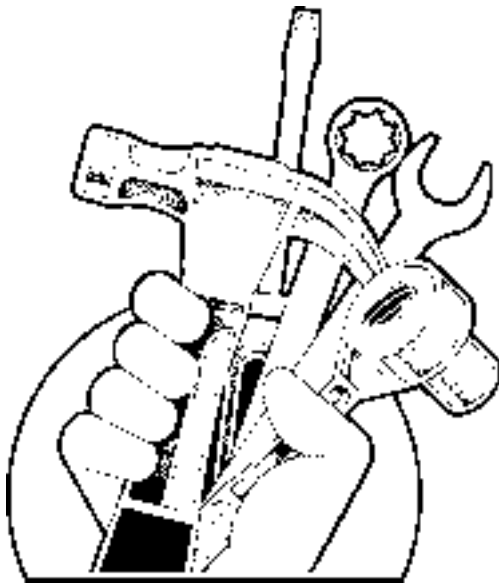


NEIWPCC RESOURCE CATALOG



2002-2003

Boott Mills South ■ 100 Foot of John Street ■ Lowell, MA 01852-1124

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INTRODUCTION

Welcome to the New England Interstate Water Pollution Control Commission's *Resource Catalog*. The materials listed in this catalog are designed for environmental organizations, educational organizations, government agencies, wastewater treatment facilities, and citizens interested in water-related environmental issues. Topics covered by these materials include groundwater, drinking water, wetlands, underground storage tanks, biosolids/sludge, and wastewater treatment.

You can locate items in this catalog in two ways. The 'Table of Contents' (page 3) allows you to search for materials by general category. The 'Topic Index' (pages 5-7) allows you to search for materials by specific topic. For web-based information about a specific topic, we recommend that you visit the links at our website, www.neiwpcc.org/intlinks.html.

Please note that most of the materials listed are available for either sale or loan. Some materials are available free of charge up to five copies. Larger orders may incur additional charges to cover postage and/or reproduction. Costs associated with ordering purchase or loan items are listed in the item description. Shipping costs refer to domestic US postal service fees. If you have questions or comments about the information included in this book, please contact our Lowell office at 978/323-7929.

NEIWPCC INTRODUCTION

The New England Interstate Water Pollution Control Commission (NEIWPCC) is a nonprofit organization established by an Act of Congress in 1947. NEIWPCC is dedicated to serving and assisting the New England states and New York individually and collectively in the protection of their water quality. This mission is accomplished through the coordination of state and federal agencies, leadership in the resolution of water quality issues, and education for both wastewater treatment personnel and the public.

In pursuing its mission, NEIWPCC is governed by three core values:

- ◆ Regional cooperation
- ◆ Diligent service to member states
- ◆ Education



These values are evident in NEIWPCC's activities. Regularly scheduled meetings between NEIWPCC, the member states, EPA, and local organizations facilitate cooperation on water quality initiatives. NEIWPCC's communication network enables accurate anticipation of and response to state needs. Public education programs provided by NEIWPCC spread the word about the importance of water. NEIWPCC's Environmental Training Center offers professional training programs to help environmental professionals perform at their best.

For more information about NEIWPCC's activities, workgroups, and watershed projects, request our free Annual Report.



Annual Report

The Annual Report provides a review of NEIWPCC's activities over the course of the fiscal year. From watersheds to workgroups, this is the definitive guide to NEIWPCC's goals and progress.

Select:
NEI-99
NEI-00

Booklet, Annual - NEIWPCC

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TECHNICAL AND REGULATORY
Technical Environmental Manuals

Code: **Guide to Hydric Soils in New England**
WL-20 This guide helps field personnel identify and document hydric soils and their boundaries. These field indicators provide consistent and reliable evidence as to whether a certain soil meets the definition of a hydric soil. To correctly interpret and apply this guide, users must have practical experience and a working knowledge of soils. When properly applied, this field guide yields results that are consistent with the identification of hydric soils as per the *1987 Army Corps of Engineers Wetlands Delineation Manual*.
Cost: \$5
Guide Book, Binder Included (NEIWPCC, 1998)

Code: **TR-16 Guides for the Design of Wastewater Treatment Works**
WT-3 *TR-16*, as it is commonly known, is intended to serve as a practical guide to aid in the design of wastewater treatment works and in the review of plans and specifications for such facilities. Each section covers important elements of wastewater treatment that must be considered in the design process. The intended audience includes engineers responsible for designing wastewater treatment plants, state regulators responsible for reviewing and approving the designs, and municipalities that may need assistance with the solicitation of professional design services for their wastewater treatment plants.
Cost: \$50
Book (NEIWPCC, 1998)

Code: **Source Protection: A National Guidance Manual for Surface Water Supplies**
GW-21 This manual for surface water supply systems offers guidance on implementing local source water protection plans. Topics covered include step-by-step instructions for developing a source protection plan, funding and technical assistance resources, case studies, common pollutants, and descriptions of best management practices. The source protection principles promoted in this manual also apply to groundwater systems. The complete manual is also available for download from www.neiwpcc.org/sp.html.
Cost: \$5

Technical Manual, (NEIWPCC, 2000)

TECHNICAL AND REGULATORY
Underground Storage Tanks

Code: **L.U.S.T.LINE** 
UST-1
State and Federal Employees Subscribe FREE A national bulletin on underground storage tanks, *L.U.S.T.Line* is published three times a year. It is funded with support from EPA's Office of Underground Storage Tanks (UST). The publication helps keep state and federal UST regulators, consultants, contractors, and tank owners informed about UST and LUST activities, cleanup fund issues, spill remediation, and prevention technologies.
Non-State/Federal Employees \$18/year *Newsletter, 3 per year (NEIWPCC)*

Past Volumes	\$3.00 each
Whole Set	\$50.00

UST/LUST T-SHIRTS

With new designs and a choice of long or short sleeves, these t-shirts are the best ever. Order yours while supplies last. **Size: M, L, XL, XXL**

Code: **UST-12**
Cost: \$17.00



Long Sleeve Shirt
 Image appears on the back.

Code: **UST-13**
Cost: \$13.00



Short Sleeve Shirt
 Image appears on the back.

TECHNICAL AND REGULATORY

Underground Storage Tanks

Code: Tank Closure without Tears: An Inspector's Guide to Safety
UST-A3 *While supplies last.*

Cost: This video and booklet package outlines the causes of fires and explosions, while offering guidance in preparing a safe workplace, purging and inerting a tank, testing with oxygen and explosion meters, tank cleaning, transporting, and disposing. It also contains a safe removal checklist and reference list.

Video and Booklet I, 30 minutes (NEIWPCC, 1988)

Code: **What Do We Have Here?**

UST-A4 *While supplies last.*

A training video and companion booklet divided into three parts:

1. The nature of petroleum, site assessment at tank closure, equipment, field observations, field analysis, closure in place, and references.
2. An overview of available field testing instrumentation.
3. The basics of sampling and handling soil and water for field measurement or for transport to a laboratory for analysis.

Video and Booklet II, 50 minutes (NEIWPCC, 1990)



Code:
UST-A5

Cost:
\$10



**Searching for the Honest Tank:
A Guide to UST Facility
Compliance Inspections**

While supplies last.

A training video about the goals of a facility inspection, inspection priorities, equipment checklists, inspection of UST facility records, site inspection for compliance with technical standards, follow-up and enforcement, training, health monitoring, and references.

Video and Booklet III, 35 minutes (NEIWPCC, 1991)

TECHNICAL AND REGULATORY

Training Videos



Code:
UST-10

Cost:
\$5 S&H
\$20 Deposit

Underground Storage Tanks: Installation

Observing proper techniques for installing underground storage tanks is an essential part of protecting the people working at the site, as well as the surrounding environment. This video outlines the step-by-step process for installing underground storage tanks with due consideration for the regulations of local authorities, OSHA, EPA, and the tank and piping manufacturers. Topics covered include excavation, tank types, tank testing, secondary containment and anchoring, piping components and installation, corrosion protection, and testing and record keeping. It also covers detection, containment, and recovery systems for preventing hazardous spills.

*Video and Booklet, 85 minutes
(American Petroleum Institute, 1994)*



Code:
UST-11

Cost:
\$5 S&H
\$20 Deposit

Underground Storage Tank – Removal

Removing underground storage tanks involves a range of serious hazards. Focusing on safety first, this video follows the step-by-step process for removing underground storage tanks. Topics covered include OSHA requirements, EPA requirements, risks to human health and life, purging and inerting tanks, dealing with leaks and contaminated soil, removing residual product, and tank cleaning and disposal procedures.

*Video and Booklet, 57 minutes
(American Petroleum Institute, 1994)*



Code:
OS-03

Cost:
\$10

Percolation Test Video

A percolation test, or perc test, helps determine a soil's suitability for the siting and design of an on-site wastewater treatment system (septic system). This 20-minute video includes information about Title 5 laws in Massachusetts and a demonstration of the proper techniques for conducting a perc test. It is targeted for septic system designers, installers, and local officials who either witness or conduct percolation tests as a part of their duties.

Video, 20 minutes (MA DEP & NEIWPCC, 2000)

TECHNICAL AND REGULATORY

Training Videos

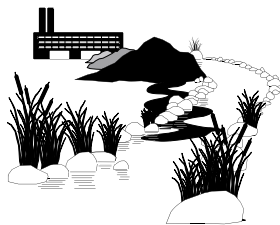


Stormy Weather Without Murky Water

Code:
WQ-21

Cost:
\$5 S&H
\$20 Deposit

Some of the most prevalent water pollution issues in New England today stem from poorly managed stormwater systems. From transporting contaminants into surface waters to causing damaging sedimentation, mismanaged stormwater can contribute to serious water quality problems. Using four sample sites, this video describes creative methods for preventing the erosion of banks or contamination of waterways by stormwater. Each example site is unique and introduces a series of important lessons.



Video, 30 minutes (EPA, 1993)



The Cutting Edge Technology Report: Stormwater

Code:
WQ-25

Cost:
\$5 S&H
\$20 Deposit

Designed as a series of focused messages on stormwater management, this video features a variety of solutions to America's biggest threat to water quality. In addition to focusing on best management practices in place around the country, the video advocates public education by showing the public what is at stake in stormwater management: public health, recreation, and property values. The video promotes a watershed approach to stormwater management through a combination of innovative technology and local cooperation.

Video, 20 minutes (Information Television Network, 2000)



Sewage Sludge Sampling Techniques

Code:
WT-21

Cost:
\$5 S&H
\$20 Deposit

Because testing sludge is a costly, time-consuming process, it is important that it is done correctly and efficiently. This video follows two testers as they take samples from a digester, from a conveyor, and from stockpiles. Safety, quality control, and proper equipment are just a few of the concepts of proper sampling that are covered in this information-packed video.

Video, 20 minutes (EPA, 1993)

WASTEWATER TREATMENT

Training and Design



NEI-6

NEIWPCC's Environmental Training Center Catalog

NEIWPCC's Environmental Training Center offers courses in the spring and fall every year. Designed specifically to educate wastewater treatment operators, environmental professionals, and state regulators, courses cover topics ranging from the basics of wastewater treatment to the latest technology in activated sludge. The *Training Catalog* includes course descriptions, schedule information, and a registration form. It is also available on-line at www.neiwpcc.org/training.html. A schedule of JETCC and NEIWPCC Training Center courses is available at www.neiwpcc.org/intsched.html.

Booklet (NEIWPCC, Biannual)



NEI-8

JETCC Training Catalog

JETCC offers two sessions of courses every year geared towards the needs and concerns of the state of Maine. Designed specifically to educate wastewater treatment operators, environmental professionals, and state regulators, courses cover topics ranging from the new biosolids regulations to using computerized databases in the WWTP. The *JETCC Training Catalog* includes course descriptions, schedule information, and a registration form. It is also available on-line at www.neiwpcc.org/training.html. A schedule of JETCC and NEIWPCC Training Center courses is available at www.neiwpcc.org/intsched.html.

Pamphlet (NEIWPCC and JETCC, Biannual)

TR-16 Guides for the Design of Wastewater Treatment Works

See page 8 for description.

Book (NEIWPCC, 1998)

WASTEWATER TREATMENT Operations and Maintenance

Code: Publicly Owned Treatment Works_
WT-20 Performance Analysis System (POTW_PAS)

Cost: \$25
POTW_PAS is a software package designed to function as a stand-alone tutorial on performing POTW compliance self-audits and source reduction analysis. It can be used by wastewater treatment plant personnel at all levels for the management, troubleshooting, and financial analysis of their wastewater treatment facilities. The software allows upgrades as they become available.

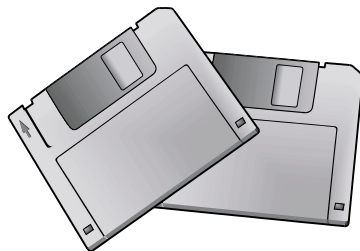
What Can POTW_PAS Do For You?

- ◆ Maintain high POTW compliance rates.
- ◆ Prevent violations of wastewater permit requirements.
- ◆ Identify opportunities for improvement.
- ◆ Maximize the useful lives of POTWs by encouraging prevention approaches.
- ◆ Assist in long term planning.
- ◆ Ensure timely financing of future needs.
- ◆ Integrate information from various departments.
- ◆ Demonstrate how the plant is meeting compliance requirements.
- ◆ Print an audit/performance/evaluation report that can be submitted to your governing body or regulatory agency.

System Requirements:

- ◆ PC with 486SX processor or better
- ◆ 8 MB of RAM
- ◆ Microsoft Windows 3.1 or Windows 95

NOTE: POTW_PAS is designed to meet the needs of a majority of treatment plant configurations, but may not include all treatment types or discharge requirements.



WASTEWATER TREATMENT Operations and Maintenance



Code:
WW-A1

Cost:
\$5 S&H
\$20 Deposit

Clean Water: Quest for Quality

Created to celebrate the winners of the National Wastewater Treatment Plant O&M awards, this video outlines some of the creative and outstanding work of America's wastewater treatment plants. From odor control to hazardous waste collection days, these wastewater treatment plants have demonstrated their commitment to their communities. With programs for resource recovery, sludge monitoring, and longer lasting pipe coatings, the plants demonstrate their innovation and their determination to make wastewater treatment economical. The video has appeal for wastewater treatment plant personnel, community leaders, community groups, and environmental training programs.

Video, 25 minutes (EPA, 1988)

WATER QUALITY



Antidegradation Policy: A Means to Maintain and Protect Existing Uses and Water Quality

Code:
WQ-A2
Cost:
\$5 S&H
\$20 Deposit

Incorporation of an antidegradation policy is a required part of meeting Water Quality Standards as defined by the Clean Water Act. This video defines antidegradation, explains the policy, and addresses the role of economic considerations in such a policy.

Video, 13 minutes (EPA, 1990)



Developing Site-Specific Criteria

Code:
WQ-22
Cost:
\$5 S&H
\$20 Deposit

Although EPA has developed criteria for particular water uses, these criteria may not always apply to specific-sites. In such situations, states, tribes, and territories have the option of establishing site specific criteria. This video introduces the Water Quality Standards and Criteria program, as well as EPA's Aquatic Life Criteria. The focus then shifts to why site-specific criteria are developed and the method for creating new criteria. Recalculation and Indicator Species procedures are discussed.

Video, 36 minutes (EPA, 1995)



Development of Biological Criteria for Use in Water Quality Standards

Code:
WQ-A17
Cost:
\$5 S&H
\$20 Deposit

This video defines biological criteria as a companion to the physical and chemical criteria that determine water quality standards. Narrative and numeric bio-criteria are defined, followed by an outline of the step-by-step process for developing bio-criteria. An additional section focuses on proper responses when a waterbody's designated use conditions are not attained.

Video, 14 minutes (EPA, 1990)

WATER QUALITY



Development of Water Quality Criteria and Its Relationship to Water Quality Standards

Code:
WQ-A3
Cost:
\$5 S&H
\$20 Deposit

Water Quality Standards, and the criteria that define them, are an essential part of meeting the requirements of the Clean Water Act. This video defines criteria and how they relate to Water Quality Standards with respect to Aquatic Life and Human Health. Acute Numbers, Chronic Numbers, averaging periods, the Integrated Risk Information System (IRIS), bio-concentration factors, and carcinogens are discussed.

Video, 14 minutes (EPA, 1990)



Economic Considerations in Water Quality Standards

Code:
WQ-A15
Cost:
\$5 S&H
\$20 Deposit

While clean water is an important part of life for humans and animals, there are times when meeting the EPA's water quality standards may create substantial and widespread economic hardships for states, tribes, or territories. In these situations, some water quality standards, criteria, or requirements may be waived or altered as determined by EPA. This video outlines the water quality standards process, why economic hardships are considered, who might file such a request (public/private dischargers), how dischargers can demonstrate and file for economic hardship, and what constitutes a 'hardship.'



Video, 15 minutes (EPA, 1992)



Enumeration Methods for E. Coli and Enterococci

Code:
WT-A7
Cost:
\$5 S&H
\$20 Deposit

For many years water quality for recreational areas was evaluated by determining the ratio of fecal coliforms to total coliforms. Due to a great deal of criticism of this strategy, new criteria have been developed using E. Coli for fresh water determinations and Enterococci for fresh and marine environments. In addition to an extensive explanation on why these particular bacteria have been chosen above others, this video provides a description and step-by-step lab demonstration of membrane filtration technique in both mTEC and mE evaluations.

Video, 30 minutes (EPA, 1986)

WATER QUALITY



Introduction to Water Quality Standards

The Federal Water Pollution Control Act was enacted in 1972 with the goal of restoring and maintaining the chemical, physical, and biological integrity of the nation's waters. This video describes the following tools used by federal, state, and local governments to comply with the Clean Water Act: water quality standards, existing uses, designated uses, criteria, antidegradation, the EPA, and citizen involvement.

Code:
WQ-A6
Cost:
\$5 S&H
\$20 Deposit

Video, 13 minutes (EPA, 1990)



Water Quality-Based Approach to Pollution Control

The water quality-based approach to pollution control is discussed as one of the main approaches to meeting the objectives of the Clean Water Act. The stages highlighted include protection, water quality assessments, priorities, appropriateness of water quality standards, control responsibilities, source controls, compliance, and progress.

Code:
WQ-A13
Cost:
\$5 S&H
\$20 Deposit

Video, 16 minutes (EPA, 1991)



Water Quality Standards and §401 Certification

§401 of the Clean Water Act stipulates that any activities requiring federal permits involving discharges will meet the effluent requirements of the Clean Water Act, as well as the state, tribe, or territory specific Water Quality Standards. This allows the local population to take responsibility for protecting their local water. This video describes the §401 certification process, the activities and amounts covered by §401, and state options with respect to granting certification.

Code:
WQ-A12
Cost:
\$5 S&H
\$20 Deposit

Video, 16 minutes (EPA, 1991)

WATER QUALITY



Water Quality Standards on Indian Lands

With consideration for the particular concerns of Native Americans, EPA developed a strategy for including the water existing on Indian land into the Water Quality Standards requirements as described in the Clean Water Act. This video outlines the role of the Water Quality Standards in tribal efforts to clean up water within Indian lands. It describes the criteria an Indian group has to meet in order to be considered a tribe and how that procedure moves forward. In addition, the video outlines EPA's dispute resolution procedure, which is implemented in situations where shared waters are designated with conflicting uses.

Code:
WQ-A16
Cost:
\$5 S&H
\$20 Deposit

Video, 19 minutes (EPA, 1992)



The TMDL Program and Your Tribe: Time to Choose

Focusing on the concerns of Native Americans, this video outlines how and why Indian tribes should get involved with the TMDL process. The greatest reason is that those tribes that do not become involved could lose control over their waters. The video defines the TMDL process and describes the necessary steps for developing a TMDL. Resources are listed at the conclusion of the tape.

Code:
WQ-23
Cost:
\$5 S&H
\$20 Deposit

Video, 20 minutes (EPA, 1999)



TMDLs and Water Quality Standards

Establishing Total Maximum Daily Loads (TMDLs) is a necessary step in the implementation of a state's water quality standards. Each state is responsible for developing TMDLs for impaired waterbodies within its boundaries. This video describes the TMDL process, including what TMDLs do and how they relate to the water quality based approach to pollution control. Additional information about how to acquire resources on TMDLs and Water Quality is also included.

Code:
WQ-24
Cost:
\$5 S&H
\$20 Deposit

Video, 22 minutes (EPA, 1999)

EDUCATIONAL RESOURCES

Curricula

Codes: **That Magnificent Ground Water Connection**
K-6 edition Two complete ground water resource books are
GW-10 now available for teachers: one for grades K-6
and the other for grades 7-12. Both editions
include selected ground water-related activities
adapted from available curricula. Incorporating the ground water theme into
science, stories, songs, math, social studies,
art, and writing makes the resource books applicable over a
range of subjects.



7-12 edition
GW-11

Cost:
\$25 each The activities focus on ground water issues in New England. Presenting the information with a New England spin teaches students about the region's geologic and hydrologic quirks and how ground water and the water cycle function locally. Recognizing today's children as tomorrow's leaders, the curricula challenges students to think, sort out facts, brainstorm, experiment, and learn.

The Details:

- ◆ The stand-alone activities are organized according to themes and can be carried out using inexpensive, readily available materials.
- ◆ Background information introduces each activity.
- ◆ The Resource File includes a listing of Ground Water Education Resources and a Glossary of Terms.
- ◆ They fit readily in a 1-1.5 inch, 3 ring presentation binder.

Teacher Feedback

- ◆ *The students loved the 'non-textbook' approach. It was a pleasure to have them walk through the door and say: Are we going to have science today?* Dawn Sather, Grade 4, Forest Avenue School, MA
- ◆ *I have been very impressed with the wide spectrum of coverage this book includes; a bit from all disciplines of study.* Fred Andruchuk, Grade 10, Manchester Memorial High School, NH
- ◆ *I plan to incorporate this curriculum into my classroom and, by demonstrating it to other teachers and students, spread it throughout the school.* Chris Barnacoat, Grade 5, Squannacook Elementary, MA

EDUCATIONAL RESOURCES

Classroom Resources



Wetlands of New England: Function and Value
This video provides an excellent introduction for middle-high schoolers to the function and value of wetlands. After establishing the reasons that wetland environments have become threatened, the narration describes the many ways wetlands serve our planet. Water quality improvement, flood control, wildlife habitat, recreation, and groundwater recharge are just a few examples.

Code:
WL-21

Cost:
\$5 S&H
\$20 Deposit

Video, 16 minutes

(Inland Water Resources Division, CT DEM, 1994)



**A World in Our Backyard:
A Wetlands Education and Stewardship Program**
A teacher's resource, this video features three stories on how teachers have incorporated the study of wetlands into their curriculum. With information on how they got started and the student response to their efforts, it is an encouraging look at how teachers can instill their students with a sense of responsibility and respect for wetlands.

Code:
WL-A3

Cost:
\$5 S&H
\$20 Deposit

The second portion of the video features an introduction to wetlands by Bill Nye the Science Guy. Always entertaining, Bill Nye combines the excitement of wetlands science with a sense of the importance of protecting wetlands for middle schoolers.

Video, 23 minutes (NEIWPC and EPA, 1993)

EDUCATIONAL RESOURCES

Classroom Resources



H2O TV: The Groundwater Video

In this introduction to groundwater for 5-6 graders, H2O TV's correspondent Dino Sorrus hosts a video game in which the player has to control everyday human functions while protecting the groundwater from pollution. By running a factory, a farm, and a household, the player learns about the delicate balance between meeting everyday human needs and protecting our valuable groundwater resources.

Code:
GW-A2

Cost:
\$5 S&H
\$20 Deposit

Video and Activity Booklet, 10 minutes
(Water Environment Federation, 1989)



H2O TV: Saving Water—The Conservation Video

With Dino Sorrus as a guide, a student is transported to the future where humans no longer exist because they squandered the earth's fresh water. Pointing out that wastewater treatment plants and nature cannot clean all of the water that people waste, Dino Sorrus describes a variety of ways that people can conserve water, and perhaps avoid this frightening scenario. The suggestions are for around the home, so students can put their knowledge to practical use.



Code:
WQ-A7

Cost:
\$5 S&H
\$20 Deposit

Video and Activity Booklet, 8 minutes
(Water Environment Federation, 1987)



H2O TV: The Wastewater Video

Beginning with an in-depth description of the water cycle, this video for 7-9 graders describes the inner workings of a wastewater treatment plant. Through H2O TV's correspondent Dino Sorrus, viewers learn about Primary, Secondary, and Advanced treatment. A description of what happens to effluent and sludge is also included. The overarching message of the video is that since we 'all live downstream,' the wastewater treatment plant is an essential part of our community.

Code:
WW-A3

Cost:
\$5 S&H
\$20 Deposit

Video and Activity Booklet, 11 minutes
(Water Environment Federation, 1987)

EDUCATIONAL RESOURCES

Youth in the Environment Program

Youth in the Environment

The Youth in the Environment Program (YEP), managed by NEIWPCC, is a cooperative effort between EPA and local environmentally oriented facilities like wastewater treatment plants. It is designed to introduce young adults to career opportunities in the environmental field.



By offering summer employment with hands-on experience, YEP enhances students' personal and professional development. YEP incorporates a Work-based Learning Plan that includes training in routine lab analysis, plant operations, maintenance, engineering, and industrial inspections. Students rotate through each of these tasks so that at the end of seven weeks they have a thorough understanding of how the utility or facility functions and maintains environmental standards.

Students do not spend all of their time working. Weekly field trips introduce students to other environmental career paths. Past groups have taken hikes, gone on whale watches, and visited the state-of-the-art Deer Island Wastewater Treatment Facility in Boston Harbor. In addition, students also meet with environmental experts to discuss issues and career opportunities involving wastewater treatment, energy production, and the protection of environmentally sensitive areas.

YEP has offered successful summer work/learning experiences for more than ten years, illustrating the importance of long-term commitment toward the improved performance, staffing, and maintenance of wastewater treatment and other environmentally focused facilities. YEP encourages environmentally-minded teens by promoting greater respect and recognition for the important work of water pollution control professionals. YEP also educates the general public on how wastewater treatment and proper environmental management impact the community as a whole.

In past years, YEP has been held at various sites throughout New England including Lowell, MA, Windsor Locks, CT, and at Rogers Williams Park Zoo in Rhode Island. For information about how to apply to the Youth in the Environment program, contact NEIWPCC at 978/323-7929 or by e-mail at training@neiwpc.org. For pictures and information about past Youth in the Environment groups, visit www.neiwpc.org/yep.html.

EDUCATIONAL RESOURCES

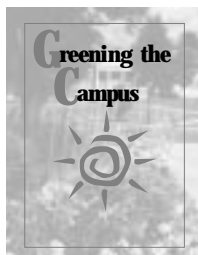
The Green Campus Project



ED-01

The Green Campus Project

In addition to being centers of learning, college and university campuses are self-contained communities supported by vast systems of institutional and operational functions. A campus that carries out these functions according to a system-wide culture of environmental sustainability, balancing function and design with existing and foreseen resources, is a Green Campus. This is a place where environmentally responsible practice and education go hand in hand and where environmentally responsible tenets are borne out by example.



The Green Campus project helps colleges and universities sweep away wasteful inefficiencies and usher in positive changes that address the daily, practical aspects of campus life—correct disposal, handling, and storage of cleaning chemicals and materials associated with labs and automotive shops; purchase of environmentally friendly supplies; effectiveness of recycling programs.

For more information about how to make your campus a Green Campus, request the Green Campus Booklet and Brochure from NEIWPCC. These contain information about successful implementation of the Green Campus concept, as well as contact information for greater details about how to create your own Green Campus.

EDUCATIONAL RESOURCES

NEIWPCC Website

In addition to the information provided in this catalog, we recommend that you visit NEIWPCC's web site, www.neiwpcc.org. Our web site changes twice a month to reflect new events, job postings, and the latest publications. It is the hot-off-the-press way to learn about NEIWPCC and its activities. Visit us and read about our workgroups, watershed projects, publications, training program, history and staff, and much more. In particular, visit our links resource page at www.neiwpcc.org/intlinks.html for links to other on-line environmental information resources.

NEIWPCC's web site also provides downloadable documents, some of which are only available in this format. These documents are as follows:

- Source Protection: A National Guidance Manual for Surface Water Supplies* www.neiwpcc.org/sp.html
- Innovative/Alternative On-site Wastewater Technologies Technical Advisory Opinions* www.neiwpcc.org/iatech.html
- A Survey of State Experiences with MTBE Contamination at LUST Sites* www.neiwpcc.org/mtbemain.html
- SWAP Technical Assistance Document* www.neiwpcc.org/swap.html
- Green Campus Brochure* www.neiwpcc.org/educate.html
- Green Campus Booklet* www.neiwpcc.org/educate.html
- NEIWPCC Resource Catalog* www.neiwpcc.org/publication.html
- Latest NEIWPCC Training Catalog* www.neiwpcc.org/training.html
- Latest JETCC Training Catalog* www.neiwpcc.org/training.html
- Registration for NEIWPCC events www.neiwpcc.org/events.html

Registration materials for NEIWPCC meetings and events are available in the appropriate month at www.neiwpcc.org/events.html.

For information about other publications that are available from NEIWPCC, please visit www.neiwpcc.org/publication.html.



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Conservation, Local Action



Up to 5
copies.

Code:
DW-01

What Do You Know About Microbial Contamination?

Designed for distribution among the public, this brochure explains microorganisms and the threat they pose to human health. You will learn about the various sources of microbial contamination and measures that are suggested to reduce the risk of threat. Please note that this brochure is free up to five copies. After that, we do seek compensation for reproducing the brochures and for shipping if warranted.

Brochure (NEIWPC, 2002)



Up to 5
copies.

Code:
WQ-26

What Do You Know About Nonpoint Source Pollution?

Designed for distribution among the public, this brochure defines Nonpoint Source Pollution and presents examples of its most common causes. It also includes a list of ways individual citizens can address nonpoint source problems in their homes and communities. Please note that this brochure is free up to five copies. After that, we do seek compensation for reproducing the brochures and for shipping if warranted.

Brochure (NEIWPC, 2000)



Up to 5
copies.

Code:
OS-04

What Do You Know About Septic Systems?

This informational pamphlet about septic systems is ideal for homeowners looking for a quick and easy explanation about how septic systems work and how to care for them. Please note that this brochure is free up to five copies. After that, we do seek compensation for reproducing the brochures and for shipping if warranted.

Brochure (NEIWPC, 2000)



Up to 5
copies.

Code:
WQ-27

What Do You Know About Two Stroke Marine Engines?

This brochure compares the fuel efficiency of conventional two-stroke marine engines and modern four-stroke or fuel injected two-stroke engines. With an emphasis on saving gas and protecting the environment, this brochure would be of interest to boat owners, marina operators, and lakes associations. Please note that this brochure is free up to five copies. After that, we do seek compensation for reproducing the brochures and for shipping if warranted.

Brochure (NEIWPC, 2000)

GET INFORMED
Conservation, Local Action



NEI-3

Water Connection

If you want to know which water issues hit closest to home, *Water Connection* has the answer. This free newsletter was developed to respond to common questions and concerns about waterways, water treatment, and water pollution in New England and New York. Each edition focuses on a particular water-related issue in a way that is easy to understand and appreciate. *Water Connection* is a great resource at school, at work, and at home.

Newsletter, 3/year (NEIWPC)

Code:
GW-A3

Cost:
\$5

**The Power to Protect:
Three Stories About
Groundwater
While Supplies Last.**

Although groundwater supplies a multitude of private wells throughout New England and New York, most people take its availability and quality for granted. This video focuses on three New England communities and the lessons they learned while working to protect their groundwater resources. Their stories place an emphasis on proactive programs for source protection and the vital importance of cooperation between planners, water providers, the community, and businesses. Ideal for anyone currently working to protect the groundwater resources of their town or region, *The Power to Protect* comes with a booklet describing how communities and/or individuals can tackle groundwater preservation and conservation issues.

*Video and Companion Booklet, 32 minutes
(EPA, Massachusetts Audubon Society and NEIWPC, 1990)*



GET INFORMED
Conservation, Local Action


Code: **Turning the Tide: Keeping Pollution at Bay**
WQ-A10 When pollution becomes a local problem the best solution is often a community approach. This video outlines the conservation efforts along the shores of Buzzard's Bay. Celebrating the power of local communities to work together and respond to environmental needs, *Turning the Tide* offers a can-do message to communities concerned about the condition of their local resources. Learn how the cooperative efforts of individual volunteers, grass roots organizations, and town councils helped rejuvenate the Buzzard's Bay environment.
Cost:
\$5
Video, 30 minutes (EPA, 1991)


Code: **The Tuned Up Shop**
WQ-20 With tips on how to dispose of and clean up waste in the auto shop, this video and brochure aim at reducing pollutants that may enter the environment from garages, both private and commercial. In addition to practical instructions, these materials include local contacts for information about state-specific waste disposal programs.
Cost:
\$5
Video, 30 minutes (NEIWPCC, 1988)




Code: **The Clean Water Game**
WQ-A1 When communities decide to address their water quality issues, a variety of obstacles can emerge. This video outlines some of the questions planners, water suppliers, conservation groups, and citizens need to consider when creating a strategy for cleaning or protecting local waters. A particular emphasis is placed on the importance of the involvement of individuals and the consequences of letting pollution get a foothold in local waterways.
Cost:
\$5
Video, 9 minutes (NEIWPCC, 1989)

GET INFORMED
Conservation, Local Action

 **Lakes Associations: People Making a Difference**
Code:
WQ-A19 This video provides important information about the value and power of lakes associations in restoring the natural beauty of New England's lakes. With cooperation, fun activities, and hard work, lakes associations can determine the causes of pollution in their lakes, establish criteria for water and shoreline usage, and ultimately preserve the very water that is most important to them. In addition to practical advice about how to get started, this video includes information about resources that people can send for if they want more specific details.
Cost:
\$5 S&H
\$20 Deposit
Video, 10 minutes
(New Hampshire Department of Environmental Services, 1993)

 **Partnerships for Watersheds**
Code:
WS-01 Beginning with a definition of watersheds, this video is geared to help community groups, conservation organizations, individual citizens, and town leaders recognize the importance of their watershed. Effective management of water quality in a watershed requires an understanding that pollutants can come from a variety of point and nonpoint sources. Only creative partnerships between local leaders, citizens, farmers, and businesses can improve the condition of local water quality.
Cost:
\$5 S&H
\$20 Deposit
Video, 13 minutes
Conservation Technology Information Center (USDA and EPA)

 **The Problem with Shallow Disposal Systems**
Code:
GW-20 Shallow disposal systems, generally used by businesses, are regulated by the Safe Drinking Water Act Underground Injection Control program. This video explains why regulation is not enough to protect community groundwater supplies from contamination leaching from shallow disposal systems. Instead, citizens must take an active role identifying and protecting themselves from potential polluters. The towns of Great Falls, Virginia, Española, New Mexico, and Missoula, Montana, provide the backdrop for three stories on how shallow disposal systems polluted groundwater and drinking water supplies and what communities have done in response.
Cost:
\$5 S&H
\$20 Deposit
Video, 16 minutes (EPA, 1998)

GET INFORMED

Conservation, Local Action



Protecting Coastal Waters: A Community Approach

Coastal communities understand very well the difficulty of preserving water quality while balancing the sometimes contradictory demands of use and protection. This educational video, geared towards community groups and town leaders, explains the characteristics of estuaries and the serious pollutants that can degrade their appearance and productivity. With an emphasis on community action, this video focuses on how communities can curb pollution of coastal waters while rejuvenating estuarine environments.

Video, 18 minutes (Oregon DEQ, 1991)

Code:
WQ-A11

Cost:
\$5 S&H
\$20 Deposit



Septage Spreading: Not in MY Backyard!

Presented by the New Hampshire Association of Septage Haulers, this video aims to educate the public about the benefits of recycling septage pumped from residential septic tanks. After discussing the disposal options for septic sludge, the video focuses on the more environmentally useful land application. With an emphasis on overcoming public opposition to land application of septage, the video demonstrates where land application can take place, what measures should be taken to protect public health, and the benefits to a community that allows land application of septage.

Video, 19 minutes

(New Hampshire Association of Septage Haulers)

Code:
BS-01

Cost:
\$5 S&H
\$20 Deposit



Watershed Connections: The Merrimack River Initiative

This video outlines the goals, objectives, and activities of the Merrimack River Initiative (MRI). By providing a history of the river's pollution, as well as current threats, the video establishes the importance of the MRI and its role today in New Hampshire and Massachusetts. With a description of the reach and uses of the river, it also emphasizes the importance of community involvement.

Video, 18 minutes (NEIWPCC, EPA, and MRWC, 1996)

Code:
WS-02

Cost:
\$5 S&H
\$20 Deposit

GET INFORMED

Wastewater, Septic Tanks, On-site Sewage Treatment

Code: Preserving the Carefree Flush

WW-A2 Wastewater treatment plants are an essential part of every community, but citizens often know very little about what they do. This video describes the important work of wastewater treatment facilities, the training required to run them, and the challenges faced by their operators. It is ideal for council members, conservation organizations, teachers, or anyone who wants a better understanding of the role and importance of wastewater treatment facilities in their community.

Video, 19 minutes (NEIWPCC, 1989)

*Indicate
your state
with order.*

Cost:
\$5

What Do You Know About Septic Systems?

See Page 28



The Care and Feeding of Your Septic Tank

This video educates the homeowner as to the proper care and maintenance of the septic tank. Like humans, septic tanks need periodic checkups and proper care to remain healthy and to function properly. Septic tank pumping schedules, correct septic tank 'diets,' and absorption field maintenance are discussed.

Video, 16 minutes

(National Small Flows Clearinghouse, 1991)

Code:
GW-A5

Cost:
\$5 S&H
\$20 Deposit



On-site Sewage Treatment Systems: Keeping Our Water Clean

Given the number of households that rely on on-site wastewater treatment (septic systems) to dispose of their household sewage, it is important for every resident to learn about them. This video offers a clear explanation of how septic systems work, how to maintain their effectiveness, and what can make them fail.

Video, 20 minutes (Media Services, Cornell University, 1995)

Code:
OS-01

Cost:
\$5 S&H
\$20 Deposit

GET INFORMED

Wastewater, Septic Tanks, On-site Sewage Treatment



Your Septic System: A Guide for Homeowners

Code:
GW-A4

Cost:
\$5 S&H
\$20 Deposit

This video is geared for anyone who lives in a home serviced by a septic system. Designed to remove the mystery about septic system maintenance, it details how a conventional septic system works. Starting with a brief introduction to the septic system as a whole (septic tank, distribution box, and leachfield), it also covers the 10 basic dos and don'ts that homeowners should follow to get the most out of their systems. The video was developed for homeowners, homeowners associations, realtors, and health departments.

Video, 11 minutes

(National Small Flows Clearinghouse, 1990)

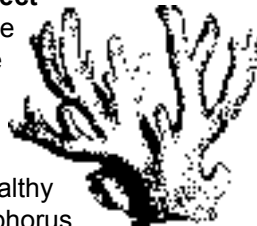


The Living Waters: Florida Keys Advanced Wastewater Treatment (AWT) Demonstration Project

Code:
OS-02

Cost:
\$5 S&H
\$20 Deposit

The sensitive marine environment of the Florida Keys provides the infrastructure for the lifestyle and economy of the area. Unfortunately, the soil type, the high water table, and the burgeoning population of the Keys has lead to unhealthy increases in nutrients, nitrogen, phosphorus, and pathogens that are killing the near shore marine areas and threatening the health of the people who live there. AWT's Demonstration project is part of a water quality protection program for the Florida Keys Marine Sanctuary. It is based on research that shows that faulty septic systems and cesspools are largely responsible for the near coastal water's degradation.



At the demonstration site, five types of septic systems are evaluated for efficiency and effectiveness in typical Keys conditions. Measuring power consumption, effluent, and capacity will allow the AWT to make recommendations to people about the best systems for their property's conditions. This video has application for community groups, watershed protection groups, lakes associations, or anyone who is seeking a model for evaluating on-site wastewater treatment options.

Video, 35 minutes

(Florida Department of Health On-site Sewage Program, 1996)

GET INFORMED

Biosolids, Residuals, Sludge

Code: **Positively Sludge**

BS-02

Cost:
\$5

Developed by NEIWPC's Residuals Workgroup, *Positively Sludge* discusses the growing public concern over sludge management, use, and disposal. The video outlines alternative uses for sludge currently employed in the New England states and New York including land application, surface disposal, pelletization, and incineration. This educational program provides both an overview of the treatment processes at work at wastewater facilities and the variety of options for beneficial use and disposal of sludge.

Video, 27 minutes (NEIWPC, 1993)



*Up to 5
copies.*

Residuals Brochures

Sludge or Biosolids (BS-03)
Land Application of Biosolids (BS-04)
Sewage Sludge Incineration (BS-05)
Composting Biosolids (BS-06)

Code:
BS-03
BS-04
BS-05
BS-06

Every day scientists discover new ways to recycle a variety of substances, thus protecting Earth's diminishing resources. One of the most beneficial substances we can recycle is sludge, the biosolid materials left over after water is cleaned at a wastewater treatment facility. This series of pamphlets focuses on the variety of ways biosolids or sludge can be recycled and what is done to ensure that such applications do not pose a health risk to the community. These publications are easy to read and include additional resources.

Brochures (NEIWPC, 1995)

Code: **That's Sludge with a Capital "R"**

WW-A6

Cost:
\$5

Developed for New Hampshire audiences, *That's Sludge with a Capital "R"* discusses the growing potential for sludge management, disposal, and use. The video outlines uses for sludge as a resource, including land application, surface disposal, pelletization, and incineration. This educational program provides both an overview of the treatment processes at work at wastewater facilities and the variety of options for beneficial use and disposal of sludge.

Video, 27 minutes

(New Hampshire Department of Environmental Services, 1993)

LOAN & PURCHASE PROCEDURES

Requests to borrow or buy items listed in the catalog should be made by completing the enclosed Order Form (p.18-19). We recommend that you copy the form from the book. Please be sure to fill out the form completely.

Orders should be sent to:

NEIWPCC Catalog
Boott Mills South
100 Foot of John Street
Lowell, MA 01852-1124

or FAX: 978/323-7919

Free Items: Requests for 'Free' items are limited to five (5) copies per person. If you require more than 5 copies, there may be a charge to cover shipping and/or reproductions. International requests may incur an additional charge for postage. For information, please contact our Lowell office 978/323-7929 or mail@neiwpc.org.

Loan Requirements:

- ◆ Charges for LOAN items cover the cost of shipping and handling within the United States. All items are sent by First Class Mail unless you specifically request Express/UPS shipping for an additional cost.
- ◆ A \$20 security deposit is collected on all loan items. Credit cards only, please. This deposit is not charged if the loaned item is returned within the loan period (30 days).
- ◆ Limit of three items on loan per person.

Loan Period: Loaned items are due back in NEIWPCC's Lowell office no more than 30 days from the date they are sent from NEIWPCC (see postmark). Failure to return loaned items within the prescribed loan period will result in a \$20 per item deduction from your credit card.

Charges for Special Shipping and Handling:

All items are sent by US First Class Mail unless otherwise specified. Following are UPS shipping costs within the United States.

UPS 2-Day Air: Add \$10
UPS Next-Day Air: Add \$20

International Shipping: Please call our office at 978/323-7929 or e-mail mail@neiwpc.org

Please allow two weeks for delivery of your requested materials.

**New England Interstate Water
Pollution Control Commission**
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Lowell, MA 01852-1124
Phone: 978/323-7929
Fax: 978/323-7919

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