

Characterization of NOM Removal via Coagulation using Fluorescence Spectroscopy

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Outline

- Brief Background
 - What is NOM?
 - What is a DBP?
 - NOM Characterization with Fluorescence
- Project Objectives
- Experimental Methods
- Preliminary Results
- Future Work

Introduction

- Natural Organic Matter
 - Terrestrially or Microbially derived NOM
- Coagulation
- DBPs
 - Chlorine added to water as a form of disinfectant
 - NOM and Chlorine React -> Undesired chemical compound
 - Harmful to health – Carcinogenetic





