

BAYITH REST HOME – 18-20 BEVAN ROAD – WATERLOOVILLE – PO8 9QH.

NUTRIENT BUDGET.

STAGE 1. Nitrogen Load from Wastewater.

New Residents [A]	2.00	People.
Waste Water Generation [B=A x 110 litres/day]	220.00	l/day.
Budds Farm WWTW Environmental Permit Limit [C]	9.70	mg/l TN.
Total Nitrogen[TN]Discharged After Treatment [D= B x [C x 90%-2mg]	1480.60	mg/TN/day.
Total [E= D/10000000 x 365 days]	.54	kg/TN/year.

STAGE 2. Nitrogen Load from Current Land Use.

Land to be Developed [F]	0.00	ha.
Existing Use [G] Urban Area	0.08	kg/ha/year.
Total [H= F x G]	0.00	kg/TN/year.

STAGE 3. Nitrogen Load from Future Land Use.

New Urban Area [I]	0.00	ha.
Leaching from Urban Area [J= I x 0.08 kg/ha]	0.00	kg/TN/year.
New Open Space [K]	0.00	ha.
Leaching from Open Space [L= K x 5.0 kg/ha]	0.00	kg/TN/year.
New Community Food Growing Provision [M]	0.00	ha.
Leaching from Community Food Growing Provision [N= M x 26.9 kg/ha]	0.00	kg/TN/year.
Total [O= J+ L + N]	0.00	kg/TN/year.

STAGE 4. Budget.

Stage 1 – Nitrogen Load from Wastewater [E]	0.54	kg/TN/year.
Stage 2 – Nitrogen Load from Current Land Use [H]	0.00	kg/TN/year.
Stage 3 – Nitrogen Load from Future Land Use [O]	0.00	kg/TN/year.
Total Future [P= E + O]	0.54	kg/TN/year.
Total Change [P-H]	0.54	kg/TN/year.
20% Buffer on Total Change [[P-H] x 20%]	0.11	kg/TN/year.
Total including Buffer [P-H+ 20% Buffer]	0.65	kg/TN/year.