



CSWEA  
**Webinar**  
Series

**Thursday – February 13, 2025**

**11:00 AM to 12:00 PM**

**Can Drying Actually Transform PFAS?**

Can drying actually transform PFAS too? Elucidating the impacts of drying, pyrolysis, and gasification on PFAS through Water Research Foundation research. While the industry anxiously awaits the EPA risk assessment on PFAS in biosolids, knowledge is sought on how current and emerging technologies impact PFAS. High temperature technologies were widely thought to be the main processes that substantially altered PFAS fate. However, more research is emerging on the potential role of PFAS-precursor transformations. The objective of this research was to determine how drying, along with pyrolysis and gasification, impacted PFAS. Interestingly, our recent (unpublished) lab-scale studies revealed that new PFAS compounds emerged after drying, ostensibly due to the conversion of precursor compounds. In addition to drying studies, this presentation will present new data on the fate of PFAS in the effluent gas phase and solid phases from pyrolysis and gasification studies.

**Agenda**

**11:00 AM** - Introduction

**11:05 AM** - Presentation – Patrick McNamara

Marquette University / Black&Veatch

**11:45 AM** - Q&A with presenter

**12:00 PM** - Adjourn

**CONTINUING EDUCATION**

**1.0 CEUs** for Operators in Illinois, Wisconsin & Minnesota.  
Operator ID/Quiz required for webinar.



**1.2 PDHs** for all Professional Engineers

**COST**

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**PRESENTED BY:**



**Patrick McNamara**  
*Marquette University / Black & Veatch*

Dr. Patrick McNamara has 15+ years of experience in wastewater processes. He is a professor of Environmental Engineering at Marquette University and the PFAS and Residuals Research Leader at Black & Veatch. He has published more than 75 peer-reviewed journal articles with 20 of them being on pyrolysis and biochar. His research group focuses on emerging contaminants in wastewater and biosolids, and he loves fishing.