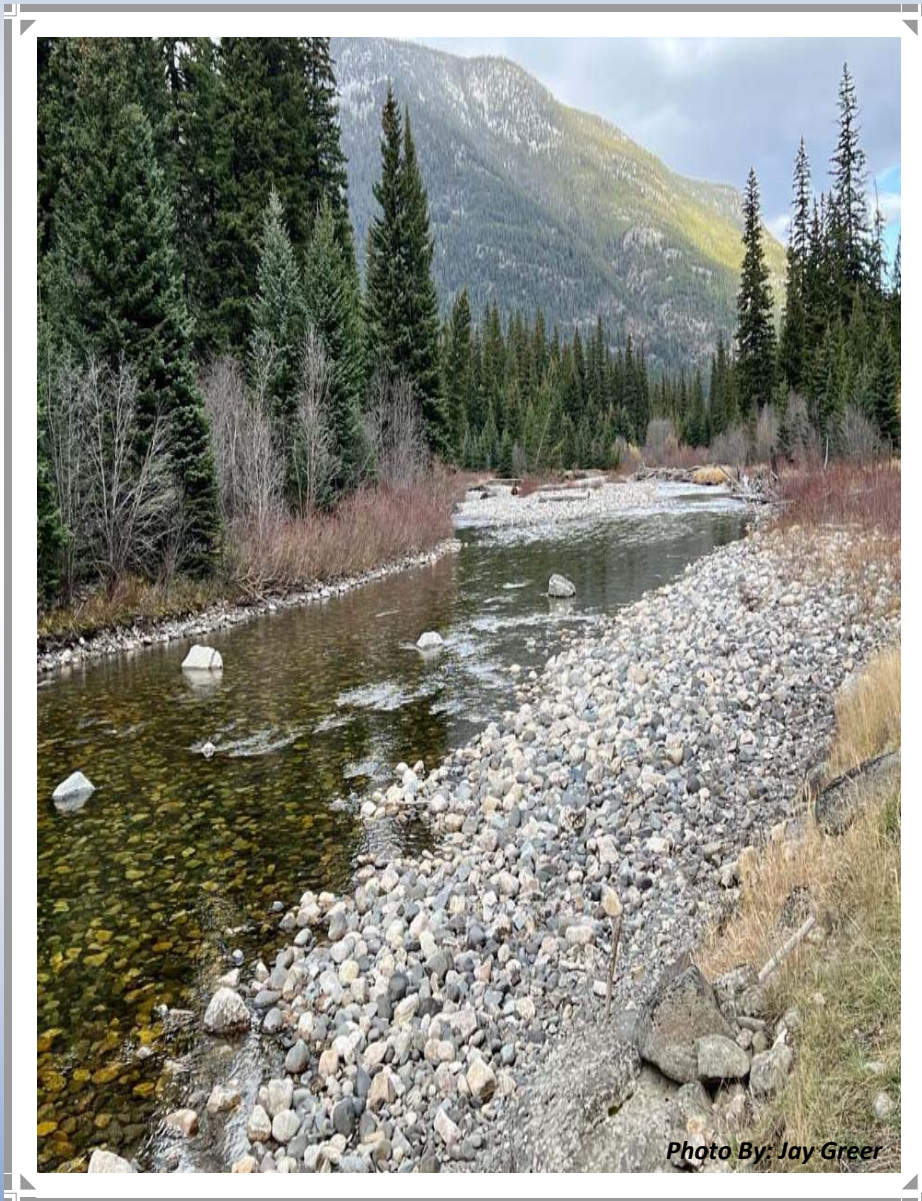




**WASTEWATER INDUSTRIAL TECHNICAL TRAINING
EDUCATION CONFERENCE**
Greenwood, Indiana April 2-3, 2025
The Year of the Operator - 30 Years



Water Quality Protectors



IIOA Journal

A NEWSLETTER PUBLISHED FOR PROFESSIONALS IN INDUSTRIAL WASTEWATER TREATMENT

www.iioa.net

WITtec 2025 Celebrating 30 Years of Water Quality Protectors

We hope you enjoy the activities over the two day WITtec conference as it explores Environmental and Wastewater Treatment Topics of Concern and we hope you find sessions of interest to you. Wednesday 4/3/2025 IIOA offers the ever popular **Industrial Hot Topics** session led by Jim Collins, from 8 am to 5 pm featuring, pollution prevention methods to directly reduce impact on wastewater treatment. The Indiana Municipal and Industrial Pretreatment Committee will present the **Certified Pretreatment Coordinators (CPC) Course**. IIOA will present the **Registered Industrial Wastewater Professional Master Course** and the **Industrial Environmental Managers Masters Course**.

WITtec will conclude on Thursday afternoon with concurrent presentations in the Industrial and Municipal sessions. The **Keynote Address will start at 10:20 am in the combined session** right after the morning break. Indiana Wastewater Operators can earn up to 17 hours at WITtec 2025. We would like to thank our exhibitors, speakers, volunteers and all attendees for making WITtec the place where **Water Quality Protectors Meet**. *And thank you for choosing WITtec for your choice of wastewater education opportunities.*



RUSSELL EILER
IIOA PRESIDENT

Welcome Attendees

The Indiana Municipal & Industrial Pretreatment Committee would like to welcome you to WITtec 2025. Through collaboration and knowledge sharing, WITtec provides a forum for connecting Municipal and Industrial Wastewater professionals with information. As you enjoy this year's conference, take the time to collaborate with your fellow professionals and ask questions. You may believe your issues and challenges are uniquely yours, but more than likely, someone attending this conference is facing similar challenges. That is why we encourage you to learn and grow through collaboration and see things in a new way rather than how it's always been done.

The IIOA and Pretreatment Committee is pleased to announce they will be offering the **Certified Pretreatment Coordinators (CPC) Course** at WITtec on Wednesday followed by concurrent sessions on Thursday.

The courses will continue to be offered online. However, we are pleased once again to offer the CPC in a face-to-face instructor-led program at WITtec.



MARK CURTIS,
MUNICIPAL INDUSTRIAL
PRETREATMENT
COMMITTEE LIAISON AND
IIOA BOARD MEMBER

Keynote Presentation



The Changing, Challenging Role of the Industrial Wastewater Treatment Manager—The Year of the Operator

The Keynote presentation will be held on April 3 at 10:00 am in the Combined Concurrent Session in Westview. The Keynote Speaker: Bradley Crowe, Sr., New Heights Services.

Mr. Crowe is a 30-year IIOA Charter Member, past president, and current director and Treasurer of the IIOA. He holds a Class D Indiana wastewater treatment license, has a degree in Chemistry, holds extensive industrial experience in managing wastewater systems and management, and is an instructor for colleges and universities. Bradley brings a wealth of information about the many hats an operator wears during an environmental career. He exemplifies the IIOA mission and will help us celebrate our 30-Year Anniversary, “The Year of the Operator.”



IDEM Update and Changes to Certification

Bob Lugar (Left)
Assistant Commissioner,
Office of Program Support

IDEM Update: Commissioner Lugar will provide an update on IDEM. He holds a Bachelor of Science, Political Science, Ball State University, and holds both a IDEM Class 2 Municipal Wastewater Operator and IDEM Class B Industrial Wastewater Operator. Mr. Lugar has 22 years of operational and managerial experience in water, industrial wastewater, and municipal wastewater fields. He additionally, spent 4 years supervising utility infrastructure and wastewater plant construction.

Jason House, IDEM Branch Chief
Compliance and Enforcement Branch Office of Water Quality

Mr. House will discuss the new operator certification rule found at 327 IAC 5-23 (replacing previous rule at 327 IAC 5-22), will provide an overview of the Compliance and Enforcement Branch in the Office of Water Quality, discuss updates to the National Significant Non-compliance (SNC) Reduction Initiative, and tips on being prepared for IDEM inspections. Mr. House holds a Bachelor of Science in Environmental Science from Indiana University. Mr. House has worked in NPDES regulatory programs since 2002 in the States of Missouri and Indiana.

AGENDA	Breaks and Lunch Included	
WEDNESDAY	APRIL 2, 2025	VALLE VISTA GOLF & CONFERENCE CENTER
7:00 AM—3:40 PM	EXHIBIT HALL	OPEN
8:00 AM—5:00 PM	HOT TOPICS	WESTVIEW
8:00 AM—5:00 PM	CPC	CLUBVIEW
8:00 AM—5:00 PM	IEM Master	NORTHVIEW
8:00 AM—5:00 PM	RIWP Master	TBA
5:05 PM—5:15 PM	IIOA MEETING	WESTVIEW
THURSDAY	APRIL 3, 2025	VALLE VISTA GOLF & CONFERENCE CENTER
7:00 AM—3:40 PM	EXHIBIT HALL	OPEN
8:00 AM—5:00 PM	INDUSTRIAL	WESTVIEW
8:00 AM—5:00 PM	PRETREATMENT	NORTHVIEW
CONTACT HOURS	APRIL 2	APRIL 3
17 MAXIMUM	8-9 TECHNICAL *	8—9 TECH *
*Hours Requested		

During the combined session Robert Lugar will update the attendees on IDEM accomplishments as they relate to the environment. He will also update attendees on the new memorial statue honoring his late father, Senator Richard G. Lugar, a great American and Former United States Senator serving as the Indiana Senator from 1977 to 2013.




WEDNESDAY APRIL 2, 2025	
7:00 AM	EXHIBIT HALL OPEN
8 TECH	CPC COURSE Pretreatment Instructors
8:00 AM	LEGAL AUTHORITY
9:00 AM	PROGRAM ADMINISTRATION
9:50 AM	EXHIBIT HALL BREAK
10:20 AM	SIGNIFICANT NON COMPLIANCE
11:10 AM	WASTEWATER SAMPLING
NOON	LUNCH INCLUDED
1:00 PM	INDUSTRIAL USER PERMITS AND APPLICABILITY
1:50 PM	WASTE STREAM CALCULATIONS
2:40 PM	EXHIBIT HALL BREAK
3:10 PM	FATS, OILS AND GREASE (FOG)
4:00 PM –4:50 PM	CPC CERTIFICATION EXAM

WEDNESDAY APRIL 2, 2025	
7:00 AM	EXHIBIT HALL OPEN
8 TECH	HOT TOPICS Jim Collins, Chris Flannery, John Dailey, Dave Taylor, et al
8:00 AM	DUAL BAG FILTERS
9:00 AM	ANAEROBIC DIGESTERS
9:50 AM	EXHIBIT HALL BREAK
10:20 AM	SCREW PRESS
11:10 AM	OIL REMOVAL OPTIONS
NOON	LUNCH INCLUDED
1:00 PM	ADVANCED BIO-AUGMENTATION
1:50 PM	PLATE AND FRAME FILTERS
2:40 PM	EXHIBIT HALL BREAK
3:10 PM	IMHOFF CONES AND SETTLING
4:00 -4:50 PM	TBA



WEDNESDAY APRIL 2, 2025	
7:00 AM	EXHIBIT HALL OPEN Instructors: Anthony Kunkler, Shane Wingler, Ken Kaufman
8 Tech	IEM Masters Course
8:00 AM	INTRODUCTION TO IEM AND ISO 14001
9:00 AM	CLEAN WATER ACT PERMITS
9:50 AM	EXHIBIT HALL BREAK
10:20 AM	CLEAN AIR IMPACTS ON WASTEWATER TREATMENT
11:10 AM	CLEAN WATER ACT
NOON	LUNCH INCLUDED
1:00 PM	DMR-QA
1:50 PM	INSPECTIONS
2:40 PM	EXHIBIT HALL BREAK
3:10 PM	SAMPLING PROGRAM
4:00 -5:00 PM	IEM MASTERS CERTIFICATION EXAM

WEDNESDAY APRIL 2, 2025	
7:00 AM	EXHIBIT HALL OPEN Instructors: Russ Eiler, Justin Maxwell, Brad Crowe
8 Tech	RIWP Masters Course
8:00 AM	INTRODUCTION TO METAL WASTESTREAMS
9:00 AM	DISSOLVED AIR FLOTATION (DAF)
9:50 AM	EXHIBIT HALL BREAK
10:20 AM	NetDMR
11:10 AM	INSTRUMENT CALIBRATION
NOON	LUNCH INCLUDED
1:00 PM	PRETREATMENT INSPECTION
1:50 PM	ADVANCED POLISHING
2:40 PM	EXHIBIT HALL BREAK
3:10—5:00 PM	RIWP MASTERS CERTIFICATION EXAM

THURSDAY APRIL 3, 2025			 THURSDAY APRIL 3, 2025			MUNICIPAL INDUSTRIAL PRETREATMENT SESSIONS
7:00 AM	EXHIBIT HALL OPEN	VALLE VISTA GOLF & CONFERENCE CENTER	7:00 AM	EXHIBIT HALL OPEN	NORTHVIEW	
8 TECH	INDUSTRIAL SESSION CONCURRENT SESSION	WESTVIEW <i>Moderator: Russ Eiler</i>	TECH	PRETREATMENT PROGRAM	<i>Moderator: Mark Curtis</i>	
8:00 AM	OUT IN THE FIELD NOT FROM THE BOOKS 2025	JIM COLLINS, BRENNTAG	8:00 AM	PRETREATMENT DILEMMAS COMMITTEE MEETING	PRETREATMENT COMMITTEE	
9:00 AM	WASTEWATER CASE STUDY AND AWARDS		9:00 AM			
9:50 AM	EXHIBIT HALL BREAK		9:50 AM	EXHIBIT HALL BREAK		
10:20 AM	KEYNOTE ADDRESS THE CHANGING CHALLENGING ROLE OF THE WASTEWATER TREATMENT MANAGER	BRADLEY CROWE, SR. NEW HEIGHTS SERVICES	10:20 AM	KEYNOTE ADDRESS THE CHANGING CHALLENGING ROLE OF THE WASTEWATER TREATMENT MANAGER	PROCEED TO WESTVIEW FOR COMBINED SESSION	
11:10 AM	IDEM UPDATE AND NEW CERTIFICATION RULES	ROBERT LUGAR AND JASON HOUSE, BRANCH CHIEF, OWQ	11:10 AM	IDEM UPDATE AND NEW CERTIFICATION RULES		
NOON	LUNCH INCLUDED		NOON	LUNCH INCLUDED		
1:00 PM	INDUSTRIAL OPERATOR CHALLENGE	MARTIN, EILER, WHEATLEY & TURNER	1:00 PM	TOXIC ORGANIC MANAGE- MENT PLANS		
1:50 PM	TBA		1:50 PM	SLUG PLANS		
2:40 PM	EXHIBIT HALL BREAK		2:40 PM	EXHIBIT HALL BREAK		
3:10 PM	TBA		3:10 PM	TENTATIVELY IDENTIFIED COMPOUNDS (TICS)		
4:00 PM – 4:50 PM	TBA		4:00 PM	SESSION ENDS <i>Attend Westview or com- plete the Scavenger Hunt for 1 extra Technical Hour.</i>		

WITtec INDUSTRIAL COMMITTEE

*Russell Eiler, Allegion, IIOA President
*Jaima Ballentine,
MidWest Environmental Services
*William Boetcker III, Aqua Indiana
*Jim Collins, Brenntag
Susie Collins, IIOA
*Brad Crowe Sr., New Heights Services,
IIOA Treasurer
* Mark Curtis, City of Mishawaka, IWEA-MIPC
Board Member Liaison
Jeff Graham, IT Manager
*Al Goodman, Chairman IIOA
Pam Graham, WITtec Manager
*Ken Kaufman, Micronutrients
*Anthony Kunkler, Wabash National
*Martha Martin, IIOA Business Manager
*Tom Martin, Delta C&E
*Justin Maxwell, Delta C&E
*Justin Niles, MacLellan Integrated Services
*John Sanders, IIOA
*Stephen Spurgeon
*Daniel Stevens, Allegion
*Dave Taylor, A. T. Environmental
IIOA-IWEA Liaison Board Member
Melanie Taylor, WITtec Co-Manager
Jane Wheatley, Harwell Graphics
*Shane Wingle, IIOA VP, Supreme Corp.

MUNICIPAL INDUSTRIAL

PRETREATMENT COMMITTEE

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Jeff Guinn, Citizens Energy IWEA Co-Chair
Erin Johnson, Connersville Utilities
Jodi Orem, Jeffersonville
*Mark Curtis, City of Mishawaka, IWEA-
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Lloyd Lamberton, Evansville Water & Sewer
*Bill Boetcker III, Aqua Indiana
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Larry Keil, City of Goshen
Kevin Kredit, Shelbyville WWTP
Nara Manor
Natalie Maupin, Envizi
Perry Mincy, City of Elkhart
Tim Orrill, City of Richmond
Becky Ruark, IDEM
*Dave Taylor, IIOA & IWEA—Board
Member, AT Environmental

**denotes member of the IIOA Board of Directors*

Thank you for all the work you do in the committees to make WITtec a valuable education forum for Water Quality Protectors. Committees bring ideas for information sharing to the WITtec Forum and we all benefit from the sharing of knowledge.

**Registration is Open under the
Conference Page link.**

<http://www.iioa.net/conferences>

News Update

For Immediate Release
Contact: Martha Martin
1.317.502.1380

CALL FOR PRESENTATIONS FOR WITTEC CONFERENCE

April 2-3, WITtec™ 2025

Deadline for Submitting Abstracts for Presentations is February 1, 2025

(Indianapolis, IN) The Indiana Industrial Operators Association, Inc. (IIOA) is accepting abstracts of presentations to be considered for **WITtec 2025**, an industrial and pretreatment wastewater conference and exhibition to be held at the **VALLE VISTA GOLF & CONFERENCE CENTER**. **WITtec** is the largest Midwest Regional Wastewater Industrial Technical Training and Education Conference. Updated information about the Conference will be available at www.iioa.net

Abstracts and Bios must be received by February 1.

WITtec is sponsored by the Indiana Industrial Operators Association and will focus on the key issues and challenges facing wastewater treatment. The conference and exhibition will offer a forum for technical dialogue, a products and services showcase, and a wide range of networking opportunities. Both the Industrial Municipal Pretreatment Committee and IIOA hold their annual conferences at WITtec.

Topics of interest include technical topics directly related to: Treatment Plant Solids, Industrial Wastewater & Energy Options, Recycling Industrial Process Water, Cooling – Water Management, Industrial WWT Design, Industrial, Municipal, Chemical, Physical, and Biological Treatment. Collection and Distribution Systems, Plant Operations and Maintenance, Instrumentation, Surface Water Quality, Innovative Treatment Technologies, Case Studies, Safety, Management, Regulations and Policy Issues will also be considered. The latest information is available on the IIOA website. Presentations that are technical in nature and can provide continuing education contact hours for wastewater operator/apprentice, legal and professional engineer credits will be given highest consideration.

WITtec participants include engineers, regulators, government officials, managers, operators, product and service suppliers, consultants, scientists, researchers, and others involved in water environment infrastructure and industrial wastewater issues.

For more information, call IIOA at 1(317) 502-1380, e-mail info@iioa.net, or visit www.iioa.net.

Founded in 1995, the Indiana Industrial Operators Association, Inc. (IIOA) is an individual-membership, non-profit professional society, dedicated to the advancement in the profession of wastewater treatment. IIOA fosters this advancement through comprehensive educational programs that benefit everyone involved in this widely diversified industry, along with efforts to educate the community in its outreach programs.

The primary mission of IIOA is to serve professionals in wastewater treatment, to benefit industry and society through education, information and social involvement. Membership is open to all wastewater professionals and those who provide services, supplies, equipment and support to the industry.

Water Quality Protectors – Meet at WITtec



WITtec 2025

Official Abstract and Biographical Form for Presenters

Presentation Length: 50 minutes

Wednesday, April 2

All Sessions below held at Valle Vista Golf & Conference Center, Greenwood, IN

Wednesday April 2- Hot Topics Industrial Session - Open to all Presenters

Wednesday, April 2, Registered Pretreatment Course Session - CPC Instructors

Wednesday, April 2, Registered Industrial Wastewater Professional, RIWPM Instructors

Wednesday, April 2, Registered Industrial Environmental Manager, Masters Instructors

I would like to be an instructor in the following course: _____

Thursday, April 3, Concurrent Sessions – check session preferred – Open to all Presenters

IIOA Industrial Session

Industrial Municipal Pretreatment

Presenter : _____

Organization: _____

Phone Number: _____

Email: _____

Biography for Presenter (Limit: 125 words)

1. Presentation Title: _____

Abstract (Limit: 200 words – to be printed in the conference materials and included on the conference web site, for accepted presentations):

3. Intended Audience: _____

Learning Objectives (i.e., knowledge and skills conveyed by your presentation):

5. Audio visual provided (microphone, screens, data projector, and laptop computer)

Of course, you are free to bring your own laptop if you so choose and connect to our data projectors. All speakers should bring a flash drive as a backup. Please complete and email to martin2076@comcast.net for **WITtec**. IT Technical Director will be stationed in Registration area to assist speakers with presentation loading. ***Selected Speakers will be provided a registration code for www.wittec.net on the Attendee Registration Button for the day of their presentation.***

Call for Presentations – Topics of interest should be a more developed presentation rather than basic as our audience is beyond the elementary basics. Commercial type presentations are discouraged. It is the WITtec conference policy to not distribute presentations. Any requests for presentations will be forwarded to the speaker.

Hot Topics April 2

Topics of Interest may include:

The details of Polymer selection

Surface Finishing wastewater treatment

Aerospace finishing wastewater treatment

Pollution Prevention in surface finishing and wastewater treatment

Oil Management in wastewater treatment

Food processing wastewater treatment applications

Centrifuges, Filters and Solids Management

SPCC and wastewater treatment

Any other relevant technical topic

Concurrent Sessions Industrial April 3

PFAS

Managing Environmental Staff in a Changing World

An Historical look at what worked and what didn't

Polymers – the slippery slope of selection

Water – beginning to end

Surface Finishing wastewater treatment

Pollution Prevention in surface finishing and wastewater treatment

Fine tuning Coagulants and Polymers

FOG Management in wastewater treatment

Food processing DAF and MBR applications

Centrifuge and Solids Management

SPCC and wastewater treatment

Stormwater Management Programs

IDEM Update

Wastewater Expansion and Equipment

Sampling Equipment

Centralized Waste Treatment

Pollution Prevention Grants

Wastewater Inspections – What to Expect

Slug Plans, Toxic Organic Management Plans, TICs

Concurrent Sessions Pretreatment April 3

EPA and IDEM Regulatory Updates

How to handle Bypass incidents

Stormwater Management

PFAS

Alcohol Distillation Wastewater Management

Laboratory Challenges

Slug Plans, Toxic Organic Management Plans, TICs

IIOA Educational Opportunities

<p>IEM Basic Course 8 Technical Hours</p> 	<p>RIWP Basic Course 8 Technical Hours</p> 	<p>RPC Course 8 Technical Hours</p> 	<p>Class A-1 Course Wastewater License Prep 27 Technical 2 General Hours</p>
<p>IEM Masters Course 8 Technical Hours</p> 	<p>RIWP Masters Course 8 Technical Hours</p> 	<p>CPC Course 8 Technical Hours</p> 	<p>Class B,C,D Course Wastewater License Prep 24 Technical 4 General Hours</p>
<p>Storm Water Certification Course 8 General Hours</p> 	<p>RIWPhD Course 8 Technical Hours</p> 	<p>Class IV Course Wastewater License Prep 24 Technical 4 General Hours</p>	<p>Class A-SO Course Wastewater License Prep 3 Technical Hours</p>
<p>Nuts & Bolts Sampling 4 Technical Hours</p>	<p>All that's missing is You. <i>"The more I read and Study, the Luckier I get."</i> B. Franklin</p>	<p>Scavenger Hunt for Facts 1 Technical Hour</p>	<p>Class IS-P Course Wastewater License Prep 3 Technical Hours</p>



Visit iioa.net for
Education Online
Courses Details



Students are paired with an IIOA online mentor for the Indiana Wastewater License prep courses. The wastewater courses are also suitable for students who have been challenged by the state wastewater exam and need course work before reapplying to take the exam. The old adage "of take the test to see what is on it" may not produce the desired results.

IIOA can help motivated students.



IIOA Journal

The Official Journal of the Indiana Industrial Operators Association, Inc.

Editor: Martha Martin

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IIOA - mentoring operators for 30 Years