

# Developing Methods for Wastewater Sample Analysis

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## Project Summary

Wastewater analysis of native American reservations as well as local wastewater treatment plants to inform future agricultural use.

## Outcomes

Due to difficulties in the lack of materials and supply chain, many experiments were delayed and will need to be completed in the future.

The goal of the experiment was to determine the methods for possible future use of wastewater for agricultural purposes through the use of biological and chemical analysis.

## Background

### Biological

Wastewater concerns:

- Pathogens
- Antibiotic resistant genes
- Influences into environmental microbial communities

**Chemical:** There are currently emerging chemical contaminants of concern. These include toxic compounds that can harm humans and other organisms. This project will help develop future methods used to analyze chemical contaminants.

## Methods

