



City of Ketchum

February 16, 2021

Mayor Bradshaw and City Councilors
City of Ketchum
Ketchum, Idaho

Mayor Bradshaw and City Councilors:

Recommendation to Approve Purchase Order 20586 With Thatcher Company, Inc for Aluminum Sulfate

Recommendation and Summary

Staff is recommending the council approve Purchase Order 20586 and adopt the following motion:

“I move to approve Purchase Order 20586 with Thatcher Company, Inc for the purchase of Aluminum Sulfate to be used at the wastewater treatment plant in the approximate amount of \$21,000.00.

The reasons for the recommendation are as follows:

- Aluminum Sulfate is used in the wastewater treatment process to promote coagulation and phosphorous removal.
- Addition of Aluminum Sulfate in the treatment process is necessary to comply with the phosphorous discharge limit required in our discharge permit.

Introduction and History

Phosphorous is one of the constituents in wastewater that needs to be removed for the protection of the environment. Aluminum Sulfate added during the treatment process reacts with phosphorous to create particles which bind together. The particles precipitate out of the wastewater and are removed as a solid. Without the addition of Aluminum Sulfate, the unbound phosphorous would remain suspended in the water and be discharged into the river causing water quality problems.

Sustainability

This purchase is not applicable to the 2020 Ketchum Sustainability Action Plan.

Financial Impact

This is a budgeted expense with funds coming from the Chemicals line item of Wastewater Expenditures. Aluminum Sulfate is delivered by tanker trucks carrying approximately 4,000 gallons per delivery. Each delivery costs about \$5,250.00. This purchase order will be for the next four deliveries and should be sufficient for the rest of this fiscal year.

Attachments:

Purchase Order 20586

