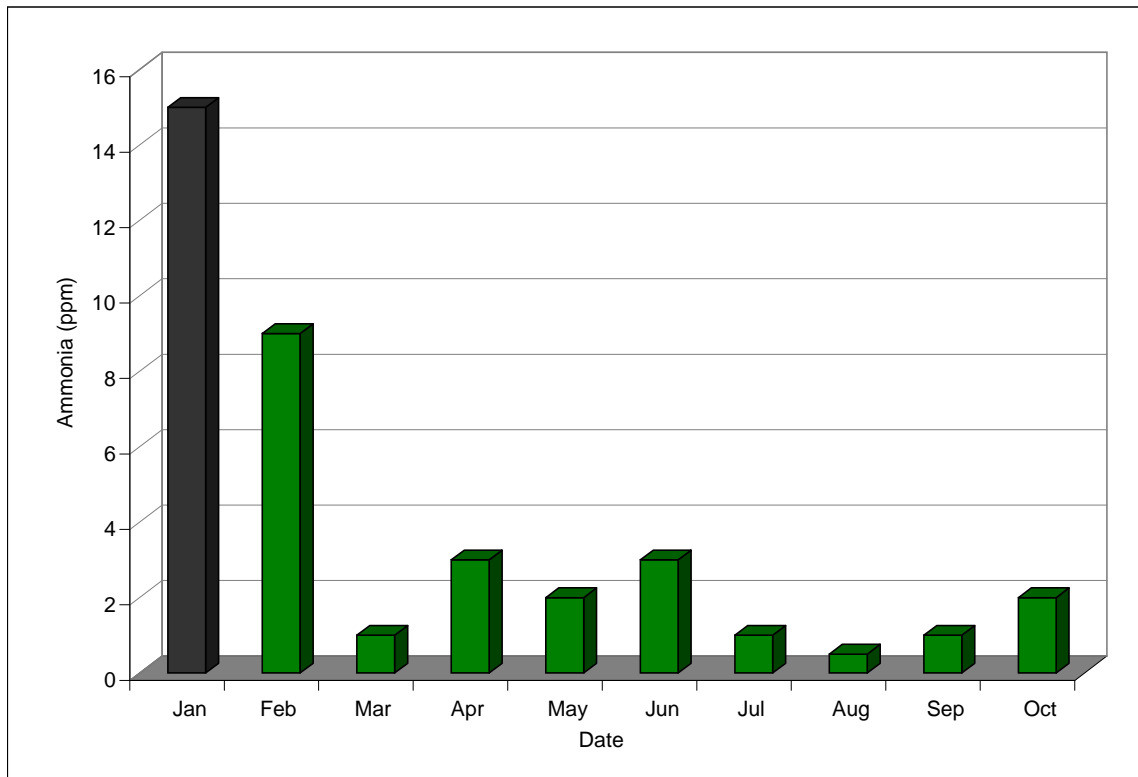


Arkea® & Ammonia Removal



The data charted above shows Arkea® media, working with indigenous bacteria, can effectively manage ammonia in domestic sewage plants. The data are taken from an oxidation pond treatment plant (1.5 MGD). Samples were taken weekly. The above data are monthly means.

Similar results have been noted in a variety of municipal and domestic wastewater treatment plants. In addition to ammonia reduction, total nitrogen is also effectively managed.

Of importance:

- ✓ The kinetics of ammonia breakdown have been established.
- ✓ Dosing equations have been calculated based on incoming BOD and ammonia levels.
- ✓ This allows engineering of the process.