

Nutrient Calculator

STAGE 1

Water infrastructure information			
Description of required information	Data entry column - user inputs required	Additional data entry column - user inputs may be required	
Date of first occupancy (dd/mm/yyyy):	01/01/2025		
Average occupancy rate (people/dwelling or people/unit):	1.40		
Water usage (litres/person/day):	120		
Development proposal (dwellings/units):	2		
Include deductible acceptable loading?	Yes		
Wastewater treatment works:	Budds Farm WwTW		
Current wastewater treatment works N permit (mg TN/litre):	7.70		
Not applicable	Not applicable		
Not applicable	Not applicable		
Final calculation of nutrient load from wastewater			
Description of values generated	Values generated		
Wastewater nutrient loading			
Additional population (people):	2.80		
Wastewater by development (litres/day):	336.00		
Annual wastewater TN load (kg TN/yr):	0.85		
Not applicable			
Not applicable	Not applicable		
Not applicable			
Not applicable	Not applicable		

STAGE 2

Current land use information			
Description of required information	Data entry column - user inputs required		
Operational catchment:	East Hampshire Rivers		
Soil drainage type:	Naturally wet		
Annual average rainfall (mm):	675.1 - 700		
Within nitrate vulnerable zone (NVZ):	Yes		
Current land uses			
Existing land use type(s) - user inputs required	Area (ha) - user inputs required	Annual nitrogen nutrient export (kg TN/yr)	Notes on data
Residential urban land	0.07	0.93	Not applicable

STAGE 3

Future land uses		
New land use type(s) - user inputs required	Area (ha) - user inputs required	Annual nitrogen nutrient export (kg TN/yr)
Residential urban land	0.07	0.90

STAGE 4

Total nutrient budget calculations	
Description of values generated	Values generated
Wastewater TN load (kg TN/year):	0.85
Net land use TN change (kg TN/year):	-0.04
TN budget:	0.81
TN budget + 20% buffer:	0.98
Annual nutrient budget	
The total annual nitrogen load to mitigate is (kg TN/yr):	0.98
Not applicable	
Not applicable	Not applicable
Not applicable	
Not applicable	Not applicable