

DAIRY TRIALS Diary (SMc)

Location: Trial Site 2

Date: 12/09/06

Attended: Shane Mckibbin & Chris

Scope: Water Tests, temp and sludge.

Water Tests: Took “fresh” tests from drain inlet at pond bank. Took “treated” test via irrigation pick up located near airstones.

Air Temp: 28 deg C (9:00am)

Water Temp: Average water temp of 22 Deg C (9:15am)

Water Level: 300mm below Orange string line. (Tag No.2)

Sludge depth: Probing with pole around banks showed very little resistance and pole sank to bottom without any force which was much different to last fortnight. Bottom activity was happening from anaerobic activity with sludge bubbles rising to surface. Peter commented that after last pump out he noticed a significant reduction of sludge in pond especially at inflow area.

Sludge Surface: Definite decrease in sludge on surface (see photos Pre Installation



Week 4 12/9/06



Farmers Comments

Able to pump down 18 inches without any blockage problems. Pump ran for 27 hours normally cuts out overnight from blockages. Straw and grass doesn't seem to be in the surface layers anymore as no sludge to hold it there.

Airbourne odour has reduced significantly. Odour on hands after working on the pump is now only minor.

Bubbles from airstones are much finer now and not so sludgy waste water coming to surface as when first installed.

NASAL RANGER READINGS

Considerable reduction in Odour , airbourne and in water.

Wind: W

Wind Speed: 5-10 knots

