

# **Aqua-Klenz® Waste Water Treatment**

To be truly successful, water remediation must be thorough, fast acting and cost effective. **Aqua-Klenz®** certainly is! The significant benefits of **Aqua-Klenz®** can be briefly summarized as follows:

- ✓ **Aqua-Klenz® is biologically active**, based on proprietary macro organisms. Unlike bacteria, enzyme or any other microbe based products, **Aqua-Klenz®** organisms are relatively large (macro), aggressive and **dominant**; meaning our treatment process will eliminate all other bacteria, enzymes and microbes.
- ✓ The **by-products** or end result of our completed treatment process is carbon dioxide and water.
- ✓ **Aqua-Klenz® waste water treatment meets or exceeds all US EPA standards\*** and **quickly destroys all organic wastes**, pollutants and pathogens, including E. coli.
- ✓ **Aqua-Klenz® breaks down all organic waste**. This is the most important, all encompassing function of **Aqua-Klenz®**. Be it bio solids, nitrates, ring compounds or even long-chain hydrocarbon compounds common to pesticides, toxins, pollutants, PCB's, MTBE, H<sub>2</sub>S and other contaminants, **Aqua-Klenz®** quickly breaks down organics. There simply are no other products or processes that can accomplish the wide range of remediation of **Aqua-Klenz®**.
- ✓ **Aqua-Klenz® rapidly and substantially reduces BOD and COD**. **Aqua-Klenz®** consumes organics, making it ideal for all food waste lagoons. It also effectively eliminates undesired bacteria and algae in the water.
- ✓ **Aqua-Klenz® is non-toxic and odor free**. **Aqua-Klenz®** works so quickly, odors are usually reduced by 90+% in a matter of minutes after initial application, and waste waters stay odor free with maintenance treatments. The exception would be very large or deep bodies of water, which take longer to treat and become odor free.
- ✓ **Aqua-Klenz® can be used in stationary processes or continuous flows**. Whether in ponds or constant flow situations, **Aqua-Klenz®** can be equally effective. So effective, that only aeration may be needed to process in even the worst case lagoons, depending on the case. See the following examples.
- ✓ **Aqua-Klenz® is easy to use**. Use requires no special training, can be applied manually or automatically, by individual dose or continuous spray bar.
- ✓ **Aqua-Klenz® is cost effective**. Typically, **Aqua-Klenz®** costs less than alternative processes, while providing greater benefits. The bottom line is **Aqua-Klenz®** provides the most complete water remediation available by any process at a very competitive cost.

**Only Aqua-Klenz® offers such complete and cost effective water remediation!**

## Processing Examples:



Water treatment testing at the Los Angeles, California Municipal Water District done to measure the effectivity of *Aqua-Klenz*® to remove toxic hydrogen sulfide (H<sub>2</sub>S) from the city's drinking water source in Carson, California. One test tower was for 'control' and the other for *Aqua-Klenz*®, which initially showed over a 60% reduction in less than seven minutes in a continuous flow test. With further adjustment to succeeding tests, *Aqua-Klenz*® **achieved and maintained a 97% reduction in less than one minute!** Levels of hydrogen sulfide were not only brought into a very acceptable legal range, but no odor remained.



Waste water treatment with *Aqua-Klenz*® at a coffee plantation in Costa Rica in a lagoon of about 1.5 million gallons. Before *Aqua-Klenz*®, BOD and bacteria levels were far too high for coffee bean processing, even with aerators. *Aqua-Klenz*® reduced BOD and bacteria to negligible levels in about 24 hours, then maintained that level indefinitely during 24 hour per day coffee bean processing. Average retention time of water in the pond is about 2.5-3 hours and *Aqua-Klenz*® is added only once per day.

**Contact us by email for more information on discovering for yourself how we can help with your problem, or the business opportunities available for as a licensee of our technologies.**

\* The US Environmental Protection Agency (EPA) has issued permit number EPA 40 CFR 720,30 (b) – PCN 793 for manufacture and use.