
MEMORANDUM

TO: HAROLD SIMMONS
FROM: J. CURTIS HINDMAN
SUBJECT: MECHANICAL POND PUMP #1
DATE: 5/29/2020
CC: MAYOR, CITY COUNCIL

The SWPCP Mechanical Treatment Pond has two main pumps that transfers treated water to the Land Application holding ponds. Both of these pumps were installed in August of 2000. At time of Installation the designed flow rate of each pump was 350gpm. The current flow rates based on the flow chart provided are as follows.

PUMP #1 270gpm

PUMP #2 330gpm (Please see attached flow chart)

The flow chart graph shows a lot of inconsistency during run time on pump #1 as where pump #2 seems to flow smooth and consistent during the run time. The flow rate is indicated by additional metering at the pump location.

Pump # 1 was rebuilt in June 2017 for \$9,341.95 Then again had issues and was serviced a second time in April 2018 for 5,372.45.

Pump #1 is showing strong signs of failing again, with the history of this pump and it being 20 years old I am recommending to replace the pump and control board at this time.

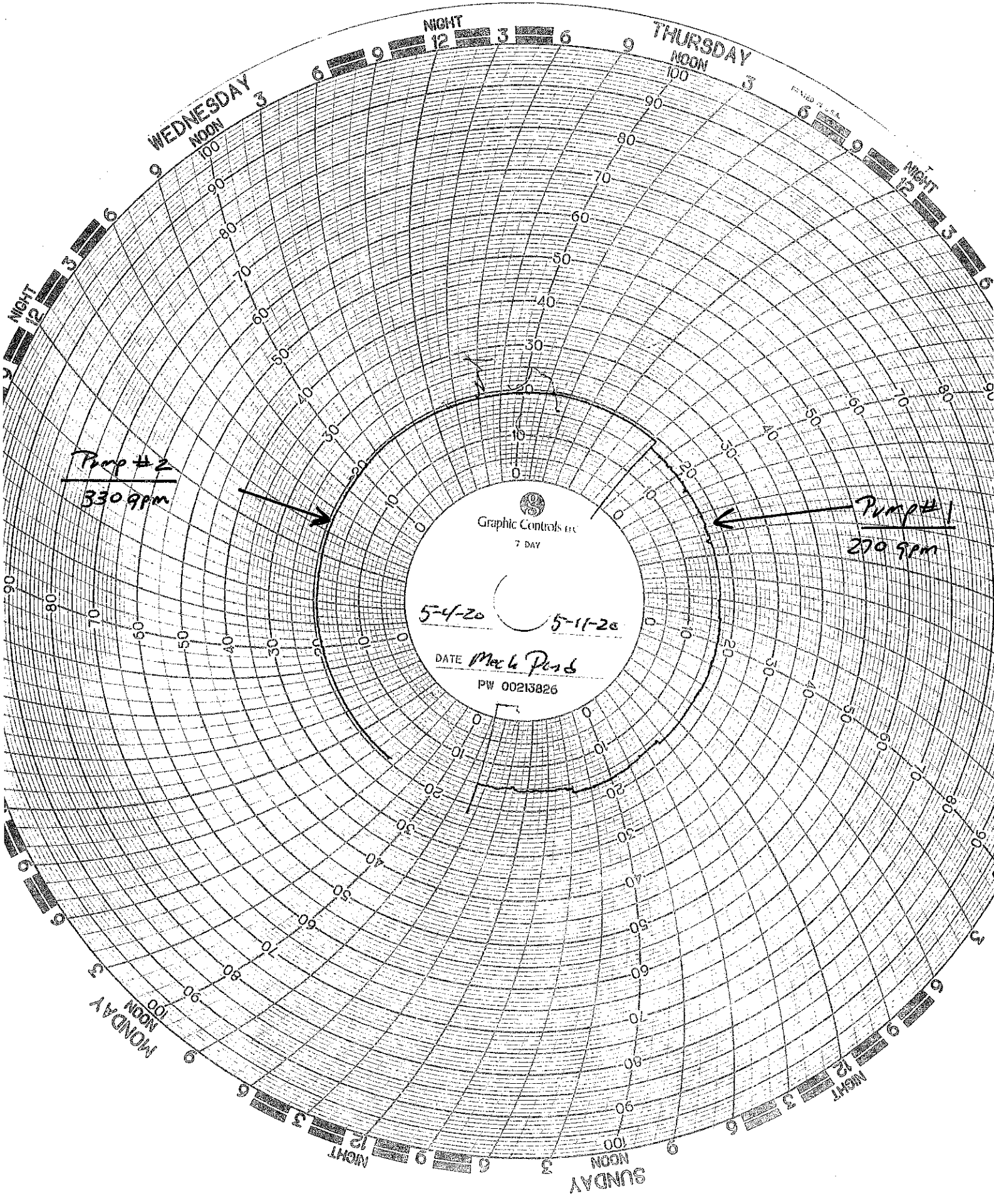
I have received a quote to complete the replacement of the pump and all parts and accessories to change from Fyght 15 HP to Goforth Williams 22.5 HP at a cost of **\$22,616.17**

Replacement of this pump is considered to be an Emergency Request due to the possibility of the system failing.

This purchase is covered in the 2020 budget and will not require a budget amendment.

Thank you for your consideration in this matter.

J. Curtis Hindman
Director Public Works



NIGHT

THURSDAY
NOON

WEDNESDAY
NOON

NIGHT

NIGHT

Graphic Controls Inc
7 DAY

5-4-20 5-11-20

DATE *Max Le Pends*
PW 00213826

Pump #2
330 9pm

Pump #1
270 9pm

MONDAY
NOON

SUNDAY
NOON

NIGHT

NIGHT

NIGHT

NIGHT