


# Memo

To: City Council  
From: Amy E. Gilson, P.E., Director of Public Works   
Date: April 17, 2017  
Re: Surface Wash Pump Repair Change Order

---

In accordance with Section 2-182 of the City Ordinances, this memo is to advise you of the approval of certain changes to the surface wash pump repair project to ensure the fixing and reinstallation is not delayed. There is only one surface wash pump at the plant, and time is of the essence to get the pump reinstalled as to not further impair the operation of the wastewater treatment plant.

After disassembly of the surface wash pump it was determined that there was more work required to repair the pump than listed in the scope. Below is a list of additional parts and a description of additional labor required to properly rebuild the pump.

**ADDITIONAL PARTS REQUIRED:**

\*\*\*\*\*

- (1) INTERMEDIATE BOWL BEARING
- (1) SET OF FASTENERS
- (6) COLLETS, IMPELLERS
- (1) SPYDER HOUSING
- (1) SPYDER BEARING

**ADDITIONAL LABOR REQUIRED:**

\*\*\*\*\*

MACHINE SUCTION BOWL FOR NEXT SIZE PLUG.  
SET UP IMPELLERS AND MACHINE TAPER BORES TO ESTABLISH CONCENTRICITY.  
MACHINE BOWL MOUNTING FACES TO ESTABLISH FLATNESS.  
WELD AND MACHINE NEW REGISTER ON TOP BOWL.  
MACHINE COLUMN REGISTER TO ESTABLISH CONCENTRICITY.  
REMOVE BROKEN COUPLING GUARD BOLTS IN DISCHARGE HEAD.  
WELD AND HAND BLEND ALL HOLES IN BOWLS AND RETAP BOLT HOLES AFTER WELDED  
WELD AND BLEND CRACKS IN STUFFING BOX.  
MACHINE PACKING SEAT IN STUFFING BOX.  
REMOVE BROKEN FITTING FROM STUFFING BOX.

Change Order #1 resulted in an increase of \$7,150.50. Please let me know if you have any questions.

cc: Gregg Guetschow, City Manager

M:\Memo\2017\council memo re surface wash pump change order.doc