



D i g e s t e r o v e r t h e s p i l l w a y

"for optimum operation/maintenance of all water and wastewater facilities"

It's a First: Top Operator, Runner-up Co-workers at Same Treatment Plant

For the first time in nearly seven decades of Illinois Potable Water Supply Operators Association conferences, both the Operator of the Year and one of two runners up in the same category work at the same water treatment plant. Jim Hughes, operator of the Hazel Crest plant, was named "Operator of the Year" in the distribution-only category, and Jerry Davis, of the same plant, was a runner-up. Hughes resides in Homewood; Davis is a Hazel Crest resident. Alan Ohlendorf, of Beecher, operator of the Flossmoor

plant, was the other runner-up in that division.

During the group's 69th annual conference Sept. 13-15 in Springfield, the IPWSOA gave its annual recognition to nine Illinois drinking water plant operators for their efforts in providing plentiful, safe drinking water to users. The event is co-sponsored by the Illinois Environmental Protection Agency, which oversees operations of approximately 1,800 public water supplies serving Illinois.

Also selected for recognition in 2000 as Operators of the Year were Greg Swanson, of Moline, in the surface water category and Dean Gorter, Marengo, for supplies using groundwater. This year's other runners-up were Roger Hobbs, Flora, and Cynthia Munger, Peotone, in the surface water category and Ron Erickson, Momence, and Don McCauley, Wyoming, in the ground water category.

Peers rate, computer picks winners

"Operator of the Year" is the highest professional honor operators can receive in recognition of service and performance in the waterworks industry. The professional organization selects an "Operator of the Year" in groundwater, surface water and distribution categories each year, and usually designates two runners-up in each category.

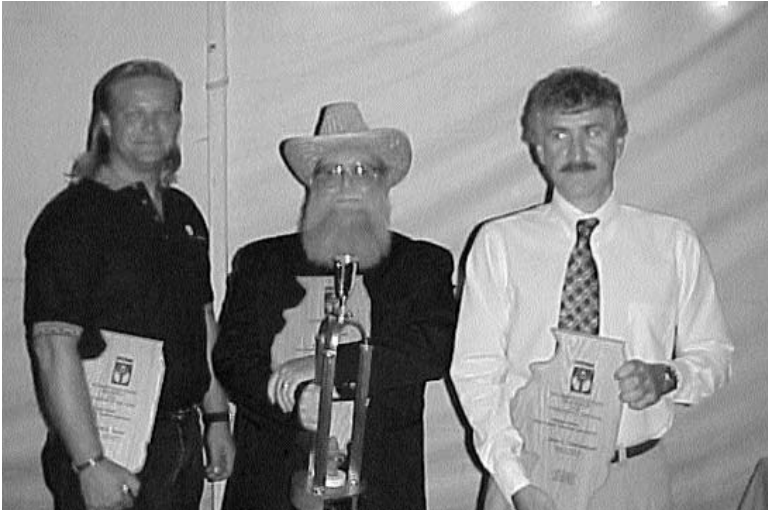
Nominees are interviewed by a selection committee during a fly-around of the state. Nominees are



Dinner kicked off with a choreographed fireworks display.

IPWSOA Conference	1-3
Wastewater Nominees	3
Stormwater Regulations	4
Stricter Ammonia Limits	4
Operator News	5

Distribution-only runners-up Jerry Davis, left, and Alan Oblendorf flank Operator of the Year Jim Hughes.



rated according to a numeric system by committee members, and results are then tallied, and winners selected, by computer.

Swanson, a water professional for more than 23 years, is water plant manager for the Moline water supply, pumping an average of 5.7 million gallons a day to 16,536 service connections. Gorter supervises a plant providing Carpentersville with an average three million gallons a day to 8,500 services. Hughes is chief operator for the Hazel Crest water treatment plant and also serves part time at the plants serving the city of Harvey and the Olympia



Roger Hobbs, left and Cynthia Munger, right, were runners-up for surface water and Greg Swanson, center, was Operator of the Year.



Runners-up Ron Erickson, left, and Don McCauley, right, with ground-water Operator of the Year Dean Gorter.

Fields Country club. The Hazel Crest plant provides an average 1.5 million gallons daily.

Davis, runner-up in the distribution category, initiated an upgrade to the SCADA System which has saved approximately \$5000 a year in over-

time while allowing staff to devote more time to maintenance.

Of the runners-up in the surface water category, Hobbs is chief operator for a plant pumping an average 700,000 gallons a day from the Little Wabash River and Munger heads up

operations at a plant constructed in 1886 and last expanded in 1967. As production manager for the combined Kankakee/Will counties division, she is also responsible for an activated sludge plant in University Park, a smaller activated sludge plant in Plumcreek and a wastewater lagoon.

Ohlendorf is utility technician for the water supply serving the village of Flossmoor with purchased water, and is also responsible for maintaining six underground sewage lift stations. Erickson is chief operator for the 3.2 mgd Park Forest municipal water treatment plant.

McCauley's Wyoming plant averages 170,000 gallons a day. He is also operator for Princeville's new reverse osmosis water treatment plant, and has been acting as consultant during construction of a new plant, which he will supervise, for Bradford.

Honorees were recognized and presented with trophies during the annual recognition banquet at the Crowne Plaza Hotel. Nominees were announced at the end of the dinner, and members and guests then adjourned to a tent on the grounds for the evening's spectacular fireworks display, dessert and dancing. En route each was presented with a straw hat, symbolizing the event's Fall Festival theme.

Nearly all of the nine operators honored find time to be active in church, community and professional activities.

New Officers for IPWSOA Elected During Conference

Kim Albers, water superintendent for Illinois-American Water Co.'s Pekin division, is the new president of the Illinois Potable Water Supply Operators Association. He succeeds outgoing president James Swayze, water operations manager at Carbondale.

Election of officers for 2000 was held during the 69th IPWSOA annual conference Sept. 13-15 in Springfield.

Richard Alwood, Bloomington public water supply, is new first vice president, and Darrell (Whitey) Swanson, water superintendent at Geneseo, is now second vice presi-

dent. Larry Coloni, water superintendent at Forsythe, is third vice president; Robert Frank, director of water, Collinsville, is treasurer and David Berry, Olney, is new secretary.

IPWSOA Sets Another Attendance Record

The Illinois Public Water Supply Operators Association set another attendance record at its 69th annual conference Sept. 13-15 in Springfield with an enrollment of 1108 tallied.

The two and a half day event offered displays of new products and services, discussions on regulations,

recent and anticipated regulatory changes, source water adequacy and protection, new technology, as well as certification, continuing education and a consumer report update.

While operators attended professional sessions, spouses were offered a separate program of demonstrations,

tours and talks on subjects ranging from nutrition and exercise to gardening, personal safety and the life of a Victorian housewife.

Nominees Selected For Wastewater Awards

To recognize operational excellence in wastewater treatment plant operations, outstanding operators and plants annually are selected to receive recognition during the yearly conference of the Illinois Association of Water Pollution Control Operators. Winners selected from the current slate will be announced and receive awards during the IAWPCO annual conference next April

Because of the number of possible contenders, selection as a nominee is itself a significant recognition of the efforts of operators and public officials to promote good wastewater treatment and protect receiving waters.

Nominated from among 167 potential nominees as Best Operated Group 1 Wastewater Treatment facility were the cities of Hillsboro and Belvidere, Roselle's Devlin WWTF, Moline's North Slope WWTF, the Bloomington and Normal Water Reclamation District, and the American Bottoms regional WWTF.

Nominated among Best Operated Group 2 Wastewater Treatment Facility (287 potential nominees) were the cities of Fairfield, Abingdon, White Hall and Gibson City, the village of Millstadt, the Albany Sanitary District, and the New Lenox STP #2.

The four nominees selected from among 161 possible contenders for Best Operated Group 3 Wastewater Treatment Facility are the cities of Sterling and Jerseyville, the village of Bradford, and Lincoln Trail State Park.

Selected from among 673 potential nominees in the category for Best Operated Group 4 Wastewater Treatment Facility were the villages of Ashton, Rossville, and Camp Point, the Rend Lake Conservancy District, and Eldon Hazlet State Park.

Recognition is also given for industrial achievement. From among 1,475 potential nominees, named as contenders were Eaton Corp., Lincoln; Honeywell Sensing & Controls, Freeport; The Ensign-Bickford Co.,

Wolf Lake, and Hershey Chocolate & Confectionery Co., Inc., Robinson.

Five nominees were chosen from among 4,775 potential contenders for consideration as Outstanding Operator of the Year. They are Ray Bailey, Troy; Greg Gress, Hoopeston; Dennis Streicher, Elmhurst; David Prewitt, Vienna Correctional Center, and Robert L. Willard, Taylorville Sanitary District (US Filter).

Digester/Over the Spillway

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Division of Water Pollution Control.

Editor.....Joan Muraro

New Stormwater Regulations

Al Trividi and Marilyn Davenport

The Storm Water Phase II Final Rule establishes a small municipal separate storm sewer system (small MS4) storm water management program. It also requires some wastewater treatment plants to obtain an industrial storm water permit.

The Rule may affect your municipality or treatment plant if:

- Your municipality is a small MS4 in an “urbanized area”. If so, your municipality must apply for permit coverage no later than March 10, 2003.
- Your municipality is a small MS4 outside of an “urbanized area”. If so,

your municipality must apply for permit coverage within 180 days of notice unless the IEPA Director grants a later date.

- Your wastewater treatment plant is designed to treat 1.0 MGD or more and serves a population of less than 100,000. If so, you must apply for coverage under the Illinois NPDES general permit for industrial storm water no later than March 10, 2003.

The municipal storm water management program must be implemented up to five years from the date of permit issuance. The wastewater treat-

ment plant industrial storm water plans must be developed within six months and implemented within one year of permit issuance.

If you want to know if your municipality is on the list of small MS4s or if you would like to obtain a copy of the list, please contact the Permit Section at 217-782-0610. Another source of Phase II information is the USEPA web site:

<http://www.epa.gov/owm/sw/phase2/>

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Your Next Permit Limits on Total Ammonia Could Be More Stringent

Ammonia regulations adopted in 1996 may impact upcoming permits

The ammonia regulations adopted in December 1996 may have an impact on the ammonia limits in your next permit. Current regulations convert the water quality standard from un-ionized ammonia to a total ammonia permit limit by using the pH and temperature from the nearest downstream AWQMN station or the nearest representative station. The 75th percentile pH and temperature, from the representative AWQMN station, are used to calculate the proposed permit limit. If the resulting proposed permit limit is above 1.5 mg/L (summer) and 4.0 mg/L (winter) the proposed permit limit is placed into the permit. If the proposed permit limit is less than 1.5/4, then the 50th percentile pH is used in the calculation but is limited to a maximum permit limit of 1.5/4.

These proposed permit limits are subject to anti-backsliding (which means that the next permit cannot allow less stringent permit limits unless certain conditions are met).

The Agency is recommending that facilities that may be affected by the new ammonia water quality standard ask the Agency to calculate proposed permit limits for their facility. This should be done as soon as possible. If the facility cannot meet the proposed ammonia permit limits, they have several options: do site-specific pH and temperature monitoring in the receiving stream below the discharge, apply for an Effluent Modified Water (EMW), or seek site-specific relief from the Illinois Pollution Control Board. For site-specific monitoring, the Agency would prefer two years of sampling at

one sample per week. The EMW process is quite involved and will not be applicable to all receiving waters. The Agency should be contacted before one of the above options is implemented to obtain a consensus on the location and type of sampling necessary.

If you would like to have the Agency calculate proposed permit limits for your facility, contact Scott Twait at 217-782-3362 and ask for proposed permit limits.

If these limits are not attainable, you can consider the appropriate action.

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Operator News

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Central Illinois Professional Wastewater Operators

Prize-winning barbecue and a plant tour were among the highlights of the CIPWO summer meeting held July 26 at Paris, Ill.

The business session offered a presentation on wastewater treatment plant safety for operators, by Mike Fairbrother of Employers Security Insurance Co., and a talk on Aerobic Digestion Process Control by Elana Bailey, PE. Ms. Bailey is national aeration manager for Enviroquip of Austin, Tex. Richard Yates of Yates Professional Engineering discussed anaerobic to aerobic digestion, and



Barbecue starred on the lunchtime menu.

Bob Colvin, environmental project manager for Francis Associates, made a presentation on the anaerobic to aerobic digester conversion at Paris.

Lunch featured the prize-winning barbecue served up by the Great Boars of Fire, followed by drawings for door prizes. David Trowbridge, superintendent of the Paris wastewater treatment plant, conducted tours of the plant, highlighting the recently completed digester conversion.

(More Operator News on back page)

Southern Illinois Water Operators Association

More than 130 operators, regulatory personnel, engineers and other water professions attended the 66th spring conference of the Southern Illinois Water Operators Association at Olive Branch on May 25. South Water Inc. hosted the event which opened with greetings from South Water superintendent Ron Medlin. An update on MTBE monitoring in Illinois water systems was given by David McMillan, of IEPA, and ecologist Max Hutchison discussed the unique qualities of Southern Illinois' Cache River-cypress tree areas and their relationship to the abundance of high quality ground water in the area.

Dr. Charles Kofron and Dave Clelland, SIU/Edwardsville, described their work on computerized rural water district mapping, and Marvin Teckenbrock,



Informal discussions are frequent at operator meetings.

USDA, talked on Water 2000 Plus. The program concluded with a discussion by Wayne Whitehead PE, Clarida Engineering Co., on the South Water District's distribution system and its history.

At the conclusion of the technical session, Tom Umfleet of Olney was elected chairman of the Southern Illinois Water Operators Association, with Curt Mezo of Murphysboro as vice chairman and David Boyd, Fairfield, secretary.

Horseshoe Lake provided the backdrop for a barbecue picnic prepared, for the ninth consecutive year, by Tim Jones of Anna. Tours of the district's new water treatment facility were offered during the afternoon.

Candidates Successfully Pass Potable Water Operator Exams

In drinking water operator certification tests results in earlier issues of Digester/Over the Spillway, the results for the tests given on Feb. 17, 2000, were inadvertently omitted. They are included below with the results from more recent tests. Our apologies to those applicants whose names were not listed promptly.

In the exams given Feb. 17, May 1, 15, 18, 23, June 5, and July 3, the following candidates successfully completed the examinations. Where known, their facility is identified. Since some operators may have tested for more advanced ratings, some names may appear more than once.

Class A

Adair, John W.	Illinois American Water/E. St. Louis
Bach, Steven G.	Ill.American/E. St. Louis
Biggerstaff, Dale E.	Hamilton County Water Dist.
Blythe, Mark G.	Aledo
Cleave, Dwayne A.	Tuscola
Fey, Henry C.	Staunton
Hagstrom, Joseph K.	Quincy
Hasara, Timothy L.	Oregon
Jamison, Edward T.	Lake Zurich
Johnson, Christian A.	Sugar Grove
Jones, Steven W.	Deerfield
LaFountain, Todd J.	Springfield CWLP
Logue, Michael J.	Waukegan
Mann, John H.	Astoria
Rix, William D.	-0-
Sandahl, Mark V.	Central Lake Co. JAWA
Schmidt, David W.	Barrington
Snider, Kenneth A.	Murdale Water Dist.
Stark, Alan E	Chicago
Taylor, Ernest	Waukegan
Trueblood, Robert P.	Freeport WTP
Wilson, Joseph W.	Rend Lake Con. Dist.

Class B

Bess, Andrew L.	Paris Water Works
Doggett, Jeremy R.	Lovington
Egler, Joseph M.	Barrington
Fehr, Benjamin J. III	Roanoke
Mullis, DeLaine J.	Cortland
Swingler, Dean D.	EJ Water Corp.
West, Jeffery K.	Batavia

Class C

Albers, Timothy G.	Ill. American Water/E. St. Louis
Albracht, Carl R.	Carlinville WTP
Allsop, Mark A.	Cowden
Arentsen, Gary J.	Germantown
Augustine, James R.	Livingston
Biggs, Scott M.	Trenton
Bloyd, Kurt A.	Bloomington TWP
Bolin, John F.	Aurora WTP
Camilleri, Giacomo	Frankfort
Catalano, George A.	Rosemont
Dunaway, Kyle W.	Cowden
Filer, Marlin L.	Vandalia
Fones, Danny L.	Carlinville WTP
Gibbs, Brian K.	St. Jacob
Gordon, Donald R.	Mackinaw
Hull, David K. Jr.	-0-
James, Jeff L.	Gardner
Jennings, James P.	Sandoval
Kelley, Sean P.	DesPlaines
Kelly, Sean P.	Justice-Willow Springs
Kindermann, Jeffrey L.	Itasca
Kress, Dennis W.	Collinsville WTP
Leonard, Holly A.	Charleston WTP
Malear, Craig A.	Ill. American Water/E. St. Louis
Marques, Jeffrey A.	Mazon
McCarthy, Michael P.	Curran Gardner PWD
McClusky, Eric D.	Saline Valley Conservancy
Michards, Frances M.	Consumers III. Water/Vermilion
Motiejaitis, Ronald A.	Collinsville WTP
Nowdomski, Alan E.	Diamond
Piesbergen, John H.	Ill. American Water/E. St. Louis
Raye, Martine E.	Park Ridge
Rein, Joseph P.	Glen Ellyn
Roycroft, John H.	Park Ridge
Schemenauer, Gregory S.	Lyons
Schiber, Brian L.	Sugar Grove
Schroeder, Adam L.	Germantown
Shetley, Paul W.	Fosterburg PWD
Simmons, Leslie L.	Ill. American Water/E. St. Louis
Smith, Paul E.	LCPW-Pekara Sub.
Stevens, Charles	Ill. American Water/E. St. Louis

Straub, Randy J.	Staunton WTP
Subers, Michael J.	Itasca
Therion, Brett A.	Trenton
Thompson, Gregori R.	Galva
Towell, Larry D.	Carlyle
Turner, P. Roy	Jacksonville
Wallace, Nicky D.	Effingham
Walsh, Thomas K.	Bement
Williams, John D.	Jersey Co RWD
Wirch, Steven R.	McHenry
Zurcher, Ray J.	E. Moline

Class D

Aguilar, Jerry M.	-0-
Bentley, Brian S.	Sandwich
Chancellor, Delbert O.	Northern Ill. Water/Champaign
Cunningham, Keith A.	Consumers III. Water/Vermilion
Davison, Danny P.	Consumers III. Water/KKK
Dean, Noel T.	Consumers III. Water/Vermilion
Edwards, Gregg A.	Fairfield
Elliott, Bill M.	Scottville Rural Water Co.
Emery, Richard L.	Marion
Emery, Richard L.	Marion
Etter, Gary L.	Virden
FitzJarrald, William E. Jr.	Bowen
Hoots, Raymond D. Jr.	Bill's Mobile Home Court
Keeling, Melisa S.	Consumers III. Water/Vermilion
Kindermann, Jeffrey L.	Itasca
Kinney, Cheryl L.	Fithian
Knepper, Keith R.	-0-
McClusky, Eric D.	Saline Valley Conservancy
McKinney, Jason R.	Wayne City
Michalczyk, Frank J. Jr.	Richmond
Michenfelder, Schuyler A.	Consumers III. Water
Pepper, Johnny D.	-0-
Price, Robert L.	Robinson-Palestine
Shipman, Anthony A.	Consumers Water Co.
Smiley, Michael R.	Consumers III. Water/Vermilion
Troutt, Alan D.	Mt. Vernon
Ward, Craig W.	Oakbrook Terrace
Watson, Randy L.	St. Elmo
Wesner, Jason A.	Robinson-Palestine

Wastewater Plant Operator Candidates Pass Exams

Applicants who passed the examinations for certification as wastewater treatment plant operators between January 1 and March 31, 2000, are listed here by category, as well as their places of employment where these are known. The -0- symbol indicates this information was not available.

Class 1

Davis, James B.	U.S. Penitentiary/Marion
Pruett, Jeffrey S.	EMC/Godfrey Township WWTF
Harmon, John L.	Carpentersville WWTP
Nauman, Dennis B.	Dixon Correctional Center

Class 2

Nauman, Dennis B.	Dixon Correctional Center
Thompson, John M.	Fox Lake NW Regional WWTP
Daggett, Michael E.	Hinsdale SD
Ferguson, Frank R.	Freeport WWTF
Kindermann, Jeffrey L.	Itasca WWTF

Class 3

Briley, Leonard J.	U.S. Penitentiary/Marion
Moore, Stephen A.	Braidwood WWTF
Sager, William B.	Danville SD
Hubbard, James R.	Carbondale Southeast WWTF
Torman, Roger D.	Earlville WWTF
Haick, Daniel H.	Fox Metro WRD
Klossing, Mark D.	Plano WWTF
Fiske, Phillip K. Jr.	-0-
Fischer, Kirk R.	Yorkville-Bristol SD
Farrand, Gary D.	Libertyville WWTF
Woodard, Shannon R.	Ste. Marie WWTF
Wagahoff, Daniel J.	Midwest Environmental
Steinacher, David J.	Carrollton WWTF

Class 4

Watkins, Dale A.	West City WWTF
Rentfro, Dale A.	Marion WWTF
Mansfield, Richard L.	Elkville WWTF
Hill, Jeffery D.	Carbondale Northwest WWTF
Mulvaney, Stephen M.	Rock Falls WWTF
Osborn, Shane M.	Morrison WWTF
Hoffer, Anthony L.	Apple River WWTF
Faber, Dawn M.	Rock Falls WWTF

Wise, Anthony J.	Gardner WWTF
Orr, Michael F.	Mokena WWTF
O'Hara, Kevin T.	MWRDGC
Meng, Brian K.	Downers Grove SD
Marques, Jeffrey A.	Mazon WWTF
Cowger, Harold J.	Beecher WWTF
Schultz, Don C. Jr.	-0-
Lalor, Joe V.	Woodstock WWTF
Blau, Robert A.	Cary WWTF
McAdams, Scott A.	Chester WWTF
Klockenkemper, Terry J.	Pere Marquette State Park

Albers, Richard T.	Certop, Inc.
Wilson, Terry L.	Manteno WWTF
Frerichs, Mark A.	Washburn WWTF
Taylor, Larry L.	-0-
Lindzy, Charles W.	-0-
Jones, Timothy J.	Ullin WWTF
Gulley, Glenn D.	Sesser WWTF
Palka, Rafal	-0-
Schuda, Edmund A.	Argonne National Lab
Hays, Brian K.	Camp Point WWTP

January, February, March 2000 Class K Pass

Anderson, James B.	Allied Signal
Barajas, John J.	Superior Coffee
Benson, Lawrence W.	Rhodia Inc.
Berndtson, Michael	McWhorter
Bochantin, Matthew C.	B-Line Systems
Bradshaw, Joe L. Jr.	Quebecor Printing
Buskirk, John L.	Hanna Steel
Clevenger, Thomas V. Jr.	Illinois Power
Compas, Roger A.	Central Products
Cooney, Edward J.	Nu-Way Industries
Donald, Benjamin	API Industries
Doran, Frances L.	General Electric
Dreger, Tim A.	Elco
Dubansky, Andreana	International Paper
Dubrock, Duane D. II	MidSouth Towing
Duckett, Mary L.	Hershey Chocolate
Ellam, Patrick M.	International Paper
Espinal, Andres	Selective Plating
Faley, Timothy P.	Avon Products
Frey, Daniel L.	Nicor Gas North
Garner, Willie Jr.	Louisiana Dock
Hammond, Jerry A.	Consolidated Grain & Barge
Hankins, Brett L.	Imperial Bondware
Herreid, John T.	Dana-McHenry
Hoageson, Donald C.	Culinary Food
Huddleston, Eric J.	General Electric
Hull, Christopher	Finish Master Plating
Irelan, Patrick D.	Rose Packing Co.
Kapor, Rajan	Superior Printed Circuits
Kuzhiyil, Jose	Superior Printed Circuits
Lambert, Michaelle	Jostens-Princeton
Larson, Scott T.	Weyerhaeuser
Laxman, Samanth K.	Poly Circuits
Mann, Don M.	Crosfield Catlysts
Mercado, Juan A.	Northfield Laboratories
Moler, Michael E.	Hershey Foods
Morrell, Mario A.	Nicor Gas North

Murgatroyd, David G.	Union Pacific
Nied, James	Superior Coffee
Oerkfitz, Timothy P.	Knaack Manufacturing Corporation
Patel, Mahendrabhai T.	Amitron Corporation
Patel, Minesh M.	Sunrise Electronics
Patton, James T.	Bartlett
Plucinski, Gregory	Northfield Laboratories
Ratliff, Keith R.	Unilever
Rogas, Robert A.	Interstate Brands
Scott, Emmanuel H.	C.J. Vitner
Sharin, Jeffrey M.	FIC America
Skoraczewski, Ryan D.	Northfield Laboratories
Smith, Christopher L.	Consolidated Grain & Barge
Smith, David	JLO Metal Products
Villarreal, Richard	Amber Plating
Vironda, Mercia M.	Phibrotech Inc.
Vironda, Ron	Argonne Lab
Ward, John F.	Interstate Brands
Wessner, Robert D.	Warner Lambert
Zook, Calvin J. II	Commonwealth Edison

January, February, March 2000 Class K-WR Pass

Boyd, David D.	Inactive
Fairchild, James R.	Allsteel
Graber, William A.	Sunoco

Southern Illinois Wastewater Operators/ Southern Illinois Water Operators

The Southern Illinois Wastewater Operators and the Southern Illinois Water Operators groups held a joint meeting at the Rend Lake North Marcum recreation area on Aug. 10, with an estimated 130 operators attending.

Hollie Scott of MIOX Co. spoke on chlorine generation at water operations, and Scott Twait of IEPA talked on new ammonia limits and how they may affect new NPDES permits. (see related article on page 4)

The Great Boars of Fire catered a dinner of barbecued ribs and chicken, and door prizes were awarded. Operators then toured a MIOX liquid chlorine generation plant and the Rend Lake Intercities water plant.



Operators listen to a speaker at a recreation area shelter.

The next meeting of the southern Illinois Wastewater Operators will be held in March 2001.

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