

Case Study #12

- Client Category:** Municipal wastewater treatment plant accepting liquid waste from septic/greasetrap pumpers.
- Location:** Flagstaff, Arizona, U.S.A.
- Physical Plant:** A 60,000 gallon holding tank was used to reduce the FOG, BOD and TSS before entering the activated sludge treatment plant.
- Flow:** 1.4 MGD (million gallons per day)
- Existing Problems:** Two air blowers required to aerate.
Manual daily application of competitors enzymes and catalyst required significant time.
Accumulating solids in tank.
Heating to 85° F. required to keep grease from solidifying.
- Objectives:** **Use more effective product - *Custom FM*.**
Eliminate use of one aerator.
Reduce temperature below 65° F.
Reduce product costs.
Reduce FOG, BOD, TSS and sludge in tank.
- Treatment:** The recommended dosage of ***Custom FM*** was administered on a continuing basis using an automatic application system.
- Results:** Reduced FOG, BOD, TSS and sludge within tank.
Temperature reduced to 63°.
Eliminated use of one aerator.
50% decrease in energy consumption resulted an annual savings of over \$20,000.00.
Reduced product cost.
Reduced labor cost.

NO REDUCTION IN PLANT EFFICIENCY