

# HEBER PUBLIC UTILITY DISTRICT

## REPORT TO BOARD OF DIRECTORS

**MEETING DATE:** March 17, 2016

**FROM:** Laura Fischer, General Manager

**SUBJECT:** Information Only Exceedance of HAA5 Maximum Contaminant Level (MCL) at Water Treatment Plant.

### **INFORMATION ONLY:**

As previously reported to the Board, the HPUD water has shown a significant increase in the HAA5 (haloacetic acids) in our finished drinking water. The HAA5 are a common undesirable by-product of drinking water chlorination.

Disinfectant by-products (DBP) that are regulated by the State Water Board and the EPA include trihalomethanes and haloacetic acids. We received a Citation for Violation of our HAA5 MCL. As required, the HPUD issued a public notice to our customers in the March utility bill.

As part of the compliance component of the Citation, HPUD must prepare a response to the violation by April 30, 2016. HPUD staff and engineers met to discuss the possible changes in operations that we can take that will lower the HAA5 and not adversely affect the TTHM results.

### **NEXT STEPS:**

We have developed a plan that includes taking base samples to determine our current HAA5, TTHM and TOC numbers. This is important as we have drained the east pond because it was necessary during this phase of construction. We need to know the base DBP lab results with this pond out of service. After getting a base number, we will make changes in our operations in an effort to improve our base numbers. The changes will include, increasing the amount of chemical pre-treatment, using two clarifiers during the treatment instead of just one, and increasing the volume of water used to flush the clarifiers. After making these changes we will again test to determine the affect the change has had on the TTHM, HAA5 and TOC results.

Staff will fully document our actions and report them to the State Water Board and we will get approval from the State engineers prior to implementation. We will determine the best way to ensure that our water quality is within the EPA and State Water Board regulations and we must make sure that our Water Plant improvement project addresses these issues. We will keep you posted and provide you with a copy of our response to the water board.

Respectfully Submitted,

Laura Fischer,  
General Manager

