

**Pacific Northwest Pretreatment Workshop
Virtually, November 2020**



Presentation and Biographical Information

Presentation and Speaker biographical information will be used by the Conference Planning Committee to apply for conference Continuing Educational Units (CEU) certification. Biographical information may also be used during speaker introductions. Please e-mail this information to **Andria Swann** at andrias@sumnerwa.gov before **September 15, 2020**. If you have any questions, you may contact your PNPW sponsor.

Presentation Title & Abstract:	Michigan Industrial Pretreatment Program (IPP) PFAS Initiative - Identified Industrial Sources of PFOS to Municipal Wastewater Treatment Plants (WWTPs)	
	Michigan required 95 WWTPs with required IPPs to evaluate their industrial users as potential sources of perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). The majority of significant PFOS sources to WWTPs were landfills that accepted industrial wastes containing PFOS, metal finishers with a history of fume suppressant use, and contaminated sites associated with industries or activities with PFOS usage. Other sources found included centralized waste treaters (CWTs), paper manufacturing/packaging, commercial industrial laundries, chemical manufacturers, and sewers contaminated with AFFF. Michigan has effectively worked with WWTPs that have exceeded the PFOS water quality values to implement source reduction to decrease the PFOS concentrations in the influent, effluent, and biosolids/sludge. All effective treatment has been conducted at the source rather than at the municipal WWTP.	
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# years in field	2 years in PFAS; 9 years total with EGLE	
Professional Association Memberships		
Education (degree)	School Name	Year
B.S. Environmental Science	Bowling Green State University in Ohio	2006
M.S. Environmental Policy	University of Michigan, Ann Arbor	2011
Work History	Company	Year
NPDES compliance	State of Michigan, EGLE, Water Resources	2011-present
Nature Guide	Sate of Michigan Dept of Natural Resources	Summer of 2011

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Other Biographical Information (Interests, Hobbies, etc.)

Traveling, reading, enjoying the great outdoors
