

Sewer Sleuthing Module Worksheet

Preliminary Questions:

1. A Plant Operator has noticed a few suspicious changes at the wastewater treatment plant, including higher than normal flows and a low incoming pH. Why is this of concern?
2. Who is responsible for ensuring the HRSD wastewater treatment plant are cleaning wastewater effectively?

Investigation:

You are testing for pH, chlorine, and nutrients in the sewer pipelines along Starfish Avenue. Fill out your data in the chart below. Circle the samples that contain pollution.

Parameter	Sample ID	Value	Parameter	Sample ID	Value	Parameter	Sample ID	Value
pH			Chlorine			Nutrients		
pH			Chlorine			Nutrients		
pH			Chlorine			Nutrients		

Follow-Up Questions:

1. Where is the contamination coming from? What are our next steps to fix the problem?
2. What are some ways that HRSD reduces chemicals in the sewer system that come from industries?
3. Why is it important to monitor water quality at wastewater treatment plants?