

RESOLUTION NO. 2015-17

**A RESOLUTION TO AUTHORIZE A CONTRACT WITH MOORE & BRUGGINK
FOR SERVICES RELATED TO RELOCATING CHEMICALS FROM THE MAIN
CONTROL BUILDING**

WHEREAS, this project was identified for construction within three years in the 2012 Capital Improvement Plan prepared by Fishbeck, Thompson, Carr, and Huber; and

WHEREAS, the WWTP uses ferric chloride (Fe Cl_3) continually as a critical process chemical for the removal of phosphorus; and

WHEREAS, the Fe Cl_3 is currently located in the main control building and is corroding equipment in its vicinity including the main electrical feed to the plant, electrical switchgear for critical operations in the plant, HVAC equipment, doors, lighting, and the generator; and

WHEREAS, the two 5,000 gallon tanks and the required pumps for the FeCl_3 have previously experienced failures and have served beyond their useful life; and

WHEREAS, the building was built around the tanks and replacement of the tanks in the same location would require removal of the roof or a masonry wall; and

WHEREAS, the current location of the Fe Cl_3 requires pumping the chemical over 500 feet which leads to periodic plugging of the piping; and

WHEREAS, operational staff along with the engineers agree that it would be in the best interest of the operations to move the Fe Cl_3 to a location approximately 100 feet from the application point; removing the tank from a building where it is causing corrosion; that proper containment and ventilation be provided for safety; and that the existing tank area would be retrofit to increase efficiency of the operations in the main control building; and

WHEREAS, Moore & Bruggink has submitted a proposal in the amount of \$64,000 to prepare plans and specifications.

THEREFORE, BE IT RESOLVED That the City enter into a contract with Moore & Bruggink to provide the above mentioned services, including alternative building configurations, designs and construction materials and methods, and that the mayor or clerk be directed to sign said contract on behalf of the City.