

QUARTERLY PROGRESS REPORT

Q1: January 1st, 2022 to March 31rd, 2022

PROJECT TITLE: Per- and Polyfluoroalkyl Substances (PFAS) in Municipal Public Works Waste Streams

PRINCIPAL INVESTIGATOR: Timothy Townsend

**AFFILIATION: Professor, University of Florida
Department of Environmental Engineering Sciences**

CO-PRINCIPAL INVESTIGATOR: John A. Bowden

AFFILIATION: Assistant Professor, University of Florida College of Veterinary Medicine

CO-PRINCIPAL INVESTIGATOR: Helena Solo-Gabriele

AFFILIATION: Professor, University of Miami Department of Chemical, Environmental, and Materials Engineering

COMPLETION DATE: December 31, 2021 PHONE NUMBER: 352-215-9152

PROJECT WEB SITE: <https://faculty.eng.ufl.edu/timothy-townsend/pfas-public-works/>

Work accomplished during this reporting period:

During the first quarter of this research project, samples of biosolids, food waste compost were collected and underwent PFAS analysis, some of which is still ongoing. Total PFAS extraction and analysis for street sweepings collected across the state was accepted for publication this year in Environmental Science & Technology ([link](#)).

Work planned for the next reporting period:

In Q2, we will continue to collect samples of additional waste streams, including drinking water sludge and C&D RSM and begin processing these samples for PFAS and physical-chemical analysis as part of Task 1.

Metrics:

Name	Rank	Department	Professor	Institution
Yalan Liu	PhD Student	EES	Dr. Townsend	UF
Jake Thompson	PhD Student	EES	Dr. Townsend	UF
Alina Timshina	PhD Student	EES	Dr. Bowden	UF
Ignacio Sastre	Undergraduate	EES	Dr. Townsend	UF
Farid Ahmed	Undergraduate	EES	Dr. Townsend	UF

TAG Meeting:

https://ufl.zoom.us/rec/share/Z5KkxmuA7iRiBfatyxlodbqmL0XfNz24P1uN1hTBb34jRiN3VggeTKj81cck_A0.VJnBulbE5xNoYhiV