



Services

Beckman Environmental Services Co.

Water and Wastewater Services Since 1973



- Facility Rehabilitation
- Wastewater Treatment Plant Service
- Confined Space Entry
- Installation
- EBARA Warranty Center

- Pump Repair Shop
- Lab Service
- Control Systems Upgrades
- SCADA Monitoring
- Biological Grease & Odor Control

4259 Armstrong Boulevard • Batavia, Ohio 45103-1697

Facility Rehabilitation

We can extend the life of that old plant or station for much less than you might think.

Before



- Equipment Repair
- System Replacement
- Pumps and Controls
- Capacity Expansion
- Reconstruction

After



Wastewater Treatment Plant Service

- Weekly, Semi-Monthly & Monthly Contracts
- Full Time Certified Operators
- 24hr Emergency Service



1 Confined Space Entry



- Wet well Entry
- Piping and Conduit Repair
- Valve Repair or Replacement

- Site Repair and Equipment Service
- Electrical Parts Installation & Repair
- Certified Confined Space Entry Personnel

Professional and Reliable



You'll always find us doing what it takes to do our best work.

Cost effective and efficient

Installation

**We are
Dedicated to
Excellence!**



- Plants
- Pump Stations
- Tanks
- Pumps
- Valves
- Equipment
- Electrical Devices
- Grease & Odor Control



Detailed the way you want it.

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Blower Packages



BESCO installations are the smart choice because we do the job right every time.

We can install everything you need.

Giving our best to every customer means taking care of every detail...

Installation



Our work will pass the test of time



Our name is only as good as the quality of our latest work.

We're not satisfied until our customers are satisfied.

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So we do what it takes



EBARA Warranty Center

We know from our own experience that **EBARA** pumps can run for a very long time. But, eventually they will need some care and maintenance. You can count on BESCO to be there when that time comes. We're dedicated to making your EBARA ownership experience the absolute best it can be.

We repair pumps up to 145 HP!

Pump Repair Shop

Our shop is fully equipped and capable of repairing pumps of all makes and models.

Remote Service

We are ready for remote pump service when you need us.



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24 hour Emergency Service



- Oil Change
- Motor Repair
- Impellers
- Shafts
- Cables
- Seals
- Routine Maintenance
- Bearings
- VFD's and Controls

We can pick-up and deliver

Lab Services



- Suspended Solids
- Fecal/e-coli
- Ammonia
- BOD
- EPA Reports
- Effluent Quality



Control Systems Upgrades

The **Mark Series** panels are time tested and designed to offer optimal quality and cost effectiveness. Standard or custom options offer quality at a great price.

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MARK 1
Basic outdoor
control system



MARK 2
heavy duty panel
with an inner door.



MARK 3
NEMA rated
Customized
Stainless steel

The **Drive Manager** series is a torque control system built for unlocking the hidden potentials of any pump system while trimming excess power & maintenance costs.



Upgrading is Now Easier than Ever!

You probably already know how torque control is being used in electric vehicles. **Drive Manager** applies the same control technique to pump motors. As a result, the pumps are able to perform like never before.

Upgrade the old controls and you can get more life out of your existing system.

What you should know...

Drive Manager unlocks the potential of any pump or configuration

10 HP duplex



From the small to the large; using a torque control system will save energy, reduce wear and make it work better.

160 HP Quadraplex



Functionality

- A short torque boost at shut off can allow the check valves to close softly.
- An available reverse on startup option loosens debris from impellers.
- It can communicate with existing SCADA systems.
- It can control multiple pumps at once including different sizes or brands.
- It can sense & adjust for downline stations pumping into the same force main.

Features

- Transducer or float operation
- User friendly touch screen
- Compatible with major VFD brands
- Pump continually trims to system curve
- Unlimited starts per hour
- Can run 3-phase pumps from 1-phase
- Controls up to 4 pumps
- Optimum energy controller
- Flow match & save energy by using the P.I.D. mode

Drive Manager



Drive Manager also eliminates excess motor heat and reduces strain on bearings, shafts, seals and other key components therefore allowing the pump to last longer.

SCADA Monitoring

Since the 1990's, BESCO has evolved into a trusted leader at the forefront of wireless to web SCADA technology. We also offer a full monitoring service for customers who need assistance in their operations.

Grease and Odor Control



Solving a grease issue starts in an upstream manhole. This biological method feeds natural **stimulants** into the food chain of the existing bacterial colonies

already living in the gravity system. This makes them healthier and increases their metabolism. The result is that they eat more of their diet along with the bits of grease attached to that diet. Over time, everything gets cleaned.



This system can permanently solve ANY grease problem



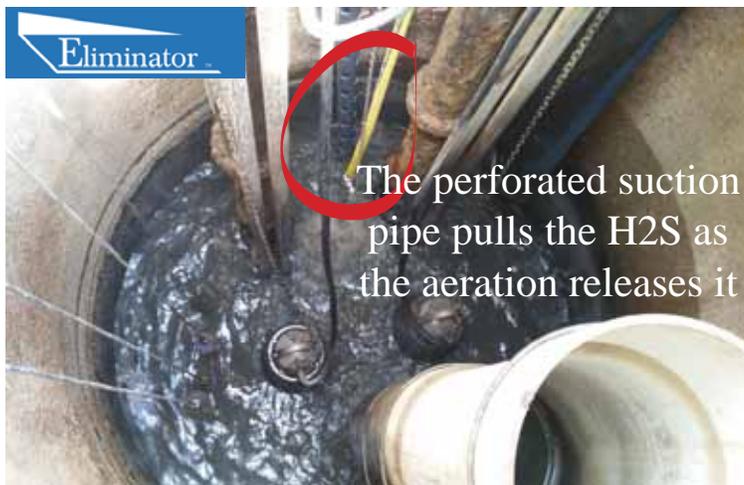
Aeration breaks up the solid grease and oxygenates the existing bacteria so they consume more.

Stations with H₂S problems use the passive vacuum filter system. It pulls gas from down at the water surface and pushes it into the filter where iron oxide neutralizes the gas.



Benefits of Eliminator Service

- Grease gets consumed
- Prevents potential “fat burgers”
- Busts up the excess solids
- Reduces excess waste sludge
- Speeds up treatment process
- Fights ammonia problems
- Reduces chemical dependency
- Reduces H₂S and corrosion
- Cleans the downstream lines
- Consumes harmful pollutants
- Separates garbage from solids
- Reduces odor complaints
- Cuts sewer operation costs



BESCO can service just refills or the whole system depending on your needs.