QUARTERLY PROGRESS REPORT

April 30th, 2021 to August 31rst, 2021

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

PRINCIPAL INVESTIGATOR: Timothy Townsend

AFFILIATION: Professor, University of Florida
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AFFILIATION: Assistant Professor, University of Florida
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COMPLETION DATE: August 31, 2021 **PHONE NUMBER: 352-215-9152**

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:

Continuing the work from last quarter, our team ran several leaching tests on different contaminated materials to determine the leachability of PFAS under different disposal scenarios. To date we have worked on assessing the leachability of PFAS from AFFF impacted soil and liquid wastes that would be generated during remediation efforts. Soils have undergone TCLP, SPLP, and LEAF method 1313 thus far. Samples for these set of experiments are currently being extracted for PFAS analysis.

In addition, TCLP and SPLP were run on synthetic AFFF solutions and field sampled AFFF contaminated liquids stabilized with bentonite clay, cement fines, sawdust, or biochar to pass paint filter test. All samples for this experiment have been extracted and are waiting to be analyzed for PFAS.

Work planned for the next reporting period:

Next quarter leaching tests for stabilized AFFF liquids will continue. Leaching tests are expected to be completed during the next quarter and all samples will begin extraction and data processing.

Metrics:

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

TAG Meeting:
https://ufl.zoom.us/rec/share/Z5KkxmuA7iRIBfatyxIodbqmL0XfNZ24P1uN1hTBb34jRjN3VqgeTKj81ccK_A0.VJn BuIbE5xNoYhiV