



Indiana Department of Environmental Management
Indiana Water Environment Association – Government Affairs Committee
Meeting Minutes
Conference Call
November 10, 2020
1:30 PM – 3:00 PM

Agenda:

1. Introductions
 - a. Paul Higginbotham (IDEM), Martha Clark-Mettler (IDEM), Camille Meiners (IFA), Craig Williams (Angola), Tim Healy (Greely-Hansen), Andrea Alexander (South Bend), Sarah Mitchell (Elkhart), Brandi Wallace (Fort Wayne), Tracy Williams (Donohue), Jeff Guinn (Citizens), Brandon Koltz (Koltz Consulting), Fred Andes (BT Law), and Brady Dryer (CEI).

2. IFA-SRF Update
 - a. Fiscal Year July 1, 2020 to June 30, 2021
 - b. Wastewater SRF
 - i. Large Systems - \$140M
 - ii. Small Systems - \$135M
 - c. Drinking Water SRF - \$55M
 - d. 2021 PER Deadlines
 - i. Early deadline for additional points – April 1, 2021
 - ii. Regular deadline – May 1, 2021
 - e. American Iron and Steel (AIS) Update
 - i. Audits have been conducted for 13 borrowers.
 - ii. IFA, EPA, EPA Contractor, Borrower, and Consulting Engineer participate
 - iii. Valves most common deficiency and waivers may be required
 - f. COVID-19 Wastewater Testing for Utilities with Colleges
 - i. IFA to cover eligible costs
 - ii. >1,000 enrollment
 - iii. IFA Partnership with 120 Water (outreach materials attached; however, schedule has not been updated)
 - iv. Summary Report anticipated in December 2020
 - v. Testing Monitors RNA with intent to predict outbreaks/enhance local public health decision making.
 - vi. Ideal sampling locations - WWTP influent and university sewershed
 - g. IFA Regional Meetings
 - i. Schedule found here: <https://www.in.gov/ifa/regional-planning-meetings/>



- ii. Attendance tracked and required for SRF Financing
 - iii. IWEA hosting virtual meeting on November 13, 2020
 - iv. IN AWWA hosting meeting in French Lick on December 9, 2020
3. IDEM Staffing Updates
- a. Agency currently on hiring freeze.
4. IDEM COVID-19 Operational Update
- a. Drinking Water Inspections remained full time
 - b. Wastewater Inspections back to full field operations
 - c. Wetlands (401 WQC) Inspections back to full field operations
 - d. Office staff working from home – required to report every 2 weeks
 - e. IDEM visits – must be appointment only and wear mask
 - f. Enforcement Discretion will be applied on a case by case basis for noncompliance due to COVID-19.
5. Total Nitrogen Monitoring Notification for Major (≥ 1.0 MGD) Municipal Dischargers
- a. Approximately 35 Major Municipal Permits now monitoring since Jan. 2019
6. Federal NPDES Rule Update
- a. Requires use of updated Municipal NPDES Renewal Forms
 - b. See link for proposed NPDES Renewal Forms:
<https://www.epa.gov/npdes/npdes-application-forms>
 - c. IDEM requested feedback on forms found at link above.
 - d. IDEM continued use of old forms noted as program deficiency in recent EPA Permit Quality Review
7. Senate Enrolled Act 4 – Asset Management Program Implementation
- a. Applies to new and expanded WTPs and WWTPs
 - b. Both Drinking Water and Wastewater Guidance Final (attached)
 - c. Requires certification that permittee has the following:
 - i. Life Cycle Cost analysis
 - ii. Capital Asset Management Plan
 - iii. Cybersecurity Plan
 - d. No certifications received by agency as of November 10, 2020
8. Water Quality Criteria for Metals Status



- a. Environmental Rules Board (ERB) consideration of preliminary adoption on November 18, 2020: <https://www.in.gov/idem/legal/2355.htm>
 - b. No Aluminum included.
 - c. Minor re-organization of Water Quality Standard tables and comparison (current vs. proposed) available here: <https://www.in.gov/idem/cleanwater/2329.htm>
9. EPA POTW Secondary Treatment Questionnaire Status
- a. < 10% participation rate
 - b. Recent reminder sent by EPA
 - c. Additional info found here: <https://www.epa.gov/eg/potw-nutrient-survey>
10. EPA Region 5 State Per and Polyfluoroalkyl Substances (PFAs) Drinking Water and Water Quality Standards
- a. Only Drinking Water Systems Monitoring in IN
 - b. Focus on surface water systems with samples collected at raw water intake and distribution systems
 - c. Sample bottles to be shipped January 2021 and sent to Department of Health for analysis.
 - d. Surface water monitoring on hold to follow states/EPA
11. EPA Peak Flow Management Proposed Rulemaking
- a. Pending with no recent actions taken.
 - b. Additional information found at the following EPA website: <https://www.epa.gov/npdes/peak-flows-sewage-treatment-plants>
12. 2012 RWQC Update <https://www.in.gov/idem/legal/2438.htm>
- a. Citizens Petition public hearing conducted October 28, 2020 at 1:30 PM: <https://www.in.gov/idem/legal/2438.htm>
 - b. ERB to make decision on November 18, 2020: <https://www.in.gov/idem/legal/2355.htm>
 - c. IWEA GAC reminded that the request is for the ERB to require that a Work Group be assembled to evaluate with a deadline to report findings/recommendations back to ERB
 - d. Virginia RWQC as related to CSO compliance was discussed: <https://law.lis.virginia.gov/admincode/title9/agency25/chapter260/section170/>
13. CSO Compliance – National Trends, Integrated Planning, etc.
- a. No formal integrated plans in house, but acknowledgement that some plans have applicable elements.
 - b. TMDLs discussed in context of CSO compliance



- c. Revised Draft EPA Financial Capability Guidance also discussed:
<https://www.epa.gov/waterfinancecenter/proposed-2020-financial-capability-assessment-clean-water-act-obligations>

- 14. 303 (d) and TMDL Update & NPDES Implications
 - a. No formal update provided
 - b. 303 (d) list presented at July 8, 2020 ERB Zoom Meeting
 - c. Currently Under review by EPA

- 15. Compliance/Enforcement Updates
 - a. See attached Early Warning and Sewer Ban Lists

- 16. Operator Certification Rule Work Group Update
 - a. Ongoing

- 17. Construction/MS4 General Permit and Program Update
 - a. General Permit Public Notice expected in 2021 and expected to go beyond 30-day minimum requirement

- 18. 2020 IDEM/Legislative Updates
 - a. No formal update provided in advance of legislative session.
 - b. IDEM fees are currently under evaluation.



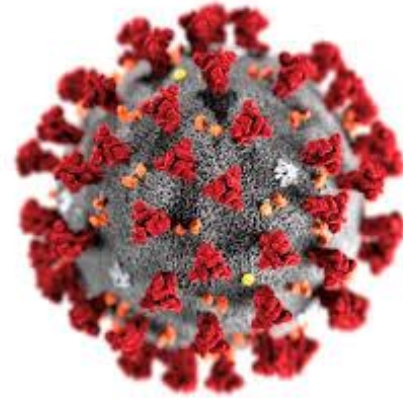
120Water

**Indiana's SARS-CoV-2 Wastewater
Surveillance Program**

SARS-CoV-2 Wastewater Surveillance Program

Why Should You Participate?

Current research suggests wastewater analysis of SARS-CoV-2 RNA may help communities discover COVID-19 outbreaks earlier and cases in the US are on the rise



How the Program Works

- 1. 120Water will host a short training webinar to prepare you to collect and return the samples**
- 2. 120Water will work with you to select sample site locations sample collection schedule**
- 3. 120Water will ship your sample kits and provide return shipping to route samples to the lab**
- 4. 5 -7 Days after collection you will receive your results with summary of findings from a public health researcher**

Program Design

Plan

Enroll
Participants

35 WWTPS
serving public &
private universities
with > 1,000
students

Train
operators

Sample collection
and deliverables

Design
sample plans

Work with operators
to select 2 sample
locations,
standardize plans,
collect important
system data, and
schedule collections



Monitor

Send sample
kits to
operators

See next slide on sample collection

Operators
collect at
WWTP &
subsites



Analyze

Lab results in
120W
platform

EDD results
shipped to
platform & shared
with operators and
state partners

Health
Researcher
reviews

Analyze/interpret
results & make
recommendations
weekly



SCV2 Program Sample Collection

WWTP Sample Site



24 hour
composite
sample
from raw
influent



Sub-sample Site



Grab sample
from nearest
University
WW effluent
point

- Operators will collect samples 3 times per week at two different locations
 - Raw WWTP primary influent: 24 hr composite samples
 - University effluent: grab samples
- Sub sample sites could provide valuable information about viral loads & community risk within university wastewater
- WWTP influent results can then be compared to university effluent results

This methodology may help cities pinpoint potential outbreaks in high risk areas

SCV2 Program Potential Partners & Advisors

Program Advisor & Interlab Comparative Analysis



Dr. Kyle Bibby, PHD PE
University of Notre Dame, College
of Engineering

Currently running a WW surveillance initiative with several WWTPs in Indiana. Oversees comparative lab analysis, delivers findings & provides recommendations on program design

Technical Advisor, WWTP



Jase Hixon, IU PHD Candidate
Bynum Fanyo Utilities, WWTP
Operator

WQ researcher and certified operator. Will collaborate on program design and execution, co-facilitates training of WWTP operators

Public Health Researcher



Dr. Alex Perkins
University of Notre Dame, Infectious
Disease Epidemiology & Population
Biology

Analyzes & interprets WW sample results and provides recommendations to stakeholders

Timeline

- 7/28 Enrollment Begins
- 8/10 Training Begins
- 8/17 Weekly Sampling Begins
- 10/30 Sampling Ends
- 11/20 Program Report Delivered

Have questions or want to enroll?

Contact Erica Walker

120Water

erica@120wateraudit.com

312-405-8484

Sewer I

Facility Name	County	Permit #
Arcadia	Hamilton	IN0021334
Atlanta	Hamilton	IN0022306
Aqua Source	Midwest	IN0042391
Bedford	Lawrence	IN0025623
Bicknell	Knox	IN0039276
Birdseye	Dubois	IN0039748
Bloomington S (Dillma	Monroe	IN0035718
Brownings Rec	Ripley	IN0052523
Carriage House	Wabash	IN0051861
Clear Creek CD	Putnam	IN0045527
Community Utilities	Lake	IN0037176
Country Court Estates	Allen	IN0045292
Creekside MHP	Shelby	IN0038431
Dana	Vermillion	IN0063843
Dunkirk	Blackford	IN0021491
Eastway Ct Apts	Hancock	IN0051691
Elizabethtown	Bartholomew	IN0039349
Farmland	Randolph	IN0021512
Fort Branch	Gibson	IN0022896
Francesville	Pulaski	IN0040037
Golden Pebble	Henry	IN0041181
Goodland	Newton	IN0040070
Harrison Lake	Bartholomew	IN0051683
Holland	Dubois	IN0023108
Indian Hills MHP	Union	IN0038911
Jasonville	Greene	IN0021008
Kingsford Heights	Jackson	IN0023337
Knightstown	Henry	IN0040177
Lake Eliza	Porter	IN0051446
Lyons	Greene	IN0023639
Michigantown	Clinton	IN0040355
Mooreland	Henry	IN0040398

Montgomery	Daviess	IN0034932
Morgantown	Morgan	IN0036820
Mulberry	Clinton	IN0031976
New Market	Montgomery	IN0021041
New Ross	Montgomery	IN0059790
Oakwood MHP	Daviess	IN0038415
Owensville	Gibson	IN0038288
Parker City	Randolph	IN0020729
Petersburg	Pike	IN0024325
Pittsboro	Hendricks	IN0020401
Prosser MHP	Wabash	IN0062405
Reynolds	White	IN0030589
Salem	Washington	IN0021644
St. Paul	Decatur	IN0020842
Sellersburg	Clark	IN0020419
Shoals	Martin	IN0040631
Silver Memories	Ripley	IN0055832
Summitville	Madison	IN0024562
Swayzee	Grant	IN0037001
Sweetser	Grant	IN0064165
Switz City	Greene	IN0042650
Tennyson	Warrick	IN0041670
Thorntown	Boone	IN0024589
Waynetown	Montgomery	IN0020524
Western Wayne RSD	Wayne	IN0054402
Westport	Decatur	IN0024830
Windfall	Tipton	IN0040762
Winslow	Pike	IN0040789

Ban Early Warning List (09/28/2020)

Date Letter(s) sent
04/20/20 SBEWR, 02/09/18 SBEWR, 04/04/17 SBEWR, 07/22/15 SBEWR, 03/03/06
04/22/20 SBEWR, 10/16/17, 10/11/16, 07/09/15 SBEW reminders, 02/21/06 SBEW
07/01/19 SBEW
Sewer Ban consideration letter 10/31/17
04/14/05 SB consideration letter, 06/15/98 SBEW, 04/04/89 SBEW
04/24/20 SBEWR, 11/29/18 Reminder, 11/27/17 reminder, 12/15/16 reminder, 10/14/1
10/20/16 SBEW reminder, 04/13/99 SBEW
04/15/20 SBEWR, 01/19/16 SBEW
12/28/15 SBEW
04/03/20 SBEW
02/14/20 SBEWR, 07/26/18 SBEW
01/23/17 SBEW
04/08/20 SBEWR, 08/03/18 SBEW, 07/31/18 SBEW, 07/26/17 SBEW, 08/17/15 SBE
04/13/20 SBEWR, 09/11/18 SBEW, 04/05/17 SBEW
02/03/20 SBEWR, 05/22/17 SBEW
04/16/20 SBEWR, 10/09/18 SBEW Reminder, 10/16/17, 09/13/16 SBEW reminders, 1
04/06/20 SBEW
04/16/20, SBEWR, 01/04/18 SBEWR, 12/03/15 SBEWR, 08/02/13 SBEWR, 03/03/06
02/26/17 SBEW, 08/02/13 SBEWR, 1996 SBEW
12/08/16 SBEW reminder, 04/14/04 SBEW
SBEW 04/07/20
11/29/18 reminder, 01/04/18 reminder, 12/15/16 SBEW reminder, 12/03/15 SBEW
04/16/20 SBEWR, 10/31/16 SBEW reminder, 09/28/15 SBEW
04/24/20 SBEWR, 8/24/18 SBEW Reminder, 06/30/17 SBEW reminder, 10/14/15 SBE
01/05/17 SBEW, 1998 SBEW
08/15/19 SBEWR, 02/05/2018 SBEWR, 01/05/17 SBEW
03/21/2018 SBEW
04/16/20 SBEWR, 04/23/19 SBEWR, 09/27/16 SBEWR, 11/12/15 SBEWR, 08/13/13
01/04/18, 12/07/16 SBEW reminder, 10/26/15 SBEW
04/24/20 SBEWR, 10/30/18 SBEW Reminder, 10/16/17, 09/06/16 SBEW reminders, 0
09/27/16, SBEW reminder, 06/02/15 SBEW
10/28/19 SBEWR, 04/19/18 SBEWR, 09/12/17 SBEW Reminder, 08/24/16 SBEW

02/19/20 SBEWR, 08/07/17 SBEWR, 12/15/16 SBEW Reminder, 12/03/15 SBEW
04/24/20 SBEWR, 07/19/17 SBEWR, 08/24/16 SBEWR, 08/14/15 SBEW
03/06/20 SBEWR, 09/13/16 SBEW reminder, 08/13/15 SBEW
04/24/20 SBEWR, 12/17/18 reminder, 12/15/16 SBEWR, 09/18/15 SBEW, 8/11/14 SBEW
07/26/18 SBEW
12/03/15 SBEW
12/16/19 SBEWR, 07/08/16 SBEW, 12/16/19 SBEWR
05/22/17 SBEW, possible termination 2019
08/24/17 SBEW Reminder, 07/08/16 SBEW
05/13/20 SBEWR, 05/13/19 SBEW
12/28/15 SBEW
11/27/17 SBEW reminder 12/16/16 SBEW reminder, 08/12/15 SBEW
04/02/20 SBEW
02/13/20 SBEWR, 08/17/17 SBEW Reminder, 05/12/16 SBEW
03/05/19 SBEW
09/28/20 SBEW
04/08/20 SBEWR, SBEWR, 05/31/2019 SBEW
2001 SBEW
08/21/19 SBEWR, 07/02/18 SBEWR, 10/14/15 SBEW
04/28/20 SBEWR, 06/14/16 SBEW
02/28/20 SBEWR, 02/05/2017 SBEWR, 01/23/17 SBEW
04/24/20 SBEWR, 07/11/16 SBEW
10/02/17 SBEW Reminder, 07/08/16 SBEW
04/16/20 SBEWR, 09/27/16 SBEW reminder, 08/02/13 SBEW
SBEW 04/08/20
07/21/17 SBEW, 01/19/16 SBEWR, 08/02/13 SBEWR, 8/3/1993 SBEW
04/09/18 SBEWR, 07/23/15 SBEW
04/14/20 SBEWR, 12/17/15 SBEWR, 08/02/13 SBEWR, 1995 SBEW

Hydraulic overload
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Hydraulic overload and SSOs
Hydraulic overload
Hydraulic overload

Facilities Currently on SEWER BAN

UPDATED 08/14/2019

<u>FACILITY NAME</u>	<u>NPDES #</u>	<u>COUNTY</u>	<u>DATE OF BAN</u>	<u>COMMENTS</u>	<u>%SAN</u>	<u>DESIGN</u>
Colfax	IN0020443	Clinton	08/29/17	Been on Sewer ban early warning since 1990. 2013 119% 2014 107% 2015 134% 2016 114%	100	0.11
Farmersburg	IN0021148	Sullivan	7/6/93	Flow data for '09, '10, and '11: 61, 61, 50% Overflows: 4, 1, 4	100	0.30
Flora	IN0020141	Carroll	10/31/74	8/07 AO for SSOs. Flow data for '09, '10, '11, '12: 115, 107, 124, 121% Overflows: 21, 21, 44, 6 SB reminder letter sent 7-13.	100	0.428
Frankton 0.286	IN0020028	Madison	03/25/19	2018 97% 2017 107% 2016 102% 72 days of SSOs 2016-2018 SBEW 13, 15, 16, 18		100
Kingman	IN0039390	Fountain	09/20/16	2015 232% 2014 163% 2013 106%	100	0.070
Monon	IN0021580	WHITE	12/07/15	2013 SBEW imposed 8-2-2013 Design flow 0.221 mgd. 2010 116% 2011 122% 2012 86% 2013 140% 2014 170% 2015 12/07/15 sewer ban	100	0.221

Facilities Currently on SEWER BAN

UPDATED 08/14/2019

<u>FACILITY NAME</u>	<u>NPDES #</u>	<u>COUNTY</u>	<u>DATE OF BAN</u>	<u>COMMENTS</u>	<u>%SAN</u>	<u>DESIGN</u>
New Albany	IN0023884	Floyd	9/12/91	Agreed Order Flow data for '09, '10, '11: 72, 84, 87% Overflows: 90, 14, 53	99	12.0
Scottsburg	IN0020397	Scott	07/23/2019	2016-100%, 2017-92%, 2018-111% Unreported overflows SBEW since 08/13/13	100	1.35
Shirley	IN0024503	Hancock	02/10/16	2012-141%, 2013-172%, 2014-183%	100	0.170
Upland (North LS only)	IN0036978	Grant	05/23/00	Excessive bypassing (48 days in 1999) Flow data for '09, '10, '11: 40, 44, 45% Overflows: 8, 6, 10	90	0.950