



Division of Prevention
Bureau of Environmental Health

BEH News



Volume 7, Issue 4

November/December 2002

PLEASE SHARE THIS NEWSLETTER WITH ALL ENVIRONMENTAL HEALTH STAFF!!

MIDWEST WORKSHOP

The annual Midwest Workshop is fast approaching. Do you have your calendar marked?? Grab a writing implement and be sure to set aside March 24-27, 2003 for the workshop. This year we are going to pick up and move to a new side of town - we will visit the Northwest community of Dublin. The workshop will be held at the Wyndham Dublin Hotel.

General topics include Bioterrorism, Emergency Response, ICS, Food Safety, Residential Water & Sewage, Swimming Pools, Indoor Air Quality and Radon.

All health departments will be receiving a complete agenda and registration materials for the Midwest Workshop in mid-January. Registration remains at \$21 per day, with a cost break for multiple days. It is anticipated that each day will provide at least 6 hours of continuing education credit to sanitarians.

If you have any questions about Midwest Workshop or to request a registration packet, contact LeeAnn Hoon at 614-644-1897. ■

WELCOME ABOARD!!

The bureau welcomes new staff member, **Keith James**. Keith is a Sanitarian Program Specialist, working out of the ODH Southwest District Office in Dayton. His responsibilities will include providing construction inspections, training, technical assistance, and program survey services for the state mandated recreation program areas of public swimming pools, campgrounds, manufactured home parks and marinas. His area of responsibility will be primarily the lower half of the state, which will help to make ODH assistance more available to local health districts operating in central and southern Ohio. Keith comes to us from the Ohio Department of Agriculture, and brings with him a wealth of experience and expertise in environmental health and public health and safety.

We are pleased to have a new college intern join the Indoor Environments Section. **Neeru Mishra** will be working in support of the Ohio Indoor Air Quality Coalition. She is currently pursuing a MBA from Fisher College of Business at the Ohio State University, majoring in Operations, Logistics and Marketing management. She brings strong organizational skills and experience in team development to her work with the coalition. We're looking forward to the new development her participation will, no doubt, inspire.

Susan Brumm has accepted the HPA 2 position posted in the Disaster Preparedness and Response section. This position was made available due to funds received under a terrorism grant. She will be responsible for the Health Alert Network and terrorism training issues. ■

CPSC URGES SEASONAL HEATING SYSTEMS INSPECTIONS TO PREVENT CO DEATHS

WASHINGTON, D.C. - As the weather turns colder throughout much of the country, the U.S. Consumer Product Safety Commission (CPSC) urges consumers to have a professional inspection of all fuel-burning heating systems - including furnaces, boilers, fireplaces, water heaters and space heaters - to detect potentially deadly carbon monoxide (CO) leaks.

Under certain conditions, all appliances that burn fuels can leak deadly CO. These fuels include kerosene; oil; coal; both natural and liquefied petroleum gas; and wood.

"Having a professional inspection of your fuel-burning heating appliances is the first line of defense against the silent killer, carbon monoxide poisoning," said CPSC Chairman Hal Stratton.

CO is a colorless, odorless gas that can be produced by burning any fuel. The initial symptoms of CO poisoning are similar to flu, and include headache, fatigue, shortness of breath, nausea and dizziness. Exposure to high levels of CO can cause death.

"Each year, CO poisoning from heating systems and water heaters kills about 160 people in the U.S.," said Stratton. "Many of these tragedies could be prevented by having a professional check your heating system and water heater annually for CO leaks."

CPSC recommends that the yearly professional inspection include checking chimneys, flues and vents for leakage and blockage by debris. Birds, other animals and insects sometimes nest in vents and block exhaust gases, causing the gases to enter the home. In addition, all vents to furnaces, water heaters, boilers and other fuel-burning heating appliances should be checked to make sure they are not loose or disconnected.

Also, have your appliances inspected for gas leaks and adequate ventilation. A supply of fresh air is important to help carry pollutants up the chimney, stovepipe or flue, and is

necessary for the complete combustion of any fuel. Never block ventilation air openings. Also, make sure the appliance is operating on the fuel that it is designed to use. To convert an appliance to burn propane, it must be modified by a professional.

CPSC recommends that every home have at least one CO alarm that meets one of these standards: Canadian Standards Association 6.19-01, 2001; Underwriters Laboratories Inc. 2034, Second Edition, October 1998; or the International Approval Services 6-96, Second Edition, June 1, 1998.

In 1998, CPSC worked with the furnace and boiler industry and the manufacturers of high-temperature plastic vent (HTPV) pipes to conduct a vent pipe recall program. The program's purpose is to replace, free of charge, an estimated 250,000 HTPV pipe systems attached to gas or propane furnaces or boilers in consumers' homes. The HTPV pipes could crack or separate at the joints and leak CO. Consumers should call the HTPV pipe recall hotline toll-free at (800) 758-3688, between 7 a.m. and 11 p.m. ET, seven days a week, to verify whether their appliance venting systems are subject to this program.

CPSC continues to work with the furnace industry to develop new technologies to address the hazards of CO poisoning and fire. Results include a voluntary furnace standard that added blocked-vent shut-off devices to protect against blocked vent pipes and chimneys, and vented heater requirements to guard against a vent pipe becoming separated from the furnace. Both of these conditions could lead to CO poisonings. Also, all gas-fired furnaces manufactured since 1987 have flame roll-out protection technology that prevents flames from spilling out of the furnace's combustion chamber and starting a fire. ■

DISASTER PREPAREDNESS AND RESPONSE UPDATE

By the time you read this, the state of Ohio will have completed 7 regional meetings throughout the state giving local responders a day with state officials so they might understand the recent terrorism incidents, what the state is doing and how we are trying to help them.

Lt. Governor Maureen O'Connor has spoken at each of the gatherings, giving a perspective of our link to Gov. Ridge's group and what the federal initiatives are. Lt. Paul McClellan, Ohio Highway Patrol spoke about the Patrol's role in bringing law enforcement into the pact and how they have researched personal protective equipment with their local and county peers. Brian Pfeiffer of the Division of EMS speaks about licensing for EMS, grants that they have and the role his division has played in dealing with training issues and other problems. Bob Rhoades, ODH Emergency Response Coordinator advised the group on available grants, what ODH has been responsible for under the State of Ohio Security Task Force, the MARCS radio system and other important, health related issues.

Following the briefings, the rest of the day is spent in breakout sessions allowing the local people to air problems they are encountering and, hopefully hear solutions from the state people in attendance. In the end all attendees come back to a central room for a county by county report of the days proceedings and how they affect each county. The sessions started the first week of October and finished up at the end of the month.

Bob Rhoades and Santosh Kumar, Emergency Response Coordinators recently completed a day long training session with new Sanitarians In Training. The day long training session allows the new sanitarians to receive a Certificate for Hazmat Awareness as well as be brought up to speed on disaster planning and terrorist issues.

Sharon Stanley, Disaster Preparedness Chief, and a Colonel in the US Army Reserve, recently departed the bureau on a one year military leave. During her tour of active duty she will be stationed at the US Army War College as a student. She is one of only three reservists picked for this honor.

The Multi Agency Radio Communication System (MARCS) is up and running in the area and counties surrounding Franklin County. The multi-million dollar project is administered by the Department of Administrative Services (DAS) and is subscribed to by numerous state agencies. Additionally, the MARCS system is being offered to local governments both local and county. ODH is purchasing "seed" equipment for local health departments and hospitals as a way of furthering the Health Alert Network. MARCS is a state of the art, digital, 800 Mhz system capable of totally secure voice and data transmissions throughout the state. A total of 201 tower sites throughout the state will virtually guarantee clear constant communications. The whole project is scheduled for completion in October 2004. It is being built in phases all over Ohio. ■

A NEW FOOD SAFETY TOOL: SARAN DISPOSABLE CUTTING SHEETS

The following information was provided by the manufacturer.



Each year, there are an estimated 76 million cases of foodborne illness.

Unfortunately, mishandling of food at home is a leading cause -- and cutting boards may be a major culprit. But now there's a new tool to help reduce the risk of

bacterial contamination.

Saran Disposable Cutting Sheets are durable and disposable "cutting boards" that allow you to simply toss out the germy mess after preparing raw meats, poultry and fish. Developed using new technology, the 10" x 12" plastic and paper sheets are built with three layers that give it the unique benefits:

- Top cut-resistant layer provides a thin, sanitary cutting surface;
- Middle absorbent layer soaks up the juices from raw meats and poultry to avoid mess while cutting;
- Bottom liquid-protection layer helps prevent bacteria-laden liquids from overflowing on kitchen surfaces.

A cut above other cutting boards. Cutting boards can be breeding grounds for bacteria. Even after thoroughly cleaning the surface, you can never be sure you've been successful. With Saran Disposable Cutting Sheets, you start out with a clean, fresh surface each time.

Cut down on clean up. These new plastic and paper cutting sheets are a convenient time-saver to help cut down on clean up. Now you can simply toss the disposable sheet. Also, there's no need now for separate cutting boards for different goods. These disposable cutting sheets will help you reduce the risk of cross contamination - a major cause of foodborne illness.

Availability. Saran Disposable Cutting Sheets are now available in supermarkets, drug stores and mass merchandisers.

Affordable Option. The suggested retail price is \$3.99 for a pack of 20 sheets. ■

This newsletter is a bimonthly publication of the

Ohio Department of Health
Bureau of Environmental Health
246 N. High St., P.O. Box 118
Columbus, Ohio 43216-0118
614-466-1390

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PLEASE SHARE THIS NEWSLETTER WITH ALL ENVIRONMENTAL HEALTH PERSONNEL.

Deadline dates for article submission are:

December 27, 2002
February 28, 2003
April 26, 2003
June 28, 2003

PARTICIPATE IN THE SURVEY

The Water Environment Research Foundation (WERF) of Forest Lake, Minnesota is attempting to gather information concerning the feasibility, design criteria and O&M requirements for small scale constructed wetlands (CW) for treatment of household sewage. The results of this study are due out in July 2004.

A web site, www.wetlandsurvey.org has been created to gather information on small scale CWs. Each CW can be registered on this web site. If you do not have access to the Internet the information can be sent, hard copies to:

Water Environment Research Foundation
20920 Keewahtin Ave.
Forest Lake, MN 55025
651-433-2115 ■

GUIDANCE FOR HOUSEHOLD SEWAGE SYSTEM EXPERIMENTAL CONCURRENCE REQUESTS

The BEH Residential Water and Sewage Program has issued a guidance document on the experimental concurrence process under OAC 3701-29-20(B). This resource document provides general guidance on the experimental concurrence process and identifies technical standards for the siting, design, installation, and maintenance of experimental systems. Local health department responsibilities for experimental program management are emphasized.

ODH program staff have been using this new resource as a tool for guiding discussions with small groups of staff at local health departments. Having these discussions within an individual department allows the group to address issues and approaches that are unique to the local jurisdiction. Significant issues such as program staff capacity, administrative support, and financial resources needed to manage an experimental program are discussed.

It should be noted that the [Guidance for Household Sewage System Experimental Concurrence Requests](#) was **not** developed and

should **not** be interpreted as an ODH encouragement to use alternative systems for the development of marginal sites where a local health department has prohibited the use of household systems. Where there are valid public health risks associated with permitting a household system on a marginal site, it is reasonable to deny installation permits or variance requests for alternative household systems. Rather, this guidance document was developed to promote a comprehensive management approach for longterm success and value from the use of alternative household sewage systems for those local health departments choosing to develop or expand an experimental program.

The experimental concurrence guidance is available on the ODH web site at <http://www.odh.state.oh.us/ODHPrograms/SEWAGE/HSLList/ExpGuid.PDF> or can be obtained in an electronic format by e-mail or in hard copy by direct mail. Call Jean Caudill or Tom Grigsby at 614-466-1390 for more information or to schedule a meeting at your local health department to discuss the experimental concurrence process. ■

Hard copies of the
**USEPA ON SITE WASTEWATER TREATMENT
SYSTEMS MANUAL**
are NOW AVAILABLE!

To order a **FREE** printed copy

call 1-800-490-9198

or send your request to:

**USEPA/NSCEP
P.O. Box 42419
Cincinnati, Ohio 45242-0419**

or send an e-mail to

ncepimal@one.net

Remember to include your name and address
and indicate that you are ordering publication
EPA/625/R-00/008, February 2002

HOUSEHOLD SEWAGE PRODUCT REVIEW

The BEH Residential Water & Sewage Program staff has recently reviewed a number of household sewage system products for use in Ohio. A summary of each product review and where more information can be found is provided here.

Special Device Approvals Per OAC 3701-29-20(C)

Bio-Microbics, Inc. RetroFAST® 0.25 and 0.375

The RetroFAST is a treatment component marketed by Bio-Microbics that has been approved as a special device for restricted use limited to repairs and enhancement to help rejuvenate an existing leach field or to prolong its life. The RetroFAST is inserted in the second compartment of a septic tank as a submerged attached-growth (fixed-film) and suspended-growth treatment system. Liquid in the second compartment is drawn into the RetroFAST unit by an airlift system with air pumped into the central unit by a remote air blower. The RetroFAST unit may not be used as a pretreatment component in a household system for a new home. For more information, contact:

Bio-Microbics, Inc.
8450 Cole Parkway
Shawnee, Kansas 66227
800-753-3278
<http://www.biomicrobics.com>

Aerobic Treatment Units

The following companies have aerobic treatment units that have been approved for use in Ohio per OAC 3701-29-08 or are currently listed and have requested additional units be approved "as in a like series".

Aqua Safe Aerobic Treatment Units by Ecological Tanks, Inc.

The Aqua Safe is an aerobic treatment device, which uses an extended aeration process. It is housed in a fiberglass unit, with the compressor sitting outside the unit, feeding four air lines around the perimeter of the aeration mixing compartment. There is a cone shaped settling or clarifier compartment within the unit. The use of a separate trash trap, while not required may be beneficial. The Aqua Safe is approved to treat 500 gpd, 600 gpd, 750 gpd, 1000 gpd and 1500 gpd. For more information contact:

Ecological Tanks, Inc.
Aqua Safe Wastewater Treatment Systems
2247 Hwy. 151 N.
Downsville, LA 71234
318-644-0397

Septic Tanks

The following septic tanks have been reviewed and found to be in compliance with the Household Sewage Disposal Rules.

EP Sales Inc.
4971 N Hwy 5
Camdentton, MO 65020
888-377-2537
1000 and 1500 Fiberglass Septic Tanks

Xerxes Corporation
515 West South Street
Tipton, IA 52772
319- 886-6172
RST-II 1000 gallon and RST-II 1500 gallon
Fiberglass Septic tanks

Both of these companies manufacture fiberglass tanks. The tanks must be installed according to manufacturers instructions with regard to sealing the mid seams of the tanks and any other siting restrictions.

Norwesco
4365 Steiner Street
P.O. Box 439
St. Bonifacius, MN 55375-0439

Norwesco manufactures and distributes polyethylene septic tanks and cisterns. Recently the 1200 and 1700 gallon below ground cisterns were reviewed to determine if they complied with Ohio Administrative Code 3701-29-07 which covers septic tanks. These cisterns were found to comply with these rules. The reason for the request is because the cisterns are designed to withstand greater external loading pressure when empty, thus they can serve as pump when used for septic systems. These tanks must be installed as per the manufacturer's instructions. The cisterns are white while the Norwesco septic tanks may be different colors.

Premier Tech Environment
USA Headquarters
7051 Meadow Lark Drive
Building 200, Suite 208
Birmingham, Alabama 35242
877-295-5763
www.premiertech.com

Premier Tech Environment produces polyethylene septic tanks. These tanks are shipped with the EFT-080 effluent filter included in the tank. The PST 500-1140 gallon and the PST 660-1500 gallon tanks have been reviewed and found to be in compliance with OAC 3701-29. These tanks must be installed per the manufacturer's instructions.

Buckeye Precast
8936 State Route 348
Bluecreek, Ohio 45616

The 2000 gallon two compartment septic tank, Mold 20 is a precast concrete tank, which complies with the OAC 3701-29. The following tanks have been approved as special devices: Mold 9-1500 gallon, Mold 10-1000 gallon, Mold 11-1500 gallon and Mold 12-1000 gallon.

Updated listings of septic tanks and aerobic treatment units are available on the ODH web site at <http://www.odh.state.oh.us/ODHPrograms/SEWAGE/sewserv.htm> or can be obtained in hard copy by calling BEH at 614-466-1390. ■

2002 OPERATION INSPECTION PROGRAM SURVEY

A paper reporting on the results of the January 2002 survey of Ohio local health departments' operation inspection programs was presented at the NOWRA 11th Annual Conference and Exposition held in Kansas City in September. The preliminary survey results were presented in March at the ODH 2002 Midwest Workshop. Detailed survey responses are available in a database table format and have been sent to each local health department responding to the survey. The responding individuals and local health departments are acknowledged in the NOWRA paper for their hard work and effort in implementing these operation inspection programs.

Now that the "Survey of Local Health Department Operation Inspection Programs in Ohio" has been published in the NOWRA conference proceedings, this paper on the ODH survey results is available for distribution. Other papers have been written by

Ohio authors on topics discussed in this report on local health departments' operation inspection programs. The following publications are referenced in the report and provide excellent information on two of our county health district programs, financial resources in Ohio, system performance, and onsite management:

Ingram, T., T. Hull, and T. Goodman. 1999. On-site wastewater management – an integrated approach to improving water quality and preventing disease. *Journal of Environmental Health*. NEHA, Denver CO

Mancl, K. and M. Volmer. 2001. Management of individual mechanical sewage-treatment systems: how much is needed? *Journal of Environmental Health*. NEHA, Denver CO

Mancl, K. 2002. Model for success in on-site wastewater management. *Journal of Environmental Health*. NEHA, Denver CO

Northeast Ohio Areawide Coordinating Agency (NOACA). 2001. Survey of Northeast Ohio home sewage disposal systems and semi-public sewage disposal systems. NOACA, Cleveland OH

Novickis, R. 2001. The Cuyahoga county board of health's diverse approach to wastewater management. *Proceedings of the NOWRA 10th Annual Conference*. NOWRA, Laurel MD

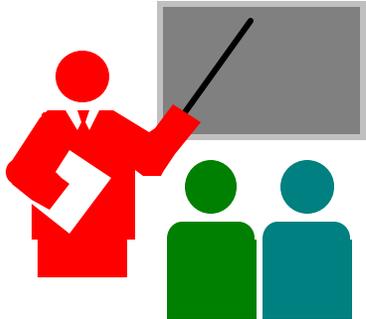
Stefanak, M. and J. Rouch. 2001. Funding on-site wastewater system improvements with linked-deposit loans. *Journal of Environmental Health*. NEHA, Denver CO

Stark, H. 1998. Survey of county health department household sewage programs. *Ohio Journal of Environmental Health*. OEHA, Columbus OH

Copies of these publications or the paper entitled "Survey of Local Health Department Operation Inspection Programs in Ohio" can be obtained by contacting Jean Caudill at 614-644-7181 or jcaudill@gw.odh.state.oh.us. ■

SUCCESSFUL 2002 SOILS TRAINING PAVES WAY TO 2003 MIDWEST WORKSHOP TOPIC

Jean Caudill, RS



In the Fall of 2002, five regional soils training sessions were held for sanitarians working in Local Health Department household sewage system programs. From the feedback received to date, these one-day sessions were judged to be an overwhelming success by all parties involved. Partners making this a successful pilot effort include the Soil Inventory Board, ODNR, NRCS and their Resource Soil Scientists, ODH, the local Health Departments and Soil and Water Conservation Districts hosting the sessions, and the five "dirty dozen" groups of sanitarians who got their hands very "soiled" as active participants.

The workshops were limited to 12 sanitarians per session to allow for hands-on training "in the pits" with the soil scientists. These five regional workshops will be offered each year in varying locations around the state so that additional sanitarians will have the opportunity to participate. This first year pilot effort, and other soils training provided in 2002, has paved the way for our 2003 Midwest Workshop topic for the Household Sewage Program.

MARK YOUR CALENDARS FOR TUESDAY - MARCH 25, 2003! With sanitarians gaining a better understanding of how soil characteristics can influence the treatment of household sewage, it is time to explore more fully how soil characteristics relate to limiting conditions in the soil profile and the estimation or selection of wastewater loading rates. This exploration will include the consideration of design boundaries and three types of loading

rates, including soil loading, linear loading, and instantaneous loading rates.

ODH will be asking our own Dr. Brian Slater of OSU and Dr. E. Jerry Tyler of the University of Wisconsin to assist us in the exploration of these more complex issues related to translating soil and site information to system design and performance. Dr. Tyler has spent time in Ohio looking at our soils, and with the support of the Lake County General Health District, developed a combined soil and linear loading rate table. This table is included as an appendix to the ODH site evaluation information and is available on the ODH web site under the Publications section of the Household Sewage Program web page at <http://www.odh.state.oh.us/ODHPrograms/SEWAGE/sewage1.htm>

As the finale to the Midwest Workshop one-day training program, Dr. Slater and Dr. Tyler will join with a panel of Ohio soil scientists from ODNR and NRCS for an open discussion of issues raised by the panelists and the audience. In an effort to encourage interaction, other soil scientists conducting soil evaluations for sewage systems will be invited to attend. Total attendance for this advanced training opportunity will be limited to 100 participants. If you want be part of the fun, watch for the 2003 Midwest Workshop announcement and register early. ■

SWIMMING POOL AD HOC ADVISORY COMMITTEE MEETING MINUTES

Recreation Program

AUGUST 27, 2002 MEETING

Old Business

Discuss minutes of July 30, 2002. After review, the minutes were approved.

Proposal # 45 A – Chuck Kunsman submitted a revised version of proposed changes to rule 3701-31-05 (D) for passage. He reaffirmed that this committee will provide a list of acceptable certification courses to ODH should the changes be adopted by the Public Health Council. The proposal was passed by consensus of the committee.

Proposal # 50 A – Peter Jen submitted a revised version of proposal #50 which affected rule 3701-31-041 (Q) and calls for all pools, spas, water attractions, water slides, and public spa jet pump systems to have at least two suction drains on the pumping system. Furthermore, a single oversized suction drain would be acceptable for water attractions and water slides provided that the flow velocity through the grate does not exceed 1.5 feet per second, and the drain has an area of at least 324 square inches. Also, the grate construction should be of a single piece design. After further discussion, the committee decided to table this proposal so that the language could be further refined.

Proposal # 51 – Pat Lunsford submitted a revised version of proposed changes to rule 3701-04 (I) affecting the use of starting blocks and diving from the pool deck during competitive events. The proposed language specifies required water depths of at least 5ft. at a point 1ft. from the end wall, to at least 4ft. at a point 16ft. 5in. from the end wall. The proposal also allows the use of starting blocks and diving from the pool deck in pools constructed prior to 1/2004, provided that the depth of water in those areas is at least 4ft. as measured at the pool wall. After further discussion, the committee passed the proposal.

New Business

The committee briefly discussed the existing language in rule 3701-31-07 (A)(3)(c) relative to interlocking an automatic chemical controller with the recirculation pump of a swimming pool. This subject was discussed in light of recent accidents that occurred this summer that appeared to involve automatic chemical controllers. No decision was made by the committee, and the subject will be discussed at future meetings.

The committee also briefly discussed Ecolab pools in which the water quality is monitored and adjusted from remote locations and the pool operator is not supposed to actively participate in this phase of pool management.

Assignments:

Terry Smith will investigate the subject of requiring a disinfectant feeding device on special features such as fountains, and whether there should be separate recirculation systems and chemical controllers on new wading pools.

Barry Rice will investigate wet decks and whether they can be regulated by the Public Health Council.

SEPTEMBER 24, 2002 MEETING

Old Business

Discuss minutes of August 27, 2002. After review, the minutes were approved as submitted.

Proposal # 52 – Terry Smith submitted a proposal that specifies that a wading pool or special use pool shall be provided with its own filter system, complete with chemical feed equipment, and shall not share a filter system with another public swimming pool. (This would be for new pools only) After a brief discussion, the proposal was passed by consensus of the committee.

A synopsis of all approved proposals was distributed and reviewed individually by the

committee. The following changes were made:

- 1) 3701-01 (Y) add "in section 3749.01 of the ORC" to the proposed definition of "pool".
- 2) 3701-01 (X) remove the word "qualitative" and end definition after the first sentence.
- 3) 3701-31-04 (I)(2) correct misspelling.
- 4) 3701-31-041 (M)(5) change "when underwater lighting is required" to "when underwater lighting is used".
(this will be re-discussed at next meeting)
- 5) 3701-31-06(A) & (J) correct punctuation.

Kris Bosworth and Barry Rice discussed the pending requirements for determining the rate of flow on special features or jet pumps. Barry felt it should apply to all pools. Kris felt it should apply to new pools only. No conclusion was reached so the proposal was not changed.

The committee discussed the affect that proposed language in rule 3701-31-06 (J) would have on Ecolab Pools. The proposal would require an authorized representative of the licensee to be on site or within 30 minutes of site whenever the pool/spa is open for use. The conclusion was not to change the proposed language.

Subcommittee Reports

John Aseere discussed his subcommittee's goal of dropping the recreational diving design standards from the rules for new construction. All newly constructed pools will be required to meet competitive diving design standards.

There were no other subcommittee reports offered.

New Business

Proposal #53 – Terry Smith reintroduced a proposal (formerly #26, which had failed) that would require a valve to be installed after the recirculating pump to control the flow of water. After discussion, the proposal was tabled until the next meeting.

Barry Rice and Frank Duale briefly discussed the elimination of bid plans. More to come.

Assignments:

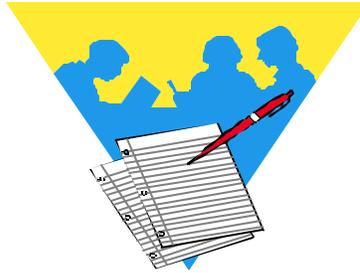
Terry Smith will investigate the subject of requiring a disinfectant feeding device on special features such as fountains.

Barry Rice will discuss wet decks and whether the Public Health Council can regulate them.

The next meeting is scheduled for Tuesday, October 29, 2002 at the same location and the same time. ■

CALENDAR OF UPCOMING EVENTS

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2002 - 2003

DECEMBER 2002

12 **RS Exam** - Columbus - PES Examination 10:00 am. For more information contact the State Board of Sanitarian Registration at 614-466-1772.

JANUARY 2003

8 - 9 **Ohio Onsite Wastewater Association Annual Conference** - University Plaza Hotel, Columbus, Ohio. For more information contact Tom Grigsby, RS at 614-644-8663.

MARCH 2003

24 - 27 **Midwest Workshop in Environmental Health** - Dublin Wyndham Hotel, 600 Metro Place North, Dublin, OH. Contact LeeAnn Hoon at 614-466-1390 for more information.

APRIL 2003

15 - 16 **Ohio Environmental Health Association** - Annual Educational Conference. University Plaza Hotel, Columbus, OH. For more information contact Pam Thomas, at the Ohio Department of Health at 614-728-6844

17 **RS Exam** - Columbus - PES Examination 10:00 am. For more information contact the State Board of Sanitarian Registration at 614-466-1772.

MAY 2003

12 - 14 **Public Health Combined Conference** - Marriott North, Columbus, OH. For more information contact Pete Schade, OEHA President at the Cuyahoga County. Board of Health at 216-443-7548. ■