Air and Water Virtual Conference – September 21 and 22, 2020
Hosted by ALL4 and EBS

Day 1 – September 21, 2020

1:00 – 1:15 PM EST: Introduction: *Richard Dolly, EBS, Director of Pulp and Paper* *John Egan, ALL4, Principal Consultant*
1:15 – 2:15 PM EST **Air Quality Regulatory Update** *Amy Marshall, ALL4, Technical Director* Amy will provide an update on recent and pending federal air quality regulatory actions. The discussion will include an update on EPA activities around deregulation, reform and streamlining and an overview of air activities and guidance during the current EPA administration. **Potential Impacts of an Uncertain Political Climate on U.S. EPA Policy and Initiatives** *Chuck Doyno, ALL4, Atlanta Office Director* Chuck will discuss initiatives and the direction of the U.S. EPA Air Program if a change in administration occurs in November. Possible impacted initiatives include climate change, NSR reform, public availability of data, and portable monitoring.
2:15 – 2:25 PM EST: Break
2:25 – 3:20 PM EST **Primary and Secondary Wastewater Clarification Systems** *Richard Dolly, EBS, Director of Pulp and Paper* Richard will discuss the primary and secondary clarification systems and how they dictate whether or not a system will meet compliance needs. Failure to achieve adequate clarification can result in permit violations for Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD), as well as other parameters. This session will provide a clear understanding of how this process unit functions and the problems that can be encountered.
3:20 – 3:30 PM EST: Break

3:30 – 4:30 PM EST

Continuous Monitoring Systems and Data Validation
Megan Stroup, ALL4, Consulting Scientist and
Matt Carideo, ALL4, Consulting Engineer

Megan and Matt will provide an overview of continuous monitoring systems (CMS), quality assurance requirements, the importance of understanding your data, and CMS best practices.

Streamlining of Air Emissions Reporting – An EPA Initiative
Stacy Arner, ALL4, Consulting Engineer

Stacy provides an overview of U.S. EPA's common air emissions reporting system (CAERS) and walks through a Georgia case-study. Find out which states are coming next and what to expect if your state is impacted.

4:30 – 4:45 PM EST Closing Remarks

Day 2 – September 22, 2020

1:00 – 1:15 PM EST: Introduction:
Chuck Doyno, ALL4, Atlanta Office Director

1:15 – 2:10 PM EST

Biological Growth Pressures for Activated Sludge and Aerated Stabilization Basins
Blaine Lee, EBS, Technical Services Manager

Blaine will provide an introduction to the eight growth pressures and the impact that they have on the microbial community in the secondary (biological) treatment process.

2:10 – 2:20 PM EST: Break

2:20 – 3:20 PM EST

NPDES Permitting – Best Practices and Watchouts
Lizzie Smith, ALL4, Project Manager

Lizzie provides an overview of a strategic approach to NPDES permitting including highlighting a few critical watchouts for consideration such as effluent sampling requirements, laboratory results validation, cooling water intake structures, and more.

An Overview of PFAS and What's Next from an Air Quality Perspective
Kayla Turney, ALL4, Technical Manager

Kayla reviews what to expect related to PFAS regulations including SARA 313 reporting and air permitting implications. She will also provide guidance in preparation for PFAS rules and regulations changes.

3:20 – 3:30 PM EST: Break

3:30 – 4:25 PM EST

Nutrient Optimization and Control
Tripp McElwee, EBS, Regional Consultant

Tripp will discuss why nitrogen and phosphorus are important in biological wastewater treatment, when and how to add nutrients to your wastewater treatment process, and the impact of nutrient deficiency on treatment.

4:25 – 4:45 PM EST Closing Remarks