

QUARTERLY PROGRESS REPORT

September 1st, 2021 to December 31st, 2021

PROJECT TITLE: Characterization and Management of Per- and Polyfluorinated Alkyl Substances (PFAS) Remediation Residuals

PRINCIPAL INVESTIGATOR: Timothy Townsend

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CO-PRINCIPAL INVESTIGATOR: John A. Bowden

**AFFILIATION: Assistant Professor, University of Florida
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COMPLETION DATE: April 30, 2022

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PROJECT WEB SITE: <https://faculty.eng.ufl.edu/timothy-townsend/characterizationandmanagement-of-per-and-polyfluorinated-alkyl-substances-pfas-remediation-residuals/>

Work accomplished during this reporting period:

Following the work from last quarter, leaching test extracts were analyzed for PFAS and the data processing has started for all samples. AFFF- impacted soils have been characterized for organic matter, moisture content, pH, and total PFAS. A literature review of the current risk-based thresholds for PFAS-impacted soils is being developed for comparison to laboratory leaching data.

In addition to the work on AFFF-impacted soils, work has been done to explore stabilization of PFAS-containing liquid wastes and the effect of different bulking agents on the retention of PFAS during landfill disposal scenarios. In the previous quarter leaching tests were run on these samples and this quarter samples have been analyzed for PFAS. Training for the data processing of these samples is underway and is expected to be completed in the last quarter.

Work planned for the next reporting period:

The work planned for the next report is to finish compiling all the data generated and summarizing it into a final report. Next quarter a wrap up TAG meeting will be held for the TAG members to see the results of these experiments and to get feedback before submitting a final report.

Metrics:

Name	Rank	Department	Professor	Institution
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Jake Thompson	PhD Student	Environmental Engineering	Dr. Townsend	University of Florida
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TAG Meeting:

https://ufl.zoom.us/rec/share/Z5KxmuA7iRiBfatyxlobqml0XfNZ24P1uN1hTBb34jRjN3VqgeTKj81cck_A0.VJnBulbE5xNoYhiV