

Development site details

Date (dd/mm/yyyy):	11/10/2022
Site Name:	Land at Forty Acre Farm
Planning Application number:	APP/20/00510
Site Address:	Land at Forty Acre Farm, Havant Road, Havant, Bedhampton, PO9 3LW

Stage 1

User Inputs

Date of first occupancy:	01/04/2023
Average occupancy rate:	1.00
Water usage (litres/person/day):	110
Development Proposal (dwellings/units):	71
Include deductible acceptable loading?	Yes
Wastewater treatment works:	Budds Farm WwTW
Wastewater treatment works N permit (mg TN/litre):	7.7

Stage 1 Calculated Loading

Stage 1 Nutrient Loading

Additional population	71	people
Wastewater by development	7810	litres/day
Annual wastewater TN load	19.77	kg TN/yr

Stage 2

User Inputs

Catchment:	East Hampshire Rivers
Soil drainage type:	Naturally wet
Annual average rainfall (mm):	750.1 - 800
Within Nitrate Vulnerable Zone (NVZ):	Yes

Existing land use type(s)	Area (ha)	Annual nitrogen nutrient export (kg TN)
Horticulture	0.55	8.51
Total:	0.55	8.51

Stage 3

User Inputs

New land use type(s)	Area (ha)	Annual nitrogen nutrient export (kg TN)
Residential urban land	0.55	7.95
Total:		0.55
		7.95

Stage 4

Calculated Outputs

Annual Nutrient Budget

The total annual nitrogen load
to mitigate is:

23.05 kg TN/year

