

Dawn Bartel

From: Kevin Skogman <kevin.skogman@hvmsd.org>
Sent: Tuesday, August 4, 2020 1:00 PM
To: Dawn Bartel
Subject: FW: VFD drive emergency repairs

From: Brian Helminger [mailto:brian.helminger@hvmsd.org]
Sent: Tuesday, August 4, 2020 12:09 PM
To: Dave Casper
Cc: Kevin Skogman
Subject: VFD drive emergency repairs

Dave:

Recently we've had two VFD drives fail that are mission critical that we get them repaired and our equipment back online and available.

The first was drive was for an ATAD Jet pump that pushes blower air and provides mixing for the main first stage ATAD reactor. That pump is necessary to be in service to maintain the Class A biosolids process. Kevin was able to pull an identical VFD from one of the three ATAD blowers to get ATAD restored and running as designed. Normal operation is for two ATAD blowers to run with the third as the backup. The net effect is we are running without an ATAD back up blower.

Subsequent to the VFD swap to the ATAD jet pump we've had a failure of a VFD drive for a peak flow pump leaving us short a peak flow pump. Not knowing what mother nature has in store puts us short a pump in the event there is a high flow/blending event.

Kevin has done considerable leg work and there are no available exchange drives available and we are unable to get a date as to when they may have an exchange VFD's. This isn't normally the case, but reduces our options to either repair or replace the drives. Due to an extended lead time for a replacement new unit we'd like authorization to send the drives in for priority repair of our drives. Kevin has two quotes for repairs with one coming in at \$11,600 and the other drive at \$10050 for the priority rebuilds and will lean on our vendor to repair them ASAP.

In order to save time and hasten the return of the drives, we'd like to send them out this week rather than wait until after the Commission meeting next week. Both repairs exceed the 10k threshold and so authorization to proceed is the needed before we make arrangements to send them out.

Thanks.

Brian Helminger
District Director

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