



## U.S. Environmental Protection Agency Region 6

### 18<sup>th</sup> Annual Capacity, Management, Operation & Maintenance (CMOM) Workshop

#### Day 1

Wednesday, August 11, 2021

9:00 AM – 9:30 AM	<p><i>Welcoming Remarks:</i> Shay Ralls Roalson, P.E., Assistant Director, Austin Water, City of Austin, TX Jeff Caffey, P.E., President, Water Environment Association of Texas, Austin, TX Susan M. Jablonski, P.E., Area Director, Central Texas Area, Office of Compliance and Enforcement, Texas Commission on Environmental Quality, Austin, TX Bryant Smalley, Chief, Water Enforcement Branch, Compliance Assurance and Enforcement Division, U.S. EPA Region 6, Dallas, TX</p>
9:30 AM – 10:00 AM	<p><b>Keynote Speaker</b> – “<i>Sanitary Sewer Overflow Enforcement – A National Perspective</i>” – James E. Zimny, Acting Chief, Municipal Enforcement Branch, Water Enforcement Division, U.S. EPA Headquarters, Washington, DC</p>
10:00 AM – 10:15 AM	<p><b>Break</b></p>
10:15 AM – 10:45 AM	<p>“<i>Sanitary Sewer Overflows and Significant Non-Compliance (SNC): EPA Region 6 Perspective</i>” – Bryant Smalley and Damon McElroy, P.E., U.S. EPA Region 6, Dallas, TX</p>
10:45 AM – 11:15 AM	<p>“<i>TCEQ’s Sanitary Sewer Overflow Initiative</i>” – Raj Bhattarai, P.E., BCEE, WEF Fellow, Clean Water Strategies, Austin, TX</p>
11:15 AM – 11:45 AM	<p>“<i>Biggest Bang for the Buck: Quantifying and Prioritizing Sewer Rehabilitation and Replacement for I&amp;I Removal</i>” – Bridget Harper, P.E., ENV SP, Tetra Tech, Kansas City, MO</p>
11:45 AM – 12:00 Noon	<p><b>Break</b></p>
12:00 Noon – 1:00 PM	<p>“<i>Professional Ethics Workshop</i>” – Robert F. "Bob" Pence, P.E., BCEE and Stephanie Buckingham, CPTD, PHR, Freese and Nichols, Fort Worth, TX</p>
1:00 PM	<p><b>Adjourn</b></p>



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**Day 2  
Thursday, August 12, 2021**

9:00 AM – 9:30 AM	<i>“CMOM for Collection System Assets in a Digital Revolution”</i> – John D’Antoni, D.Eng., P.E., Black & Veatch, Houston, TX
9:30 AM – 10:00 AM	<i>“Where is SAWS at in their Consent Decree?”</i> – Jeff Haby, P.E., San Antonio Water System, San Antonio, TX
10:00 AM – 10:15 AM	<b>Break</b>
10:15 AM – 10:45 AM	<i>“Benefits and Lessons Learned from a Proactive SSES Program”</i> – Padma Patla, P.E., City of Richardson, Texas; and Stephen Johnson, P.E. and Mazen Kawasmi, P.E., CFM, GISP, Freese and Nichols, Fort Worth, TX
10:45 AM – 11:15 AM	<i>“Applying Diversity, Equity and Inclusion to CMOM Projects”</i> – Tanya Miro, Kimley-Horn, Dallas, TX
11:15 AM – 11:45 AM	<i>“The Data Mine: An Advanced Rehabilitation Tracking Method”</i> – Jack Canfield, Houston Water, City of Houston, TX
11:45 AM – 12:00 Noon	<b>Break</b>
12:00 Noon – 12:30 PM	<i>“Timelines and Pipelines: Solving SSOs One Pipe at a Time at the Same Time”</i> – Edgar Segovia, P.E., WGI, San Antonio, TX; and Rachel Hoffmeyer, P.E., San Antonio Water System, San Antonio, TX
12:30 PM – 1:00 PM	<i>“How the COVID-19 Challenge Illuminated Opportunity for Transformational Change with Collection System Maintenance”</i> – Jay Boyd, ADS Environmental Services, San Diego, CA
1:00 PM	<b>Adjourn</b>



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**Day 3**

**Friday, August 13, 2021**

9:00 AM – 9:30 AM	<i>“National Water Pipeline Database (PIPEiD): Better Data and Models for Improved Asset Management”</i> – Sunil Sinha, Ph.D., Virginia Tech, Blacksburg, VA
9:30 AM – 10:00 AM	<i>“In situ Evaluation of Constructability Alternatives and Materials while Managing Peak Flows”</i> – Patrick Lackey, P.E., Trihydro Engineering, New Braunfels, TX; and Gail Hamrick-Pigg, P.E., San Antonio Water System, San Antonio, TX
10:00 AM – 10:15 AM	<b>Break</b>
10:15 AM – 10:45 AM	<i>“Risk-based Asset Management Including CMOM by Houston Water’s In-house Planning and Analytics Team”</i> – Fazle Rabbi, P.E., Pratistha Pradhan, D.Eng., P.E., CFM, and Amirhossein Shokouhi, P.E., Houston Water, City of Houston, TX
10:45 AM – 11:15 AM	<i>“Proactive strategies implemented by NTMWD to reduce lift station related SSOs”</i> – Scott Hoelzle, P.E., North Texas Municipal Water District, Wylie, TX
11:15 AM – 11:45 AM	<i>“Faster, Smarter, Cheaper, Safer: Manhole Inspection and Rehabilitation in Chandler, AZ”</i> – Robert F. Buss, P.E., Carollo Engineers, Phoenix, AZ
11:45 AM – 12:00 Noon	<b>Break</b>
12:00 Noon – 12:30 PM	<i>“Auxiliary Treatment Approach for Peak Wet Weather Flows”</i> – Ashwini Khare, Ovivo, Austin, TX
12:30 PM – 1:00 PM	<i>“Computer Vision AI and Cloud Computing in Sewer Condition Assessment: Background, Benefits, Case Studies, and Use Cases”</i> – Eric Sullivan, SewerAI, Walnut Creek, CA
1:00 PM	<b>Adjourn</b>