



Division of McNish Corporation

# INSTALLATION PROFILE

## Spur Gear Drives in Continuous Operation Since 1965

Installed 1965

July 2016

**Walker Process Spur Gear Drive Assemblies with proven successful and uninterrupted service for over 50 years.**

## **FLAGSTAFF, ARIZONA**

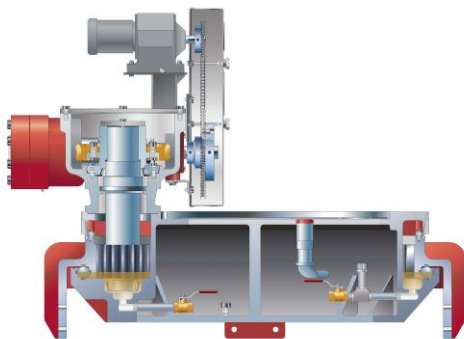
### **LAKE MARY WTP**

The City of Flagstaff treats water from Upper Lake Mary to produce drinking water. The Lake Mary Water Treatment Plant can treat up to eight million gallons of water per day. It is a conventional water treatment plant that includes coagulation, flocculation, sedimentation, filtration, and disinfection.

In 1965, Walker furnished the four (4) pier-mounted collector mechanisms for the sedimentation basins. There are two (2) sedimentation basin trains, each with two (2) flow-through collectors each 60' x 60' x 8' side water depth.

The Walker Process spur gear drive units at Flagstaff are 42" pitch diameter, have cast iron housings, ductile iron spur gears, and have replaceable race inserts and the main bearing runs in an oil bath.

Since the early 1950s all Walker Process drive units are manufactured at the Walker Process factory in Aurora, Illinois.



Walker Process drive units at the Flagstaff plant have been in continuous duty service for over 50 years. A 2016 picture of one of the 4 drive units is in the image below.



The Flagstaff installation is a testament to the durability of the Walker Process gear design and the plant staff is pleased with the operation of the Walker Process collector mechanisms that require only routine maintenance.

**Superior Design, Use of the highest grade materials and precision machining make Walker Process Drive Assemblies the most advanced available.**