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FYI - Small Systems

October 2015

FYI

Greetings from the InAWWA Small Systems Committee. Following is the latest installation of the Small Systems FYI Newsletter. Most of the articles cover regulatory information including changes in SRF requirements for funding and new phosphorous limits - Enjoy!

WHAT'S UP WHAT'S NEW - IDEM

By Liz Melvin, IDEM Drinking Water Branch

Same book, different page, there are personnel changes as usual. As you know, Pat Carroll retired at the end of May this year. Mary Hollingsworth returned to IDEM as the new Branch Chief starting September 21st. Many of you already know Mary and we welcome her as the new Branch Chief. Carrie Lowe has been promoted to Senior Environmental Manager in the Certification & Capacity Section as the Security & Counterterrorism Coordinator and will provide technical assistance on the Capacity Development side. She was formerly with the Field Inspection Section out of our Northern Regional Office in South Bend. That field inspector position is vacant and we are hoping to hear that it can be posted and filled soon. Bruno Pigott has been appointed Chief of Staff for IDEM replacing Carol Comer. Carol Comer has been named the Commissioner of IDEM. Martha Clark Mettler has accepted the position of Assistant Commissioner for the Office of Water Quality. Paul Higginbotham has accepted the position of Deputy Assistant Commissioner for the Office of Water Quality.

We are maintaining a full head of steam with the certification exam project. The distribution questions have been reviewed by IvyTech. The treatment questions should be ready for review by Ivy Tech by September 21, 2015. Staff from IvyTech will help ensure the validity, reliability, and fairness of the exam questions. We are still on target with our goal of having the new testing procedure ready by the end of this year. We will have the paper test available this year as usual in November. Beginning in 2016 we will offer the paper test once per year as required by rule. The test will be given annually in Indianapolis in November. Our wastewater counterparts have been offering their tests at IvyTech for several months now. The program seems to be working well for them. Please note, in 2016 we will no longer allow open books for tests.

The qualification process to take the exams at IvyTech locations will not be different than it is today. It will begin with an application submittal and fee payment to IDEM. Upon receipt of the IDEM approval letter, the applicant can immediately schedule a computer-based test at any of Ivy Tech's 26 Certification and Workforce Assessment testing centers across the state. There is a facility charge by IvyTech. Applicants will have to pay that to IvyTech directly. Examinees will be able to obtain unofficial test results onsite and receive official notification and credentials from IDEM shortly thereafter.

Reminding you again, the Revised Total Coliform Rule (RTCR) will go into effect April 1, 2016. The RTCR applies to all public water systems (PWS). While most community systems have site sampling plans on file with us, non-community systems will also be required by this rule to submit sampling plans. The RTCR has an additional requirement to identify sites for routine **and repeat** sample monitoring sites upstream and downstream before April 1, 2016. Systems are required to collect repeat samples

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OPERATOR CERTIFICATION: IDEM AND IVY TECH PARTNER

As you probably know Ivy Tech and the Indiana Department of Environmental Management (IDEM) have partnered to increase access to IDEM's wastewater operator exams. Traditionally given twice a year via paper and pencil in Indianapolis, Ivy Tech has computerized the exams and made them available to qualified candidates on-demand. The qualification process begins with an application to IDEM. Upon receipt of an approval letter, the applicant can schedule a test at one of Ivy Tech's 25 Certification and Workforce Assessment testing centers — most open six days per week and evenings. Individuals will obtain test results onsite and receive official notification and credentials from IDEM shortly thereafter. There is a nominal fee of \$30 to use the IVY Tech testing facilities in addition to the \$30 IDEM application fee. Those who don't pass the exam can reapply and sit for the exam after 30 days. This new process accelerates the total certification process significantly. The Application for Wastewater Treatment Plant Operator Certification Examination (State Form 47289) is available at www.idem.IN.gov/5088.htm Call Rebecca McMonigle with questions about wastewater certification at 317-232-8791.

NetDMR

At the end of August, 48% of Indiana's NPDES and IWP permit holders were utilizing NetDMR. NetDMR is a free web-based application to submit DMRs and also checks the DMR for missing data and violations, avoiding errors often encountered using the paper DMRs. DMR/MRO/MMRs, and other reports such as noncompliance reports, can be submitted using the electronic signature that is part of the NetDMR account, avoiding ever having to print, sign, or mail the reports. All Indiana NPDES and IWP permit holders need to be using NetDMR for DMR/MMR/MRO data submittal by November 2016.

Proposed Federal eReporting Rule

The Federal eReporting Rule is expected to be final in Spring 2017. Phase 1 of the new rule will require all NPDES holders to submit DMRs. It is recommended that NPDES permittees enroll in NetDMR now to avoid the rush. Phase 2 of the proposed Rule will require ALL reports to be submitted electronically within two years of the effective date. These include pretreatment annual reports, sludge reports, SSO/bypass/overflow reports, biomonitoring reports, NOIs and NOTs for general permits and any other report that you now submit on paper. IDEM, EPA and other states are currently in discussion about Phase 2 implementation requirements.

Revised IDEM MRO/MMR forms

Revised MROs and MMRs form should be used starting in January 2015. The forms can be found at <http://www.idem.IN.gov/5104.htm>. By using NetDMR to submit your NPDES DMR data each month, you no longer need to hand-sign the MRO/MMR forms. When using NetDMR, enter/key the appropriate names on both the signature blanks on the new MRO/MMR forms, save as a "pdf" document (name it correctly), attach it to the NetDMR form and submit it.

IDEM'S PHOSPHOROUS RULES—327 IAC 5-10-2(a)(2)

IDEM's Phosphorus Removal Rule (327 IAC 5-10-2(a)(2)) states that IDEM can determine that a phosphorus limit is needed to protect Indiana's water quality. In 2014, IDEM developed a plan to reduce nutrients into Indiana's waterways with a focus on point source discharges. Sanitary wastewater treatment plants with average design flows of 1 MGD (major facilities) constitute 90% of the total load of phosphorous discharged into Indiana's waterways. If a 1.0 mg/L limit is required in major sanitary dischargers, a projected **60%** reduction of total phosphorous from sanitary discharges in Indiana's waterways **could be realized**. Implementation of the new limit began January 1st, 2015.

The new phosphorous limit is placed on all major facilities upon renewal of NPDES Permit or with a major upgrade to the facility. With adequate justification, implementation of the new phosphorous limit at a facility can include a three year compliance schedules with the limit becoming effective at the end of the compliance schedule, or when the limit is met, whichever occurs first. The phosphorous limit is measured as a monthly average and monitoring frequency will be the same as conventional parameters (CBOD and TSS).

If you have questions about the phosphorous rule, contact Jason House at jahouse@idem.in.gov or 317-233-0470.

WINTERIZING TIPS FOR WATER UTILITIES

Before long the cold winter air will be hitting us in the face. The question is: Are you prepared for the bitter cold weather that will come and can cause you so many problems? The purpose of this article is to get you brainstorming on what areas you might have in your water system or community that could be potential problems or risk due to the cold weather.

As the weather turns colder and the leaves start turning their brilliant fall colors, and especially before the snow flies, you need to prepare your system.

Here are a few areas that should be checked in your community and water utility, we call it our winterizing checklist.

- ☐ Start working on your winterizing checklist before the cold weather sets in. Set a deadline for when this checklist should be completed.
- ☐ Be sure your employees have appropriate cold weather gear and equipment if they will be working out in cold weather conditions.
- ☐ Check for hydrants that do not drain properly. You may have notes on these from your flushing program; if not, it may take awhile to check all of your hydrants so start early. Once you have identified the problem hydrants, you need to pump them down at least 3' below ground level. You will want to check these problem hydrants a couple of days after pumping them down to see if water is leaking by the main seat and filling the barrel of the fire hydrant back up.
- ☐ Valves located, raised (if needed) and exercised (if possible) to ensure they work properly when needed.
- ☐ Examine and weatherproof booster stations. Check heaters, set thermostats, seal holes in building or pit walls, check that drains or sump pumps are working properly.
- ☐ Check any areas in which you may use heat tape. You will want to make sure that the heat tapes are working properly. If the heat tape is 3-4 years old you may want to strongly consider replacing that heat tape.
- ☐ Does your community have park restrooms or water fountains that need drained or winterized?
- ☐ Your water tower is one of your biggest assets and should be a concern during the winter months. You can vary the water level in your tank on a daily basis to keep from having major freezing problems. If your tank overflows on a regular basis, you need to correct the problem before the hard winter gets here. (A water tank can collapse with excess ice build-up.)
- ☐ Do you have an auxiliary heat source available in your well house in case power would go off for more than a couple hours?
- ☐ If you have any machinery that stays out in the weather or is in an unheated garage, be sure to check antifreeze strength, it should be down to at least -25 degrees F.
- ☐ Winterize mowers and equipment that will sit all winter. Gas stabilizer in October makes things so much easier in April.
- ☐ Check insulation and weather-stripping on all facilities in order to reduce the cost of heating those spaces.
- ☐ Inspect your facilities for small openings where mice and other small animals could find their way into the facility. In addition to the health concerns from their droppings, mice can cause a lot of damage.
- ☐ Check pits for leaks, insulators, and conduct an overall inspection.

SECURITY:

- ☐ Check your pump houses to make sure there is an adequate heater with a thermostat to Secure accessways with chains and/or locks.
- ☐ Clear fences and make sure they are properly maintained.
- ☐ Close and lock gates.
- ☐ Make provisions for proper snow removal if access is needed during the winter.
- ☐ Make sure any security or freeze alarms are all operational.
- ☐ Remind your seasonal customers of some winterizing tips for their home when they call in for their seasonal disconnect. (Draining of water line, *if they don't have hot water heat of course*, turn back thermostat on furnace and hot water heater.)
- ☐ Find out an approximate return time of your seasonal customer to be verified with a phone call. Just in case of a problem you should see if they will give you a phone number so they can be contacted in case of an emergency.

HYDRANTS:

- ☐ Flush, grease, and check to be sure they are draining properly.
- ☐ Locks should be lubed, siliconed, or protected from moisture in order to operate easily in freezing weather.

WELLS and PUMPING EQUIPMENT:

- ☐ Check your pump houses to make sure there is an adequate heater with a thermostat to maintain enough heat in the building so the discharging piping and any sensing lines in the building will not freeze.
- ☐ If there is a vertical turbine pump in the pump house, there will be a small amount of water trickling out of the stuffing box, which is normal. You must make sure the water has proper drainage away from the pump house.
- ☐ On a submersible pump, you want to maintain proper heat in the building so when the pump is off, it will not freeze.

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IDEM
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Scale: 0 10 20 40 Miles

Non Orthophotography Data
 - Obtained from the State of Indiana Geographical Information Office (GIO) Library
Map Projection: UTM Zone 16 N
Map Datum: NAD83

Jeff Ewick, Compliance Branch E7 (317) 233-0676
 Office of Water Quality - Compliance Section

WINTERIZING TIPS FOR WATER UTILITIES *(continued)*

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- ☐ For wells and pumps on pitless adapters, you must ensure the wells are covered properly and protected against snow, hail, and ice getting in them, yet allowing them to be vented to atmosphere.
- ☐ If there is a pit for booster pumps or check valves, ensure the top is sealed as with the pitless adapters.
- ☐ Mud pumps used for dewatering leaks should be serviced and ready.
- ☐ To avoid accidents with snowmobiles and snow plows, make sure that if you have test wells or wells with pitless adapters, they are very visibly marked so they may be located easily in deep or drifting snow.
- ☐ When spring arrives, do not forget to shut off your heaters to prevent overheating and save fuel.

STORAGE TANKS:

- ☐ The leading causes of tank freeze ups in Indiana are a lack of circulation and operator awareness.
- ☐ Ice formation occurs when water sits in a tank long enough to have heat transfer through the tank wall lower the temperature to freezing. Smaller tanks are more susceptible to freezing as their surface area to volume ratio is lower. A 100,000 gallon elevated tank has approximately 30 gallons of water stored for every square foot of surface area, while a 1,000,000 gallon elevated tank has approximately 68 gallons per square foot. The more steel surface area there is per gallon, the faster heat will transfer. The same relationship applies to pipes. A 4-inch diameter pipe has 0.62 gal/sq.ft., while a 24-inch diameter has 3.75 gal/sq.ft. That is why a small pipe without circulation will freeze solid much faster than a large one. There is much less water to freeze and the heat transfer rate is much higher.
- ☐ Groundwater systems have a major advantage as the incoming water is around 46-48 degrees F and adds heat to the tank every time it is filled. As a rule of thumb, if the volume of a tank can be turned over at least every two days during the winter, freezing should not be a concern for a groundwater system. Surface water supplies have a more difficult time as for several months they are pumping water that is 33-34 degrees F and will freeze quickly if circulation is not adequate.
- ☐ Make sure any water towers or ground storage tanks have their sensing lines properly insulated or heat taped to prevent false readings and to allow the water to be turned, keeping it fresh.
- ☐ Adjust pump cycles as needed to ensure that water circulates frequently each day. Demands in the winter are lower, so the pump operating levels may need adjustment.
- ☐ Consider changing filling operations to lower demand times. This ensures most of the new warmer water enters the tank first instead of being used directly to meet system demands.
- ☐ Consider reducing overall tank volumes. As long as the fire flow minimum storage volume is maintained, the tank volume can usually be reduced without a noticeable effect on system pressures.
- ☐ Insulate fill pipes and use heat tape where practical. Without adequate circulation, the fill pipe will freeze before the tank due to its high heat transfer rate.
- ☐ Install temperature alarms on the fill pipe and riser. These can be tied into your control or SCADA system to warn of impending freezing.
- ☐ Use warmer water sources where possible. If you have dual sources, try to use ground water instead of surface water during the winter.
- ☐ If altitude values are used on multiple tank systems, they should be serviced routinely to ensure proper operation.
- ☐ For worst cases, consider installing a recirculation system. These are commonly found on industrial tanks that are only used for fire protection. A new municipal tank built for future service demands could also temporarily have this problem, as can school water supply systems. Recirculation systems are effective, but require close monitoring to ensure they work properly.
- ☐ Most importantly, be sure that your control system provides a continuous reading of tank levels. The old fashioned circular chart recorders work fine, as do the more modern computerized telemetry. Paying close attention to this data will help to identify circulation concerns.

BACKFLOW:

- ☐ The best way to prevent freezing on an irrigation system is to have the assembly removed for the winter months then re-install and test the assembly in the Spring when it is warmer. Another option is to turn off the shut-off valve and drain the assembly by opening the test cocks.
- ☐ Whether your assembly stays in use for the winter, be sure the backflow cover fits securely to the ground to prevent air infiltration. Check the cover for any cracks, holes, splits, etc.
- ☐ Cover the assembly with insulation inside the enclosure.
- ☐ If electricity is available, install a damp rated heat tape around the assembly and piping inside the cover.

EMERGENCY PREPARATION:

- ☐ Take out your emergency management plan and review.
- ☐ Update emergency contact phone numbers.
- ☐ Place emergency management plan with emergency contact phone numbers in a prominent location in your office. Label it so that if you are not there, others who may be called on to fill in for you will be able to find it and use it.

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Indiana Department of Environmental Management

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(NRO)=Northern Regional Office (SWRO)=Southwest Regional Office (SRO)=South Regional Office			All phone numbers are area code 317 unless otherwise indicated. To email employees at IDEM, take their user ID (located between their name & phone number) followed by @idem.in.gov		

WHAT'S UP WHAT'S NEW (continued)

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after a positive sample result: generally one repeat sample from the original tap, one repeat sample from within five service connections upstream and one repeat sample from within five service connections downstream. All of these locations must be identified on your site sampling plan. The RTCR specifically allows dedicated sampling stations as sites for collecting coliform samples. So if it is feasible for your system, you may want to consider dedicated sampling stations to reduce your risk of bad samples due to poor locations.

We, Indiana, are in the process of seeking primacy for the RTCR. We have developed rules that are in the review process but they may not be final adopted by the effective date of the rule. This may prompt us to seek emergency rule adoption. This would consist of the federal rules being adopted by reference for now and amended once our rules have been final adopted. Since Indiana does not allow rules more stringent than the Federal requirements, the rules will not have state specific references but will follow EPA requirements. You can find more information on the EPA web site at the following addresses:

<http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/upload/epa815b13001.pdf>

http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/regulation_revisions.cfm#revisedfinal

There has been an increase of, or perhaps just more reporting of, *Legionella* in the United States. From a report published August 14, 2014, by Centers for Disease Control and Prevention, which you can access through the CDC Morbidity and Mortality Weekly report website:

http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6431a2.htm?s_cid=mm6431a2_w

Legionella was responsible for 66% of the water associated outbreaks for 2011-2012. For 2011-2012, 32 water-associated outbreaks were reported, accounting for at least 431 cases of illness, 102 hospitalizations, and 14 deaths. *Legionella* was responsible for 66% of outbreaks and 26% of illnesses. Viruses and non-*Legionella* bacteria together accounted for 16% of outbreaks and 53% of illnesses. The two most commonly identified deficiencies leading to drinking water-associated outbreaks were *Legionella* in building plumbing systems (66%) and untreated groundwater (13%). CDC recommends continued vigilance by public health, regulatory and industry professionals to identify and correct deficiencies associated with building plumbing systems and groundwater systems could prevent most reported outbreaks and illnesses associated with drinking water systems.

You, as system operators, already do a good job of maintaining your systems. We, as the regulatory agency, already have a surveillance program in effect aimed at identifying and ensuring correction of deficiencies at public water systems. What is new here is that health care facilities are taking a harder look at their plumbing systems and in many cases adding treatment to combat *Legionella*. If you don't already have conversations going with your health care facilities you should begin. Let them know what your disinfection residual is and be aware of the possibility of the addition of treatment in these facilities. Make sure you have a cross connection control program in place and that you are able to enforce.

EPA is sponsoring a number of small system webinars. They are offered on a monthly basis. Information about these is posted on the IRWA and InAWWA webpages. You can also access the webinars at the following website. They are free and you may individually request contact hours. You can contact Judy Sullivan, jasulliv@idem.in.gov of my staff for information on how to go about this if you are interested.

<http://www2.epa.gov/water-research/2015-small-systems-webinar-series>

We have new/revised permit application and NOI forms. The NOI form now has 2 questions relating to cross connection and both forms include instructions for electronic payment and submission. We will begin requiring all new submitted construction applications to be on the new form beginning November 1, 2015. We are spreading the word trying to get to everyone. Please help us get the word out to systems and contractors.

We have created a state backflow test form per the requirements of 327 IAC 8-10. The intent is to set the minimum requirements for the information to be reported on the test form. Systems and testers do not have to use the form, but whichever form they use must contain at least the information on the state form.

We recently held a meeting with the representatives from the plumbing industry to clarify overlap between IDEM and plumbing code rules. The "results" will be included in an upcoming revision of the IDEM Cross Connection Control manual. We hope to have it out at the beginning of 2016. You may direct questions to Kristine Taylor, ktaylor1@idem.in.gov, 317-234-7421, with our Permits Section.

Feel free to contact me at lmelvin@idem.in.gov or at 317-234-7418 with questions or concerns. Please don't hesitate to call. We will do our best to help you.

WATER RESOURCES REFORM AND DEVELOPMENT ACT (WRRDA)

On June 10, 2014, President Obama signed into law the Water Resources Reform and Development Act of 2014 (WRRDA). WRRDA only impacts the Clean Water SRF and not the Drinking Water SRF.

Fiscal Sustainability Planning

Loan recipients shall develop and implement a fiscal sustainability plan (FSP) that includes certain minimum requirements. This requirement applies to all loans for which a borrower has submitted an application on or after October 1, 2014. Loan recipients will be required to certify that an FSP has been developed and is being implemented.

Additional Subsidization

The objective of providing additional subsidization is to assist those applicants who are having difficulty financing a project without this additional assistance. Additional subsidization may be provided to eligible recipients who meet the state's Affordability Criteria, those who seek the additional subsidization to benefit individual ratepayers in a lower residential user rate class, or whose project addresses water or energy efficiency goals, mitigates stormwater runoff, or encourages sustainable project planning, design and construction.

Affordability Criteria: The SRF will consider median household income, user rates, unemployment data, population trend and other factors when providing additional subsidization.

American Iron & Steel

There is no change to the requirement of American Iron & Steel (AIS). If you have any questions on AIS, please contact Amy Henninger, Compliance Officer, at 317-232-6566 or at ahenning@ifa.in.gov.

Davis Bacon Act

The prevailing wage (Davis-Bacon) provision permanently applies to any projects for treatment works that are funded by a CWSRF. If you have any questions on Davis Bacon, please contact Amy Henninger, Compliance Officer, at 317-232-6566 or at ahenning@ifa.in.gov.

Cost & Effectiveness Analysis

For applications submitted to the CWSRF Program on or after October 1, 2015, loan recipients must certify that they have conducted a cost and effectiveness analysis on the proposed project.

Architectural & Engineering Services

Architectural and engineering services (A/E) for projects that are identified as equivalency projects must comply with the elements of the procurement processes for A/E services. Please contact Shelley Love, Administrator of the CWSRF Program, at 317-232-4396 for additional information.

2015 DRINKING WATER NEEDS SURVEY

The 2015 Drinking Water Needs Survey is underway! This nationwide survey, conducted every four years, is a comprehensive assessment of the capital needs to deliver safe drinking water and protect public health. The results of the survey directly impact the Indiana Drinking Water SRF's allotment. The results are compared nationally so involvement is essential!

The Survey information was sent out mid-June 2015. The 74 community water systems selected to participate will be asked to provide documentation regarding needs and costs. Copies of Capital Improvement Plans, Master Plans, Preliminary Engineering Reports, Engineer's Estimates, and Bid Tabulations will assist in identifying capital needs.

To be a success, input from all 74 communities is vital. The SRF will be reaching out to selected communities in the near future and survey forms will follow. For questions regarding the 2015 Survey, please contact Camille Meiners at cmeiners@ifa.in.gov.

IDEM INSPECTOR COUNTY ASSIGNMENTS

COUNTY	COUNTY NAME	INSPECTOR	COUNTY	COUNTY NAME	INSPECTOR
1	ADAMS	ROB MCLAUGHLIN	47	LAWRENCE	SUSIE HUTSLER
2	ALLEN	ROB MCLAUGHLIN	48	MADISON	ALAN MELVIN
3	BARTHOLOMEW	SUSIE HUTSLER	49	MARION	TRAVIS GOODWIN
4	BENTON	GLEN LECHLITNER	50	MARSHALL	ADRIANNE VOGLER
5	BLACKFORD	CAROLYN CHAPPELL	51	MARTIN	KARLA GOODMAN
6	BOONE	ALAN MELVIN	52	MIAMI	ROB MCLAUGHLIN
7	BROWN	SUSIE HUTSLER	53	MONROE	SUSIE HUTSLER
8	CARROLL	ALAN MELVIN	54	MONTGOMERY	GLEN LECHLITNER
9	CASS	ROB MCLAUGHLIN	55	MORGAN	TRAVIS GOODWIN
10	CLARK	KARLA GOODMAN	56	NEWTON	GLEN LECHLITNER
11	CLAY	TRAVIS GOODWIN	57	NOBLE	ADRIANNE VOGLER
12	CLINTON	ALAN MELVIN	58	OHIO	SUSIE HUTSLER
13	CRAWFORD	KARLA GOODMAN	59	ORANGE	SUSIE HUTSLER
14	DAVIESS	KARLA GOODMAN	60	OWEN	TRAVIS GOODWIN
15	DEARBORN	SUSIE HUTSLER	61	PARKE	TRAVIS GOODWIN
16	DECATUR	SUSIE HUTSLER	62	PERRY	KARLA GOODMAN
17	DEKALB	LUCIO TERNIEDEN	63	PIKE	KARLA GOODMAN
18	DELAWARE	CAROLYN CHAPPELL	64	PORTER	PAUL MAHONEY
19	DUBOIS	KARLA GOODMAN	65	POSEY	KARLA GOODMAN
20	ELKHART	CARRIE LOWE	66	PULASKI	ROB MCLAUGHLIN
21	FAYETTE	CAROLYN CHAPPELL	67	PUTNAM	TRAVIS GOODWIN
22	FLOYD	KARLA GOODMAN	68	RANDOLPH	CAROLYN CHAPPELL
23	FOUNTAIN	GLEN LECHLITNER	69	RIPLEY	SUSIE HUTSLER
24	FRANKLIN	SUSIE HUTSLER	70	RUSH	CAROLYN CHAPPELL
25	FULTON	ROB MCLAUGHLIN	71	ST. JOSEPH	ADRIANNE VOGLER
26	GIBSON	KARLA GOODMAN	72	SCOTT	SUSIE HUTSLER
27	GRANT	ALAN MELVIN	73	SHELBY	CAROLYN CHAPPELL
28	GREENE	TRAVIS GOODWIN	74	SPENCER	KARLA GOODMAN
29	HAMILTON	ALAN MELVIN	75	STARKE	ADRIANNE VOGLER
30	HANCOCK	CAROLYN CHAPPELL	76	STEBEN	LUCIO TERNIEDEN
31	HARRISON	KARLA GOODMAN	77	SULLIVAN	TRAVIS GOODWIN
32	HENDRICKS	TRAVIS GOODWIN	78	SWITZERLAND	SUSIE HUTSLER
33	HENRY	CAROLYN CHAPPELL	79	TIPPECANOE	GLEN LECHLITNER
34	HOWARD	ALAN MELVIN	80	TIPTON	ALAN MELVIN
35	HUNTINGTON	ROB MCLAUGHLIN	81	UNION	CAROLYN CHAPPELL
36	JACKSON	SUSIE HUTSLER	82	VANDEBURGH	KARLA GOODMAN
37	JASPER	GLEN LECHLITNER	83	VERMILLION	GLEN LECHLITNER
38	JAY	CAROLYN CHAPPELL	84	VIGO	TRAVIS GOODWIN
39	JEFFERSON	SUSIE HUTSLER	85	WABASH	ROB MCLAUGHLIN
40	JENNINGS	SUSIE HUTSLER	86	WARREN	GLEN LECHLITNER
41	JOHNSON	TRAVIS GOODWIN	87	WARRICK	KARLA GOODMAN
42	KNOX	KARLA GOODMAN	88	WASHINGTON	SUSIE HUTSLER
43	KOSCIUSKO	LUCIO TERNIEDEN	89	WAYNE	CAROLYN CHAPPELL
44	LAGRANGE	CARRIE LOWE	90	WELLS	ROB MCLAUGHLIN
45	LAKE	PAUL MAHONEY	91	WHITE	ALAN MELVIN
46	LAPORTE	PAUL MAHONEY	92	WHITLEY	ROB MCLAUGHLIN

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IT'S A TOILET, NOT A TRASH CAN! ©

By Tamara Roberts, Pretreatment Coordinator, City of Bloomington Utilities

Lift stations, manholes, and screens at WWTPs can reveal all kinds of surprises. Collection system and WWTP staff often tell of strange items found in these locations, such as crow bars, tires, toys, beer cans and more. It seems that each operator has a unique story of a strange object found in the sewer system. However items such as “flushable” wipes, paper towels, grease/cooking oil, diapers, feminine hygiene products, and other trash are found more commonly and may cause or contribute to blockages and backups in the sewer system and in homes.

The City of Bloomington Utilities (CBU) realized it needed to address trash discharged to its sewer system after receiving reports from staff that “flushable” wipes were the leading cause of lift station pump damage. As it turns out, regardless of the claims on their packages, items such as “flushable” wipes are not safe to flush. They do not dissolve in the sewer system and are causing and contributing to blockages and backups and increasing maintenance costs in sewer systems across the country.

CBU recently implemented an educational campaign in an effort to reduce blockages and maintenance costs associated with trash being discharged to its sewer system. The campaign was highlighted by an educational brochure titled, *It's a Toilet, Not a Trash Can!*® The brochure informs recipients that items other than toilet paper are trash and should not be flushed or poured into drains. In addition, it illustrates the consequences of putting these items into the sewer system and emphasizes proper disposal methods for trash commonly found in sewer systems, such as “flushable” wipes, pharmaceuticals and over-the-counter medications, food packages, household hazardous waste, kitty litter, condoms, dental floss, household hazardous waste, and more. The brochures were mailed to all customers, made available at the Monroe County Solid Waste Management District, and were provided to several student housing facilities for distribution.

The slogan, *It's a Toilet, Not a Trash Can!*® was used with permission from the Water Environment Federation (WEF), and the brochure was developed in coordination with Goldstreet Designs.

A NOTE FROM MARY HOLLINGSWORTH—NEW IDEM DRINKING WATER BRANCH CHIEF

As Liz mentioned in her IDEM update, I've accepted the position of Drinking Water Branch Chief (replacing Pat Carroll who retired earlier this year). Although I can never fill Pat Carroll's shoes, I will try and follow in his footsteps.

It has always been my goal since 1993 to become Branch Chief of the IDEM's Drinking Water Branch. When Pat retired I saw an opportunity to positively impact the drinking water industry in Indiana on a higher level and applied for that position and was privileged enough to be hired. I want to take this opportunity to inform all the water industry that I am available to you and will continue to support and to work together as a team to make sure the water is safe for all the consumers of water for this great state.

WELLHEAD PROTECTION PLANNING

Protecting Indiana's ground water, and our sources of drinking water from becoming contaminated, is the primary objective of Indiana's Wellhead Protection Program which is overseen by the Indiana Department of Environmental Management (IDEM). Protecting ground water begins with the awareness of the benefits of protecting resources and the consequences of poor resource management practices. Your tool protecting water resource is through the implementation of your Wellhead Protection Plan.

As a refresher, all community water systems that utilize ground water as a source of drinking water are required by IDEM to develop a Wellhead Protection Plan (Phase I). Phase I describes the steps and activities a community will implement to preserve ground water quality and prevent contamination from reaching their sources of drinking water. After the development of a Wellhead Protection Plan (Phase I) the planning in place transitions into actions and implementation of the Wellhead Protection Plan. This is also referred to as Phase II. Think of Phase II as daily activities you perform that provide stewardship of the drinking water resources served to your community/customers. As you perform these activities note them for future reference and inclusion in your Plan. Integrating daily elements of planning and source water protection activities found within your Wellhead Protection Plan is vital to a meaningful effort.

IDEM recommends that you meet regularly with your local planning team to keep your wellfield delineations, potential contaminant source inventories, public education plans, emergency response plans, and other management strategies up to date. Keeping copies of changes, meeting minutes, and other documentation will make your Phase II reporting to IDEM much easier as a viable ground water protection effort. As a reporting requirement to IDEM, your Community's Wellhead Protection Plan, Phase II could come due anytime between now and 2016. Your specific Phase II due date depends upon the approval date of your Phase I Plan. For more information, contact Jim Sullivan with IDEM's Ground Water Section at jsullivan@idem.IN.gov, also refer to IDEM's Wellhead Protection web page: <http://in.gov/idem/cleanwater/2456.htm>.

WINTERIZING TIPS FOR WATER UTILITIES *(continued)*

(Continued from page 5)

- ☐ Get permission from your board, town manager, or mayor to identify and cross-train two or three individuals so that they can operate the system safely during an emergency. Then get them cross-trained. TIP: Look for suitable retirees in your community to fill this need if you do not have access to other personnel within your organization.
- ☐ Write down your critical operating procedures and maybe even put labels on some of the equipment and controls. Have the people who you are cross-training help you write the procedures and identify what needs to be labeled.
- ☐ Make a list of your current chemical suppliers, including phone numbers, and a list of the specific chemicals you purchase on a regular basis.
- ☐ Assemble a set of spare keys and put them in a location where the folks you cross-trained can gain access to them.
- ☐ Check and test generators and hook-ups – or – check where to rent generators locally if you do not have one. Be sure all hook-ups are compatible.

TRUCKS, BACKHOES, OTHER EQUIPMENT:

- ☐ Change fluids as needed for colder weather.
- ☐ Check tires for wear.
- ☐ Utilize tire chains as appropriate.

WORKER NEEDS:

- ☐ Warm boots and/or waders
- ☐ Warm waterproof gloves
- ☐ Heaters in needed areas
- ☐ Small generators
- ☐ Emergency lighting, including good flashlights and fresh batteries

EMERGENCY STOCK ITEMS:

- ☐ Repair Clamps
- ☐ MJ Sleeves
- ☐ Compression Fittings
- ☐ Roll Plastic
- ☐ Lids and Rings
- ☐ Saddles (3/4" and 1")
- ☐ Valve Boxes (tops and bottoms)
- ☐ Back-Up Generators (pull behinds, portables, etc.)
- ☐ Drinking water safe hose and fittings for interconnecting houses, if needed, due to frozen pipes.
- ☐ Pipe thawing equipment – own, rent, or borrow
- ☐ Meter Pit Insulators
- ☐ Extra Fuel – rotate to keep fresh
- ☐ Tires and tire chains

Have a safe, enjoyable winter! Remember, Indiana has quick and unexpected weather changes, so start your cold weather preparedness now!

INDIANA SECTION AWWA—ANNUAL CONFERENCE HAS NEW DATES

The Indiana Section AWWA's Annual Conference will be moving dates in 2016. Please mark your calendars for January 25-28, 2016. The conference will again be held at the Marriott Hotel—Downtown Indianapolis. Registration is available online (www.inawwa.org) and mailers will be sent out soon. Hotel reservations can be made at <https://resweb.passkey.com/go/AWWA2016>. Rooms are \$135/night and parking is additional and on your own.

Contact hours will be available for water and wastewater. We anticipate a maximum of 13.5 technical water hours.

A Small Systems Operator Forum will be held during the InAWWA Annual Conference January 25-28, 2016 at the Marriott Hotel—Downtown Indianapolis. Please send us any questions you would like addressed during this year's forum.

Plan now to attend this exciting event.

**Small Systems Committee
INDIANA SECTION AWWA**

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**EPA Drinking
Water Hotline:**
www.epa.gov/OGWDW



MARK YOUR CALENDARS!!

To add dates to this section,
contact any Small Systems
Committee Member.

November 11 – 13, 2015 – Midwest Damage Prevention Training Conference – French Lick, Indiana. Contact: www.midwest811conference.com. Questions?? call Chuck Muller, Indiana 811 – 877-230-0495 or cmuller@indiana811.org

November 18 – 20, 2015 – Indiana Water Environment Association — Annual Conference — Westin Downtown; Indianapolis, Indiana. Contact: www.indianawea.org

December 7, 2015 – Indiana Rural Water Association – Well Drillers / Pump Installers Workshop (as part of IRWA's 2015 Water Institute) -- Columbus, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Peters at 866-895-4792 (toll free); or visit the IRWA website at www.indianaruralwater.org

January 25 - 28, 2016 – Indiana Section American Water Works Association – Annual Conference – Indianapolis, Indiana. Contact: Dawn Keyler at 866-213-2796 (toll free); or visit the InAWWA website at www.inawwa.org

March 8 - 10, 2016 – Indiana LTAP – Annual Purdue Road School; Purdue University; West Lafayette, Indiana. Contact: <https://engineering.purdue.edu/JTRP/road-school>

March 16 - 17, 2016 – Alliance of Indiana Rural Water – Spring Conference – French Lick Resort; French Lick, Indiana. Contact: Laura Vidal at 888-937-4992 or visit the Alliance website at www.inh2o.org

April 1, 2016 – Revised Total Coliform Rule Implementation – Public water systems and primacy agencies must comply with the revised requirements by this date -- http://water.epa.gov/lawsregs/rulesregs/sdwa/tcr/regulation_revisions.cfm

April 18, 2016 – Indiana Rural Water Association – Annual Golf Outing (to benefit the Gambold Education Fund and other IRWA educational initiatives) – Otter Creek Golf Course; Columbus, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Peters at 866-895-4792 (toll free); or visit the IRWA website at www.indianaruralwater.org

April 18-20, 2016 – Indiana Rural Water Association – 2016 Spring Conference – Clarion Hotel & Conference Center; Columbus, Indiana. Contact: Odetta Cadwell at 317-402-7349; MaryJane Peters at 866-895-4792 (toll free); or visit the IRWA website at www.indianaruralwater.org