




Interoffice Memorandum

APPROVED
BY ORANGE COUNTY BOARD
OF COUNTY COMMISSIONERS

October 8, 2014

NOV 11 2014 NPBS

TO: Mayor Teresa Jacobs
and the Board of County Commissioners

FROM:  Anthony Richardson, Manager, Procurement Division

CONTACT: Larry Tunnell, P.E., P.G., Manager
Water Reclamation Division
407-254-9685

SUBJECT: Approval of Purchase Order M69578, Purchase of Aerator Gear Boxes

ACTION REQUESTED:

Approval of Purchase Order M69578, Purchase of Aerator Gear Boxes, to Chalmers & Kubeck, Inc. in the estimated amount of \$225,551.20.

PROCUREMENT:

Replacement of surface aerators at the South Water Reclamation Facility.

FUNDING:

Funds are available in account number 4420 038 1555 19 6310.

APPROVALS:

The Water Reclamation Division and Utilities Engineering Division concur with this recommendation.

REMARKS:

Three of the five existing gear box assemblies for the surface aerators at the South Water Reclamation Facility have been in operation since the late 1980's, and are reaching the end of their useful lives with the possibility of failure at any time. This has been verified by visual inspection of the gears via bore scope and analysis of the lubrication oil. The surface aerators provide the main source of treatment at the southeast aeration basin and if one gear box fails the treatment efficiency of the basin is greatly decreased. This event would jeopardize the ability of the plant to meet permitted effluent quality limits. It has been determined that the gear boxes should be replaced to increase the useful life of the aerators and insure the on-going proper treatment of wastewater at the plant.

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Approval of Purchase Order M69578
Sole Source Purchase of Aerator Gear Boxes

The existing surface aerators and gear box assemblies were manufactured by Siemens. Chalmers & Kubeck, Inc. is the only Siemens Factory Authorized Facility in the State of Florida and is the only company authorized to make modifications to Siemens gearboxes without affecting the warranty.

Analysis and evaluation by professional and technical staff have determined that the price of Chalmers & Kubeck, Inc. is reasonable and consistent with past sole sources of this equipment.