



96TH ANNUAL MEETING

# Inspiring Action

MAY 22-24, 2023



This is a request for abstracts of papers to be considered for presentation at the 96th Annual Meeting of the Central States Water Environment Association, Inc., which will be held May 22-24, 2023 at Saint Paul RiverCenter, St. Paul, MN. To receive consideration, abstracts must be submitted online by **November 28, 2022**.

Submittals that will be given highest credit will include:

- Submittals with a focus on day-to-day treatment, by people with hands-on experience at facilities.
- Topics in new emerging concerns.
- Case studies presented from an operations perspective, young professionals, leadership skills, and middle management.
- Research topics and case studies related to new and innovative technologies.
- Submittals focusing on local projects or issues

Two hours of ethics training will be on the program as well for engineers that require this to maintain their license.

Papers on other subjects which you feel may be of interest to members are, of course, always welcome. All written papers submitted are eligible for the Radebaugh Award. Submittals may also include the following topics:

## IMPLEMENTATION to OPERATIONS and MAINTENANCE:

- Time management or new process startup
- Efficiency (pumps, motors, lights, UV disinfection, HVAC, etc.)
- Technology/SCADA/Web-Based maintenance programs/GIS applications
- Troubleshooting – Traditional facilities (activated sludge, BNR), new processes (nutrient recovery) etc.

- Case studies of facilities
- Startup case studies
- Optimization

## ADVANCEMENTS in LIQUIDS TREATMENT

- Enhanced primary treatment
- Secondary treatment advancements and intensification
- Nutrient removal
- Tertiary treatment
- Alternative disinfectants

## WATERSHEDS and STORMWATER MANAGEMENT:

- Implementing new MS4 permit requirements
- Adopt a storm drain, pond etc. program case studies
- Anti-degradation and other regulatory issues
- Using grants and other funding sources to implement stormwater management as part of CIP projects
- Habitat or groundwater protection or restoration
- Non-point pollution source modeling
- Water quality trading and watershed management issues and initiatives, including adaptive management
- Green infrastructure solutions and best management practices
- Total maximum daily loads involving point and non-point sources
- Education and outreach

## UTILITY MANAGEMENT:

- Communications
- Employee retention and development
- Succession planning
- Project funding
- Utility rate development and reviews
- The *Infrastructure Investment and Jobs Act*

- Significant industrial users and industrial pretreatment
- Emergency response/repairs

## RESOURCE RECOVERY and ENERGY OPTIMIZATION

- Resource recovery – sourcing raw materials, nutrient recovery
- High strength waste and pretreatment programs
- Digester gas production and treatment technologies
- Lessons learnt from co-digestion
- Heat recovery case studies
- Alternative energy use
- Energy management and savings to utility management

## COLLECTION SYSTEMS:

- Collection system rehabilitation technologies/methods
- Collection system rehabilitation case studies
- Educating the public on how to protect the system
- CMOM program development and implementation
- Collection system design and operation
- Green infrastructure case studies
- Infiltration/inflow management case studies
- Stormwater and combined sewer overflow management
- Storm water conveyance

## RESEARCH and DESIGN:

- New/innovative technology research and application
- Nutrient removal technologies
- Sustainability in design and construction
- Toxics/emerging pollutants monitoring and control

- Treatment design
- Wastewater reuse, applications, technology and regulatory issues
- Wastewater surveillance

## RESIDUALS, SOLIDS and BIOSOLIDS:

- Pollutants of Emerging Concern – PFAS
- Environmental management systems – National Biosolids Partnership
- Public education and awareness, case studies
- Fertilizer production – Class A case studies
- Standard or advanced treatment and stabilization

## GENERAL:

- Laboratory issues and bench-scale studies
- Pretreatment, industrial treatment, and pollution prevention
- Pollutants of emerging concern – PFAS, chlorides etc.
- Public education to address emerging concerns – chlorides, water softener use, leachate, flushable wipes, etc.

- Regulatory issues
- Security issues
- Engineering ethics training
- Collection system/treatment plant odor control

## SOFT SKILLS/LEADERSHIP:

- Leadership skills
- Managing the ill or injured employee
- Generational integration
- Anti-harassment and discrimination training for managers
- Getting the most out of employee performance evaluations
- Union negotiations
- Handling the grievance and arbitration process
- Managing in a union environment
- Labor Law
- Management rights for Managers
- Social media and the workplace

To receive consideration, please submit your abstract via the online submittal process that can be accessed from

the CSWEA website. To submit your abstract, please go to [www.cswea.org](http://www.cswea.org) and then to the 96th Annual Meeting Abstract Submittal area. Once you start the abstract submittal process using the online form, you cannot come back to it later. It is important to have all materials ready to submit before submitting. As a reminder, an abstract is meant to **summarize** the presentation. The summary should include objectives, scope, and general procedures, as the limited length of the abstract permits. An indication of results or conclusions is required. Submittal of presentations (slides) or a generic product brochure in place of an abstract, will not be considered. Thank you.

### Colin Fitzgerald

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## INSTRUCTIONS FOR THE SUBMISSION OF ABSTRACTS AND CRITERIA FOR PAPER SELECTION

The Central States Water Environment Association (CSWEA) Technical Program Committee has the responsibility for technical sessions at the Annual Meeting. Participants in any sector of the water environment field are cordially invited to submit abstracts for evaluation. The basis for selection will be the excellence of the abstracts as judged by the committee.

The abstract should be [submitted online](#) through the online submittal process, you will enter the title and abstract, import your credentials, choose your topic area, and select your presentation format. Abstracts must contain a summary of no more than 120 words, with the full abstract (including all tables, figures, and references) not to exceed six (6) pages. Abstracts that are not in the required format will not be given equal credit.

The presenting author(s) of each abstract will be notified in January of the acceptance or rejection of the abstract.

The following should serve as a guide in the preparation of the abstract and will serve as a guide for the reviewers of the abstracts.

### 1. Originality and status of subject:

The paper should deal with new concepts or with new and novel applications of established concepts (operations and maintenance, collection systems, stormwater, utility management and leadership, research

and development etc.). It also may describe substantial improvements of existing theories or present significant data in support or extension of those theories. Studies of incomplete or ill-defined problem situations should be avoided. Previously published data should be introduced only in summary form and for comparative or supportive purpose.

### 2. Content:

Abstracts can either be technical or non-technical in nature. In either case, it should be evident that the abstract clearly describes the entire content of the paper to be presented. The abstract content should be objective and non-biased towards specific products, approaches, or otherwise. Each abstract should contain clear purpose and impact for conference attendees.

#### Guidelines for technical abstracts:

Where possible, abstracts should include data, figures, and methodology needed to draw proposed conclusions. The abstract should include whether the scale at which the project was completed (desktop, benchtop, pilot study, full-scale implementation, etc.) and at what stage of completion the project is in.

#### Guidelines for non-technical

**abstracts:** Abstracts do not require data to justify proposed conclusions, but abstract content should present well

thought out content, allowing for clear interpretation of the author's intent.

### 3. Water environment significance:

The paper should relate clearly and significantly to the water environment field. The author should make evident the relationships of the work to a practical problem area or situation in water quality and wastewater control.

### 4. Adequacy of abstract preparation:

The committee has noted that historically the adequacy of an abstract is often indicative of the quality of the final presentation. As a result, authors are urged to prepare their abstracts with care, following the instructions noted above. As a reminder, an abstract is meant to **summarize** the presentation. The summary should include objectives, scope, and general procedures, as the limited length of the abstract permits. An indication of results or conclusions is required. Submittal of presentations (slides) or a generic product brochure in place of an abstract will not be considered.

Abstracts are due by  
November 28, 2022  
<https://bit.ly/3qBkvWu>