



CASE STUDY

Application:

- **Waste Water Treatment Lagoon – Michigan**
- **Village Lagoons had not been Cleaned in 35 Years**
- **Estimated 3,000,000 Gallons of Anaerobic Sludge**

Material:

- Anaerobically Digested WWTP Sludge
- 2 - 6% Solids

Problems:

- Sludge build up in the Primary Lagoon was transferring to the polishing lagoon and threatened to cause noncompliant discharges and DEQ fines
- Residents were concerned about Odors and Noise of Operations
- The Village wanted a Solution that was Turn Key and could be Implemented Quickly

Solution:

Contract Dewatering from Bright Technologies

- 2.2 Meter Skid Mounted Belt Press, Sludge Grinder, Dredge and Mixing Tank.
- Bright Technologies handled all lab testing, transportation and disposal.
- Bright analyzed the site and developed a plan for proper equipment and placement that minimized noise and odors.

Statistics

- Only one month required from setup to completion
- The Sludge was typically Dewatered at over 300 Gallons Per Minute
- Cake Solids ranged from 18 – 30%
- Most Residents Were Not Even Aware of the Dewatering Operations

Results:

- **Job Completed On Time and Under Budget**
- **Noncompliant Discharges (and Fines) Avoided**
- **The Village Saved Over \$50,000 Compared to a Comparable Competitive Bid**