



Zoo Pond Cleaning

Pond Suspended Solids Reduction using MICROCAT® - AL₃ Pond and Lake Cleaner - BSE083



Before

Problem

Solids had grown rapidly to clog and mar the appearance of a pond in a world famous EU zoo. Rapid pond cleaning was required to prepare for the visit of important dignitaries to the zoo's 150th anniversary celebration.

Product Used

MICROCAT® - AL₃ Pond and Lake Cleaner

Pond Dimensions

Depth: 1.8 meters, Width: 5 meters, Length: 170 meters, Total volume 765 cubic meters (202,000 gallons)

Product Application and Water Testing Results

The solids were examined to ascertain their nature. Test kits were used to determine the water chemistry. MICROCAT® – AL Pond and Lake Cleaner was applied as follows:

Day 1 and 2: 2.2 kg/day (4.8 lbs/day), Day 15: 1.1 kg/day (2.4 lbs/day), Preventive application 0.650 kg/day (1.4 lbs/day) on sunny days

Initial Ammonia nitrogen – 2 mg/l (approximate)

Initial Nitrate – 44 mg/l

Initial Phosphate - < 1 mg/l

Groundwater containing significant iron concentrations.

Results



after 15 days

By day 15 of the MICROCAT® application program, the solids in the pond had disappeared from the surface of the pond and the water was clear. See the photos above.

MICROCAT® – AL3 Pond and Lake Cleaner rapidly clarified the pond of surface and suspended solids in preparation for the important anniversary celebration at the zoo. The product was environmentally-sound, easy to apply and very economical, compared to the alternative treatments considered.

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