Major upgrade in 2010, including aeration basin with additional Anox mixers and diffused air aeration.

Since installation these suffered from build-up of rags on blades, which caused mechanical stress to the mounts, gearbox and bearings as well as increased energy consumption.

The resultant ‘wobble’ of motor and gearbox caused significant damage to concrete base (see picture above).

DERAGGER™ anti-ragging device installed on one Anox mixer as part of a 3-part trial.

A vibration meter was attached to each mixer to evaluate deflection and vibration.

DERAGGER™ proved to greatly reduce Vibration, Current Consumption and Energy usage.

- Vibration reduced by: 62%
- Current reduced by: 38%
- Energy costs reduced by: 38%

Estimated annual energy savings: Over $47,000