



**ADVANCE**  
ALLIANCE



**PHOENIX**  
HARVEST

Nature in a bottle

# Industrial & Municipal Waste Water Remediation

Cost effective bio-remedial agent.  
Brought to you by Advance Alliance and  
Phoenix Harvest

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# Industrial & Municipal Waste Water

- Currently one of the most important issues faced by most governments and municipalities is the effective handling of both municipal and industrial waste water.
- The major issue within waste water treatment is overloaded systems, where infrastructure has not kept up with increasing populations, placing stress on waste water treatment systems.





# How does it affect you?

- The majority of waste water treatment plants are unable to effectively treat waste water. In these environments, the pathogens within waste water thrive, contaminating both surface and ground water upon discharge, resulting in serious human and environmental hazards.
- Operators attempt to manage this with the use of filters, chlorination, and UV lighting amongst other methods - the majority of which have been found to be ineffective.

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# What do we do?

Advance Alliance presents the 100% environmentally friendly Waste Water Remediator. The most cost effective and efficient means of rapidly metabolising the pollutants of both industrial and municipal waste water into harmless proteins and amino acids.

**The resulting products will be pathogen and odor free.**

*The product is cost effective, environmentally friendly, easy to apply and harmless to humans.*

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## What do we do?

Cleaning waste water is the action of separating the water from everything else. Common pollutants include: sewage, fats, oils, greases, chemicals, heavy metals and pathogens.

While traditional means, such as filters, other bacteria and chemicals are frequently used, they are unable to perform effectively in a safe or economical way.

Ergofito cleans waste water biologically, decomposing all pollutants and organic matter into proteins and amino acids.

We are able to operate in any aerobic environment :

- In nature - such as polluted oceans, rivers, or lakes.
- Or in closed filtering systems - such as sewage or effluent treating plants - requiring only an aerated tank in which to operate.



# Advantages

- Ergofito is highly cost-effective in remediating industrial and municipal waste water, rapidly.
- By making use of our solution, you will produce active sludge that is both pathogen, and odor free.
- You will produce water and humus that can be used in agriculture.
- Ergofito is environmentally friendly, safe for human contact, and easy to apply.
- The product is far more effective than traditional means of waste water remediation.
- All pH adjusting & chlorination can cease.

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## Visible Benefits

- Phosphorus Reduction
- Nitrogen Reduction (*eliminates floating sludge problems*)
- Lower Fats, Oils and Greases
- Significant Odor Reduction
- Pathogen Reduction / Elimination
- Sludge (*Class A – Pathogen Free*)
- Eliminates Struvite Problems
- Lower Cost of Operations

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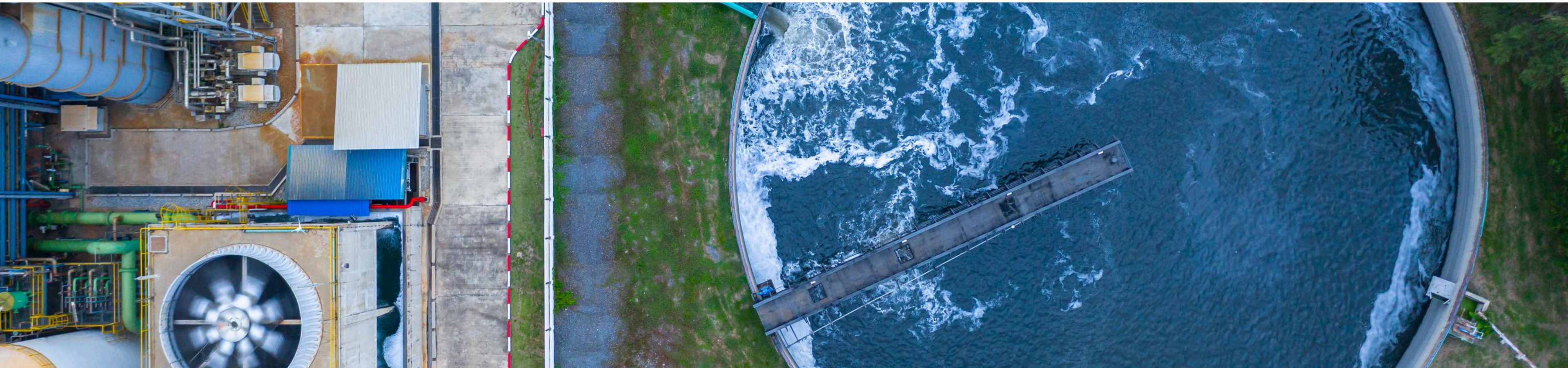
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# Tested

In a test conducted by Musa Group in waste water analysis in Saudi Arabia, H<sub>2</sub>S levels decreased from a base of 92ppm in the air, to 0ppm in the air after 3 hours.

NH<sub>3</sub> levels in air decreased from 18ppm, to 2ppm in the air after 3 hours

*In the water, levels decreased from 3.6ppm to 1.5ppm in the same 3 hour period.*





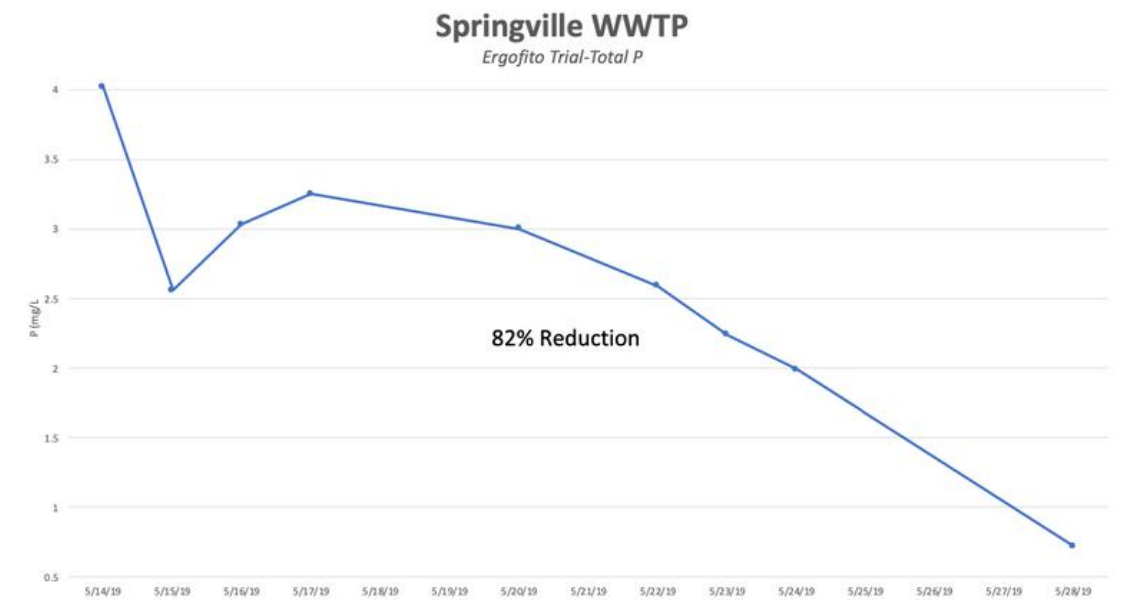
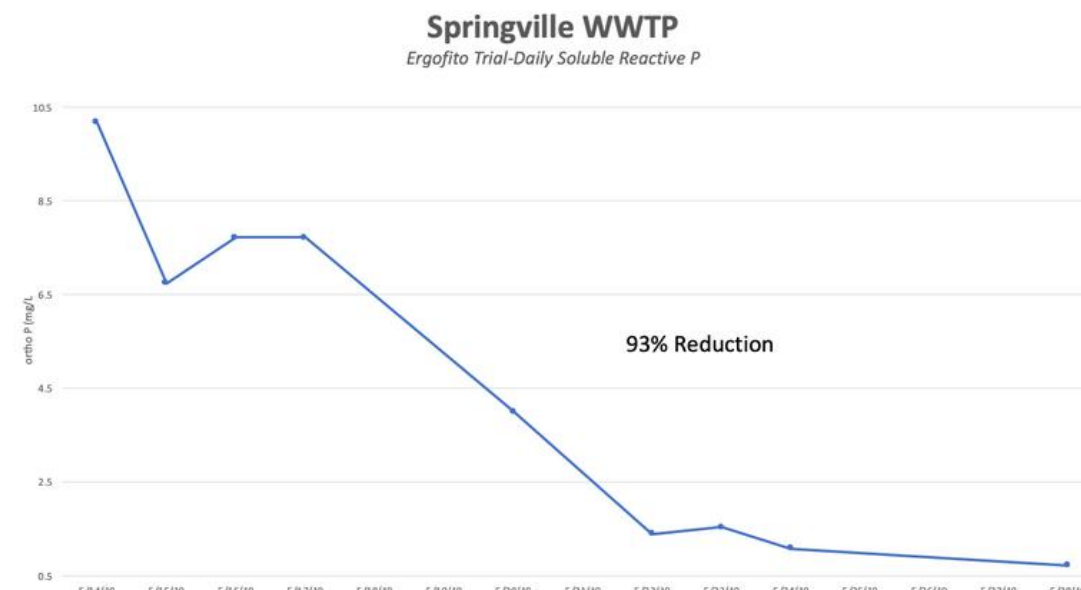
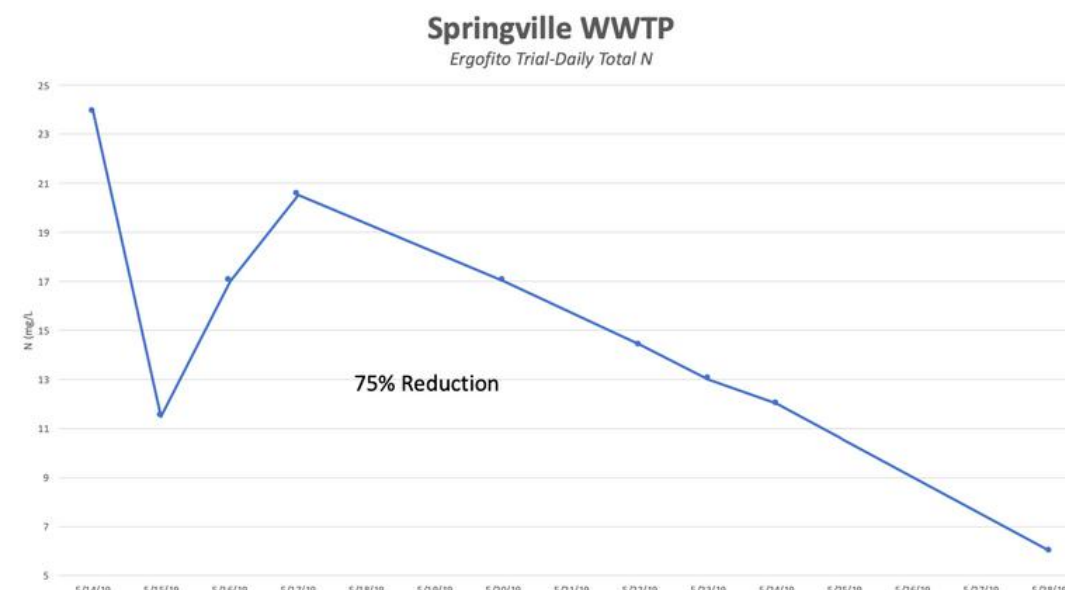


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# Tested

Results from a 2 week trial at the City of Springville (USA) Waste Water Plant:

With our solution, they are the first Waste Water Treatment Plant in the USA to be compliant with the updated nutrient standards.



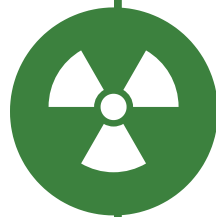
Full study reports and additional trials available on request.



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# COMPARISON OF SOLUTIONS

## TRADITIONAL / CHEMICAL TREATMENT



- Anoxic Basic
- Chemical Precipitation
- DAF
- Est. Capital Requirements: \$1.7M+
- Est. Op. Ex.: \$595K+ (for 1mg/l P)
- Est. Op. Ex.: \$ 1.6M+ (for 0.1mg/l P)

## ADVANCE ALLIANCE SOLUTION



- 42 Biological Enzymes
- 100% natural & EPA approved
- Apply directly to headworks
- No capital expenses or upgrade
- No long-term commitments
- Monthly service charge
- Meet 2020 compliance in 15 days (USA)
- Meet estimated 2025 compliance in 15 days (USA)

# Certification



✓ **South Africa**

✓ **USA**

✓ **New Zealand**

✓ **Nigeria**

✓ **Hong Kong & China**

✓ **Saudi Arabia**

✓ **Oman**

✓ **Europe**

✓ **Kuwait**



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# Contact Us

For any questions or clarifications on our presentation.

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