



Legislation Text

File #: 15-0173, **Version:** 2

Resolution to Approve a Purchase Order with Precision Odor for Odor Control Chemicals and Equipment for the Wastewater Treatment Plant (\$60,000.00)

Your approval is requested to authorize a Purchase Order with Precision Odor in the amount of \$60,000.00 for odor control chemicals and feed system equipment for the City's Wastewater Treatment Plant (WWTP).

During the winter season, the WWTP utilizes centrifuges to reduce the water content of liquid biosolids and produce a cake that is disposed in a landfill. Previously, dust lime was added to the cake to reduce odors to the point that the cake was acceptable to the landfill. However, the dust lime caused a significant release of strong ammonia odors during truck loading activities at the WWTP and from loaded trucks leaving the plant. These odors migrated off site, which resulted in multiple odor complaints to the Michigan Department of Environmental Quality (MDEQ). MDEQ and WWTP staffs met on several occasions to discuss how the odors could be eliminated. MDEQ staff indicated that ongoing complaints could lead to issuing citations to the WWTP and/or revoking the plant's air permit. WWTP staff researched options for odor management and determined that pilot testing of odor reducing chemicals other than lime offered the most cost effective solution.

After testing chemicals from two manufacturers that had a documented history of success at other plants, WWTP staff found that a combination of two products made by GOC was effective in reducing odors on site and making the cake acceptable to the landfill. Precision Odor is the sole distributor of these particular products made only by GOC. As part of the pilot testing, Precision Odor installed a pumping system to deliver the chemical mixture with the understanding that the City would not pay for it unless the pilot test was deemed a success. WWTP staff is requesting that Council approve a Purchase Order with Precision Odor for the purchase of the chemical feed system equipment (approximately \$8,650 for two complete chemical feed systems) and odor reducing chemicals needed for the remainder of FY15 (\$3,618/55 gallon drum delivered).

Precision Odor complies with the requirements of the nondiscrimination ordinance.

Funds to finance this purchase are included in the approved FY15 WWTP Operation and Maintenance budget for the Sewage Disposal System.

Prepared by: Keith Sanders, Assistant Manager, WWTSU

Reviewed by: Craig Hupy, Public Services Area Administrator

Approved by: Steven D. Powers, City Administrator

Whereas, The City's Wastewater Treatment Plant (WWTP) uses chemicals to control odors from biosolids cake to make them acceptable for disposal at a landfill;

Whereas, Precision Odor is the sole provider of odor control chemicals determined through pilot testing to provide the best performance for reducing odors from biosolids cake both at the WWTP and the landfill;

Whereas, Precision Odor complies with the requirements of the Nondiscrimination Ordinance; and

Whereas, Sufficient funds have been budgeted in the approved FY15 WWTP Operation and Maintenance budget for the Sewage Disposal System;

RESOLVED, That City Council approve a Purchase Order in the amount of \$60,000.00 with Precision Odor for the purchase of odor control chemicals and feed system equipment for the WWTP during FY15; and

RESOLVED, That the City Administrator or designee be authorized to take the necessary administrative actions to implement this resolution.