



NASF/AESF Foundation Research Reports

Project R-120 Q-3 (2019-2020)



Electrochemical Destruction of Perfluorooctanesulfonate in Electroplating Wastewaters

2019-2020 Report
October 2019-October 2020
AESF Research Project #R-120

by
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Summary

Work was significantly slowed by the COVID-19 pandemic. Our labs were shut down on March 15, 2020 and reopened on June 15, 2020 at limited capacity. Due to the limited lab capacity (~50%), laboratory work was not conducted this quarter. Work was conducted by PI Chaplin to review the literature related to electrochemical PFAS oxidation, and a review manuscript was submitted to *Environmental Science and Technology*. The manuscript is in the second round of review, and it is anticipated to be published soon. In addition, a new Ph.D. student has been assigned to this project and we started experimental work as of October 28, 2020. A no cost extension is now in place, which extends the grant for an additional year.

About the author



Dr. Brian P. Chaplin is Associate Professor in the Department of Chemical Engineering, at the University of Illinois at Chicago. He holds a B. Civil Engineering (1999) and an M.S. (2003) in Civil Engineering from the University of Minnesota and a Ph.D. in Environmental Engineering (2007) from the University of Illinois at Urbana-Champaign.

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