



Legislation Text

File #: 2021-215, **Version:** 1

Consider a resolution authorizing the Mayor to execute a Contract with B-5 Construction Company, Inc. for the Lake Creek Pump Station Chlorine System Improvements Project.

The City operates a groundwater well site located south of downtown Round Rock. This site, referred to as the Lake Creek well site and pump station, uses chlorine gas in its treatment process. The chlorine gas is stored and utilized inside of a chlorine building located onsite.

The Utilities and Environmental Services (U&ES) Department recently completed a risk assessment for the water utility. This risk assessment identified the lack of an emergency chlorine scrubber system at the Lake Creek well site as a potential risk. To mitigate this risk, our department seeks to add a chlorine scrubber system to the existing chlorine building.

A chlorine scrubber system is activated in the event that a chlorine leak is detected inside the chlorine building. When the system is activated, chlorine gas is pulled from the building by the scrubber unit and neutralized. The addition of a chlorine scrubber unit will greatly increase operator safety and prevent damage to the Lake Creek well site in the event of a chlorine leak.

The existing chlorine building is not of sufficient quality to support a chlorine scrubber unit due to the buildings inability to be sealed in an emergency. In addition to the chlorine scrubber unit, this project includes the construction of a new chlorine building that will facilitate the use of the scrubber. A bathroom for the Water Treatment Operators will also be added to the new chlorine building.

The City opened three bids on July 13, 2021. B-5 Construction Company Inc. was the low bid at \$1,160,239. After evaluation, the U&ES Department and AECOM, the design engineer, recommends entering into an construction contract with B-5 Construction Company Inc. for this project.

Cost: \$1,160,239

Source of Funds: Self-Financed Water Construction