Introducing a Revolutionary New Turbine Aerator for Water Treatment

Turbine Aeration Unit

1. Requires no maintenance.
2. Has no internal moving parts (except motor).
3. Will not clog with most debris.
4. Aerates by thrusting air into water and not water into air.
5. Can outperform other aerators which have up to seven times the horsepower.
6. Boasts long retention time of dissolved oxygen in the water.
7. Uses as little as a 3.0-horsepower industrial grade motor.
8. Employs foam-filled, UV-resistant, high density polyethylene pontoons guaranteed not to sink.
9. Never needs to be “greased”.
10. Designed to run 24/7.
12. Operates at a very low noise level.
13. Requires much less electricity than other aerators. (as much as seven time less)
Municipal Wastewater Plant

Case Study

Seven 3-hp VaraCorp aerators were installed in a Michigan Municipal Wastewater Plant. After 60 days of trials the plant management ordered 12 more units. Eight months later they reported that the 19 units increased the dissolved oxygen levels over the previous 19 aerators.

The units that were replaced were 20-horse power each, leading to a reduction in power consumption by over half.

They also stated that because of the low initial cost of the VaraCorp units, two employees were spared from budget cuts.

Buck is the Evert, Michigan PW director. He stated that a year and a half ago they were faced with deep cuts and they needed to find away to reduce costs. They replaced 20HP surface aerators similar with 3 HP units in kind, not HP for HP. They recognized a 50% reduction in electrical costs and an increase in dissolved oxygen from 4-5 to 5-7. The city is happy with the aerator performance and they have no regrets for doing the switch.
Case Study

Lexington, Texas Municipal Wastewater Plant

Four 2-hp turbine units were installed in the Lexington, Texas Municipal Waste Treatment Plant replacing their old 5–hp technology units.

Lexington recently purchased 2 more turbine aerators

Case Study

Municipal Wastewater

A California Municipal Wastewater Plant

Two turbine units were installed on a trial basis in a lagoon that had not been aerated for years.

After two weeks of trials, they ordered two more units.
Case Study

Revolver Brewery
Dallas, Texas
Wastewater Treatment

One 3-hp turbine unit was installed by Revolver Brewery to treat its wastewater before the water was discharged into a grassy field. Recently, they ordered 6 more units to keep up with their growing business.

Case Study

Arizona Fish & Game

A high mountain lake needed aeration. The fish and game department chose turbine technology to clear up their problem.
**Case Study**

*QEP Energy Company*

**Frac Water Pit**

Four 3-hp VaraCorp turbine aerators were installed in a frac flowback pit containing 20,000,000 gallons. This water is some of the frac flowback water is some of the most contaminated water around. Within 30 days, the dissolved oxygen created by the combined total of 12 horsepower was able to create clear water down to 6 feet.

**Case Study**

VaraCorp has installed turbine aerators in several other pits and frac tanks for energy companies such as Rockwater Energy, New Field Energy, and QEP Resources.

**Steel Frac Tank Installation in Oklahoma**

VaraCorp has installed units in several other pits & frac tanks for energy companies such as New Field Energy and Continental Resources.
14 Hands Winery
California, USA

**Case Study**

14 Hands Winery installed 10 units in their waste lagoon. ClearBlu, a VaraCorp distributor, was told that the odor and BOD has reduced significantly since the installation.

Real Ale Brewery

**Case Study**

Real Ale Brewery

Installed 4 Turbine aerators on a trial basis, and then ordered four more. A year later ordered an additional four. A total of 12 aerators. Real ale is happy with the performance and power savings.
The mayor of Cordell, Oklahoma was getting several complaints about odor from the city wastewater lagoons. Following the installation by the City of four 3-hp VaraCorp aerators, the Mayor has not received one complaint. The City reported an increase in dissolved oxygen from 1-3 ppm to 7-9 ppm.

Ash Creek, Utah installed one unit on a trial basis. They have since ordered 4 more units.
The mayor of Cordell, Oklahoma was getting several complaints about odor from the city waste lagoons. Following the installation by the City of four 3-hp VaraCorp aerators, the Mayor has not received one complaint.

High odor can imply that too few aerobic bacteria are available to process the waste. A drop in odor indicates a "ramp-up" of the aerobic population sufficient to eliminate odor.

Treebank Farms has a 3 million gallon hog manure reservoir that had strong odor and manure that was too thick to irrigate. Turbine Aeration not only solved their odor problem but created a compost tea to irrigate back onto their crops. Treebank has placed an additional order for other lagoons on the farm.

Stahlbush Farms has a wastewater tank for vegetable produce. They wanted to aerate the tank and recycle the water for crop irrigation. They ordered 6 units over several months.
A few of our clients

Affordable Waste, KY*
Aquabest Seafood, FL
Austin Armature, TX****
Ambient H2O, Peru
Airfield Estates, WA
Arizona Fish & Game Dept.
Aviana, Mexico
Aryzta, Canada
Bell Wastewater Design, WA
Cassella Waste Inc., PA
City of Gunter, TX
City of Ash Creek, UT*
City of Lexington, TX**
City of Weslaco, TX
City of Evart, MI**
City of Norwalk, OH
City of Steward, AK**
City of Cordell, TX***
City of Hemet, CA
Cap May Foods, NJ**
ClearBlu Inc., CA*******
Corix Wastewater Management*
CIAM, Mexico**

Don Skaggs, TX
Dalles Fruit, WA
Danlin Oil Services, OK****
Enviropure Systems, SC****
Equipsa Enterprises, Mexico
Ekstrom Fish Farm, TX
FlexChem Inc., OK*******
FDL Operating, WY
Fextex, OR
Grupo Acuicola, Mexico
HED Environmental, TX**
Harrison Farms, NC
Heilae Development, AZ
Hall Wines, CA
Induaqua S.A.S., Mexico
KeVita Inc., CA
Linch Environmental, WY
Milk Unlimited Dairy, IA
Muckerheide, MA
Martin Farms, MO
Nabers Enterprises, TX*****
New Field Energy Inc., OK**
Oakrun Bakery, Canada*

OmniLyte Enviro, Canada***
Pond Management Inc., TX
PureStream Inc., TX**
Parducci Winery, CA
PrideChem Inc.
Patriot Coal, Canada
QEP Energy Inc., TX***
Real Ale Brewery, TX****
Revolver Brewery, TX****
Rangy Inc., FL
Rockwater Energy, UT****
Rio Resources Inc., TX**
R360 Inc., CO
Seville Farms, TX*
Stahlbush Farms, OR***
Sun Nursery Inc., FL**
TechSub Inc., FL
Taylor Brother Farms, CA
T. Bourbounnais, Canada
Valley Beef, CA
Wallbridge Mining Co., CA
14 Hands Winery, CA

There is no other aerator in its class that will
Outperform or Outlast VaraCorp’s Turbine Aerator

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