



CIPWO

Issue
33
•
Winter
2008

Q U A R T E R L Y N E W S L E T T E R

When: Wednesday, January 30, 2008

Where: Holiday Inn located in Urbana, IL
1001 Kilarney Street
Phone: (877) 531-5084

Directions: From I-74 take Lincoln Ave.
Exit located 3 miles east of I-57.



Winter Meeting

Inside this issue:

CIPWO 2006-2007 Financial Report	2
Cartoon Corner Submitted by Adam Kouzmanoff	2
Certification Questions	4
Letter from the CIPWO President Submitted by David Collard	5

Mission Statement:

Dedicated to the education and training of its members in order to ensure safe working conditions and protect the environmental quality of East Central Illinois. Region wide efficiency and effectiveness will be achieved through group interaction and support.

MEETING AGENDA

- 9:00 AM** Registration/Vendor Meet and Greet
Coffee, tea, and doughnuts will be available.
- 10:00 AM** Welcome, Announcements, Brief Business Meeting, and Induction of New CIPWO Officers
- 10:30 AM** CEU Update
Speaker: Bob Voss with IEPA
- 11:00 AM** General Maintenance
Speaker: Garrett Beers with Loctite
- 12:00 PM** Lunch and Exhibitors
Meal cost is \$20.00 payable at time of registration.
- 1:30 PM** General Maintenance (continued)
Speaker: Garrett Beers with Loctite
- 2:00 PM** Door Prizes and Introduction to CIPWO Vendors
- 2:30 PM** Meeting Adjourned

Water Operators: 1.5 CEU's have been approved by the IEPA for this 2008 CIPWO Winter Meeting

Please Note:

CIPWO meets semi-annually.

The Winter CIPWO Meeting is always scheduled to meet on the last Wednesday in January at the Urbana Holiday Inn. The location will **NOT** change unless members are notified **WELL IN ADVANCE** of the location change.

The Summer CIPWO Meeting is always scheduled to meet on the last Wednesday in July. The location for the summer meeting changes every year to include a site tour. We try to alternate between small and large facilities.

We are looking for a large facility to tour this summer. Please contact one of the CIPWO officers listed in this publication if you would like to host the summer meeting at your facility.

CIPWO Newsletter

A quarterly publication for members of Central Illinois Professional Wastewater Operators. Article reproduction is allowed with proper attribution.

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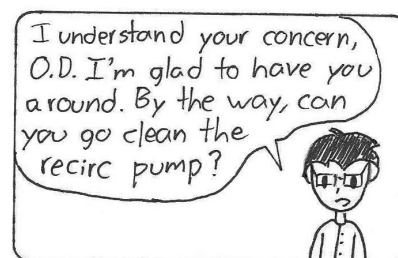
CIPWO General Fund Account January 2006-September 2007

01/01/06 Beginning Balance			\$1,168.51
Date	Amount	Transaction Description	Balance
01/04/06	\$500.00	Deposit	\$1,668.51
01/10/06	\$560.00	Deposit	\$2,228.51
01/17/06	\$475.00	Deposit	\$2,703.51
01/20/06	\$210.00	Deposit	\$2,913.51
01/24/06	-\$400.00	Cash-Door Prize and Change	\$2,513.51
01/27/06	\$710.00	Deposit	\$3,223.51
01/31/06	-\$1,507.33	Holiday Inn	\$1,716.18
02/07/06	\$75.00	Deposit	\$1,791.18
02/23/06	-\$800.00	Cash-Transfer to Savings	\$991.18
03/24/06	-\$400.00	Cash-Transfer to Savings	\$591.18
05/10/06	-\$489.80	Publisher/Printer	\$101.38
07/15/06	\$400.00	Transfer from Savings	\$501.38
07/15/06	-\$357.19	Publisher/Printer	\$144.19
07/31/06	\$100.00	Deposit	\$244.19
08/31/07	-\$200.00	Summer Meeting Supplies	\$44.19
12/11/06	\$700.00	Deposit	\$744.19
12/12/06	-\$300.00	Cash-Transfer to Savings	\$444.19
12/18/06	\$1,025.00	Deposit	\$1,469.19
12/21/06	-\$400.00	Cash-Transfer to Savings	\$1,069.19
12/23/06	\$200.00	Deposit	\$1,269.19
01/16/07	\$400.00	Deposit	\$1,669.19
01/29/07	-\$500.00	Cash-Door Prize and Change	\$1,169.19
01/30/07	\$200.00	Deposit	\$1,369.19
02/05/07	-\$444.27	Publisher/Printer	\$924.92
02/05/07	\$775.00	Deposit	\$1,699.92
02/20/07	-\$1,255.20	Holiday Inn	\$444.72
03/03/07	-\$200.00	Cash-Transfer to Savings	\$244.72
06/25/07	\$300.00	Transfer from Savings	\$544.72
06/29/07	-\$337.54	Publisher/Printer	\$207.18
07/15/07	-\$150.00	Summer Meeting Supplies	\$57.18
09/08/07	\$455.00	Transfer from Savings	\$512.18
09/08/07	-\$492.61	Publisher/Printer	\$19.57

Note: Balance does not reflect actual amount in CIPWO savings.

Cartoon Corner

Submitted by Adam Kouzmanoff



A. Kouzmanoff

Please remit the completed form and membership dues to :

Note: To ensure your lunch plate R.S.V.P. by January 23. If time does not permit mailing remittance form, please contact Mr. Miller via phone: 217-892-2762, fax: 217-893-4137, or e-mail: dlm285@aol.com Membership dues can be paid at the registration desk.

Dave Miller, CIPWO Treasurer
Village of Rantoul
1625 East Grove
Rantoul, IL 61866

Or FAX: 217-893-4137 "ATTN: Dave Miller/CIPWO 2008 Meal Count"

I, _____, plan to attend the CIPWO Winter Meeting at the Holiday Inn on Wednesday, January 30, 2007.

Also attending will be: _____

My (our) current mailing address(es) is (are):
(Use the form on the back page of this newsletter, if necessary) _____

Enclosed is my (our) \$5.00 annual dues. Total amount enclosed: \$ _____



Help Make Your Newsletter More
Fun and INFORMATIVE

Do you have any articles, suggestions, "Gizmos & Gadgets", or jokes?
If so, please send them to the newsletter editor via either regular mail or e-mail.



Change of Address Form

If you have a change of address, or if you prefer your newsletter be sent to a different address, please complete the following.

Send to: Attention: Kristin Platt, City of Charleston, Wastewater Treatment Plant, 520 Jackson Avenue, Charleston, IL 61920 or FAX: 217-345-8484 or e-mail your new information with the subject caption "New CIPWO mailing address" to "wwtplab@consolidated.net".

Old Address	New Address
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____



Certification Quiz

1. A two-stage trickling filtration system consists of
 - a. one filter with recirculation of filter effluent to filter influent for 100% of flow
 - b. one filter with recirculation of secondary clarifier effluent to trickling filter influent
 - c. two filters used in series, either directly or with a clarifier in between
 - d. two filters used in parallel
 - e. one filter used without primary clarification
2. Primary treatment units remove settleable solids from the wastewater stream through
 - a. biological treatment
 - b. chemical addition
 - c. biofiltration
 - d. gravity sedimentation
 - e. comminuting devices
3. Regardless of shape, 1 ac-ft of media in a trickling filter is equal to
 - a. 33,000 ft³
 - b. 43,560 ft³
 - c. 55,560 ft³
 - d. 77,840 ft³
 - e. none of the above
4. The primary purpose of a secondary digester is to
 - a. increase gas production
 - b. stabilize volatile solids
 - c. provide storage for detritus
 - d. allow for solids separation
 - e. none of the above
5. Process-unit efficiency can be determined if the operator knows
 - a. loading and flow
 - b. length of the unit
 - c. influent and effluent characteristics
 - d. pounds of solids removed
 - e. none of the above
6. Which of the following discharges would, in general, require the lowest chlorine dosage for adequate disinfection?
 - a. primary plant effluent
 - b. activated sludge plant effluent
 - c. trickling filter plant effluent
 - d. sand filter plant effluent
 - e. stabilization pond effluent
7. In the application of chlorine for disinfection, which of the following is not normally and operational consideration?
 - a. mixing
 - b. contact time
 - c. dissolved oxygen
 - d. pH
 - e. none of the above
8. Most circuit breakers are rated at what percentage of motor amperage?
 - a. 10%
 - b. 25%
 - c. 100%
 - d. 125%
 - e. none of the above
9. A properly operated anaerobic digester functions best at a pH range of 5.4 to 5.8. True or False
10. If you need a chlorine residual of 1 mg/L, how many pounds of chlorine must be applied each day if the flow is 2.5 mgd and the chlorine demand is 15 mg/L?
 - a. 291 lb/d
 - b. 312 lb/d
 - c. 334 lb/d
 - d. 419 lb/d
 - e. 516 lb/d



Source: *The Wastewater Operator Examinations Grades I and II Survival Guide* (California Water Environment Association, Oakland, CA)

Letter from the CIPWO President

Dear Members,

I am pleased to report that the Summer Meeting was a great success, due in no small part to our Host(s) John McBride and E.R.H Enterprises, Inc., and staff, thank you for your hospitality. Also credit goes to our ever-helpful contributing vendors for which we are always thankful. Finally, much applause and thanks goes to our guest speakers Ray Muhs of J.U.L.I.E. and Steve Whitlow of the Secretary of State Archives Department.

To those of you that were in attendance I hope you enjoyed it as much as I did, and for those that could not make it I'll run down for you what you missed.

The meeting was held at the Main Offices of E.R.H. in Westville, IL. We began a bit differently this time in that I called a brief business meeting to consider and get a vote of affirmation for the new Constitution and By-Laws from the general membership. After an explanation for, and description of the Constitution and By-Laws a approval vote was called for and passed unanimously. This concluded the business portion of the meeting and we proceeded with our Guest Speakers.



First to speak was Ray Muhs who gave a presentation concerning J.U.L.I.E. Laws and requirements. Though we were not able to supply an internet connection for Ray he never-the-less gave us a much better understanding of J.U.L.I.E., and even a taste of their new internet based ticket system which we should all investigate.

Next up was Steve Whitlow from the Secretary of State's Office to explain to us the do's and don'ts of records collection, retention, and reduction. You may or may not be aware that Steve and his co-workers are available to assist you in better managing your records. It is true that what counts most in our business is what goes over the outfall, but what remains behind as "proof" are the records!

I encourage you all to use the resources of these two gentlemen's employers to better operate your Facilities.



After a fine lunch of Brats, and Burgers with more than plenty of trimmings we concluded the day with a tour of the Westville-Belgium WWTP which is operated by E.R.H. Enterprises. The plant, though under construction for additional Excess Flow Treatment, was in impeccable shape and would make any operator proud to call his/her baby. Kudos and thanks to John, Stephanie, and the whole E.R.H team!

Finally, I wish to thank all of the officers and members who contributed to make the day go as smoothly as it did. I am proud to be among your ranks.

Sincerely,
David Collard
President, CIPWO



Certification Quiz Answers

1. c
2. d
3. b
4. d
5. c
6. d
7. c
8. c
9. False
10. c. Total dosage = residual + demand
= 15 mg/L + 1 mg/L
= 16 mg/L
lb/d of chlorine needed = mgd x dosage x 8.34 lb/gal
= 2.5 x 16 x 8.34
= 333.6, or 334

Central Illinois Professional Wastewater Operators



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Phone:: 217-345-2413

Fax: 217-345-8484

Email: wwtplab@consolidated.net

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These organizations provide support through contributions and door prizes at CIPWO's semi-annual meetings.
Please thank those you work with for their support.