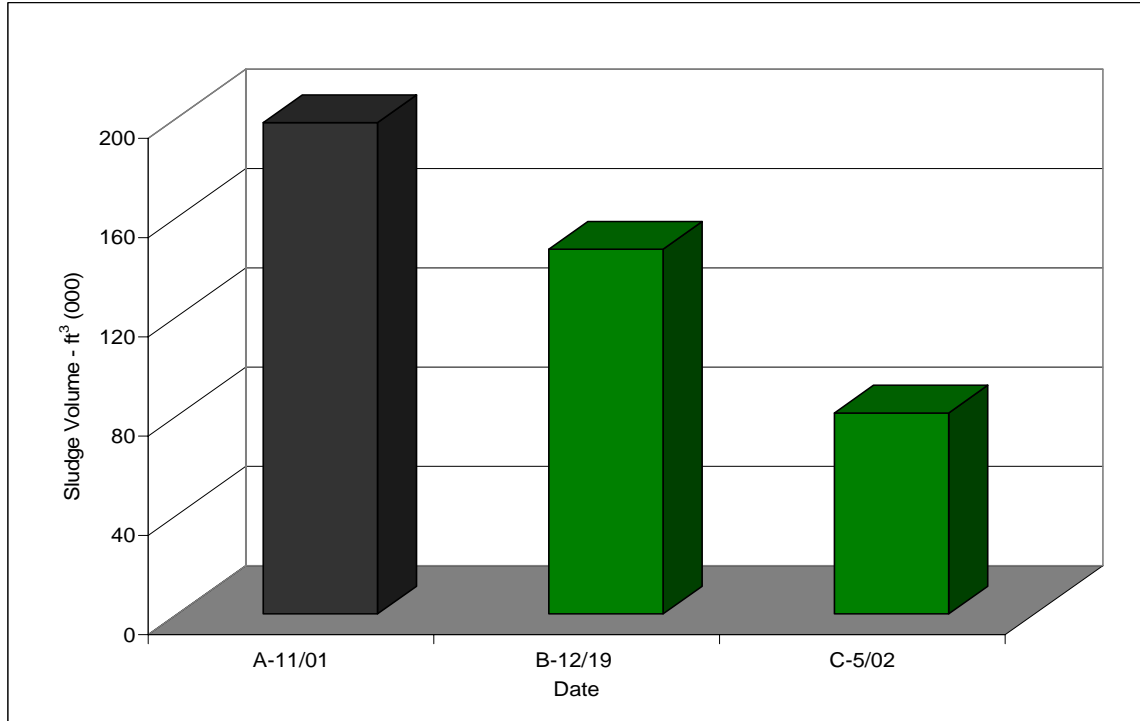


Archaea & Biological Dredging

(Removing Accumulated Sludge)



Archaea bio-systems caused removal of over 50% of accumulated sludge in a midwestern city's sludge storage and digestion lagoon. This occurred over a six-month period.

Sludge judge measurement indicated the lagoon was 40% filled before treatment started. The sludge mass was reduced over 53% during the six months; recovering almost 25% of the lagoon's designed capacity.

Other significant observations include:

- ✓ The cost of Archaea driven biological dredging was less than one-third that of mechanical dredging.
- ✓ The lagoon was not taken out of operation during this work, as it would have been with mechanical dredging.

This work has been accomplished in both lagoons and tank sludge digesters with equal efficacy. The time required for biological dredging can be controlled. Most recent work has been scheduled for six weeks duration.