

Development site details

Date (dd/mm/yyyy):

04/08/2023

Site Name:

Harbour Place Care Home

Planning Application number:

APP/22/00818

Site Address:

Harbour Place, Bedhampton

Stage 1

User Inputs

Date of first occupancy:	
Average occupancy rate:	1.00
Water usage (litres/person/day):	120
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	8520	litres/day
Annual wastewater TN load	21.57	kg TN/yr

Stage 2

User Inputs

Catchment:	East Hampshire Rivers
Soil drainage type:	Naturally wet
Annual average rainfall (mm):	700.1 - 750
Within Nitrate Vulnerable Zone (NVZ):	Yes

Existing land use type(s)	Area (ha)	Annual nitrogen nutrient export (kg TN)
Cereals	0.58	12.48
Total:	0.58	12.48

Stage 3

User Inputs

New land use type(s)	Area (ha)	Annual nitrogen nutrient export (kg TN)
Residential urban land	0.58	7.84
Total:		0.58
		7.84

Stage 4

Calculated Outputs

Annual Nutrient Budget

The total annual nitrogen load
to mitigate is:

20.31 kg TN/year