



Double B Foods

Double B is a manufacturer of sausage and other meat products. Plant #3 is located in Weimar, Texas, and operates five days per week, nine hours a day. The plant has one grease pond with a 4.5 million gallon capacity and a second pond with a 4 million gallon capacity. Water flows from the grease pond into the second pond, then on to irrigate hay fields. The plant handles 35,000 gallons of water flow per day with an extensive retention time.

The primary concern at Double B was the sludge build-up of four feet at the bottom of the grease pond. Increased production was causing the grease pond to fill more quickly than planned. There was also a severe odor problem.

An initial shock dose using Mega-Bac X bacterial products was poured into the middle and along all sides of the pond. Monthly maintenance dosages of product were distributed around the perimeter of the pond.

After ten days of the initial treatment, the foul odors were controlled. Within sixty days the 1.5 inch thick grease cap covering the entire surface area of the grease pond decreased to 1/4 inch. Furthermore, sludge on the bottom of the grease pond was reduced by 36 inches by day 77 and another five inches by day 104, with a total overall reduction of 90% (note graph). Total cost for the first six months of treatment was approximately 85% less than the alternative treatment of dredging or creating an additional pond.

