



MICROBE-LIFT® Technology Reduced Hydrogen Sulfide Odor in Rock Quarry by a Dramatic 86%

Location: Limestone Rock Quarry

Background: A seventy-year-old rock quarry was receiving numerous complaints from local businesses concerning odors being generated by the quarry. This quarry was producing H₂S levels as high as 154 ppm. Attempts had been made to mask the odors with fragrances but the effects had been minimal at best.

Objective: Anxious for a solution, the management agreed to test the efficacy of **MICROBE-LIFT®** technology, **Ecological Laboratories, Inc.** developed a test protocol that recommended dosing product into the second retention basin, a pond with a capacity of 25,000 gallons and daily flow rate of approximately 500,000 gallons per day. The basin was initially charged with a 25-gallon shock dose of **MICROBE-LIFT®** formulation. A metering pump was then installed and a daily application rate of 25 gallons per day was applied.

Results Achieved: Within 24 hours of the initial application of **MICROBE-LIFT®**, the H₂S levels were reduced from 154 ppm to 22 ppm for a dramatic 86% reduction. The complaints from local businesses ceased. Pleased with the efficacy of **MICROBE-LIFT®**, the quarry management continues to apply **MICROBE-LIFT®** on a daily basis.



For more information on **MICROBE-LIFT®** Technology contact
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