



Legislation Text

File #: 2020-0186, **Version:** 1

Consider a resolution authorizing the Mayor to execute a Contract for Engineering Services with AECOM for the Lake Creek Pump Station Emergency Chlorine Scrubber Project.

The City of Round Rock operates a potable groundwater well facility 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 Department recently completed a risk assessment for the water utility. This risk assessment identified the lack of a 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 mixed with a caustic material which neutralizes the gas. 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 City selected AECOM to provide the engineering services necessary for the addition of a chlorine scrubber system at the Lake Creek well site.

Cost: \$67,613

Source of Funds: Self-Financed Water Construction