



Debris effectively diverted from the pumps.

CITY OF SAGINAW

PROJECT-AT-A-GLANCE

Duperon® Dual Auger System eliminates clogged pumps caused by flushable wipes

SITE: *Drake Pump Station*

EQUIPMENT: *One (1) Duperon® Dual Auger System*

INSTALLED: *April 2019*

DUAL AUGER SYSTEM ELIMINATES CLOGGED PUMPS

The Drake Pump Station, located in Saginaw, Michigan experienced chronic pump maintenance due to flushable wipes. Although the dry pit pump station represented only 0.1 million gallons per day (mgd) of flow in the city's collection network, it required a substantial amount of servicing – up to three times a week. This consisted of two operators spending four hours manually removing rags in a confined space entry to clean out the clogged pump. It was a dirty, unplanned, and time-consuming task.

In partnership with the City, Duperon Corporation adapted a proven screening system for a novel application. Deployed inside a 19-inch manhole, the system uses three existing Duperon technologies to screen, compact, and transport collected debris 26 feet vertically without auger-assisted conveyance. For the duration of the testing period, the City had zero instances of clogged pumps resulting in a potential labor and maintenance savings of over \$41,000 annually.

Traditional solutions to handle flushable wipes require manual cleanouts or maintenance-intensive grinders that shred fibers to re-constitute, compromising downstream equipment. By removing non-dissolvable solids at (or near) the point they enter the collection system, the Duperon System restores systemwide integrity and resiliency... all with the simplicity and reliability that you have come to expect from Duperon innovation.



POTENTIAL COST SAVINGS

\$40,772

Annual Labor Savings

\$32.67* X 2 PEOPLE X 4 HRS EA. X 3X/WEEK X 52 WEEKS/YR

\$842

Annual Transportation Savings

10 MI. R/T TO SITE 3X/WEEK X \$0.54/MI X 52 WEEKS

\$41,614

Total Annual Maintenance Savings

ABOUT DUPERON

Duperon Corporation is the leader in innovative preliminary liquid/solids separation systems. For more than 35 years, Duperon has provided simple yet innovative solutions for a variety of screening and solids handling applications in the water and wastewater industry. Duperon technologies are designed and manufactured in Saginaw, Michigan.

