

Development site details

Date (dd/mm/yyyy):

25/05/2023

Site Name:

Blue Star Land

Planning Application number:

Site Address:

Blue Star Land, west of Maurepas Way, Waterloooville

Stage 1

User Inputs

Date of first occupancy:	01/06/2024
Average occupancy rate:	1.81
Water usage (litres/person/day):	120
Development Proposal (dwellings/units):	90
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	162.9	people
Wastewater by development	19548	litres/day
Annual wastewater TN load	49.48	kg TN/yr

Stage 2

User Inputs

Catchment:	East Hampshire Rivers
Soil drainage type:	Impeded drainage
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)
Open urban land	1.76	14.99
Residential urban land	0.20	2.89
Total:	1.96	17.88

Stage 3

User Inputs

New land use type(s)	Area (ha)	Annual nitrogen nutrient export (kg TN)
Residential urban land	1.18	17.05
Greenspace	0.78	2.34
Total:		19.39

Select post-development land use types from the drop down list.

Stage 4

Calculated Outputs

Annual Nutrient Budget

The total annual nitrogen load to mitigate is:

61.19 kg TN/year