

Development site details

Date (dd/mm/yyyy):	09/01/2024
Site Name:	Outline application for 1No. Dwelling at Templemore
Planning Application number:	HPK/2022/0022
Site Address:	Land at Templemore, Harpur Hill Road, Buxton SK17 9NA

Stage 1

User Inputs

Date of first occupancy:	01/01/2025	
Average occupancy rate:	2.40	
Water usage (litres/person/day):	120	
Development Proposal (dwellings/units):	1	
Wastewater treatment works:	Package Treatment Plant user defined	
Wastewater treatment works P permit (mg TP/litre):	Please enter value in cell to the right:	0.3
Wastewater treatment works N permit (mg TN/litre):	Please enter value in cell to the right:	17.9

Stage 1 Calculated Loading

Additional population	2.4	people
Wastewater by development	288	litres/day
Annual wastewater TP load	0.03	kg TP/yr
Annual wastewater TN load	1.88	kg TN/yr

Stage 2

User Inputs

Catchment:	Derwent Upper Derbyshire
Soil drainage type:	Freely draining
Annual average rainfall (mm):	1,400.1 - 1,600
Within Nitrate Vulnerable Zone (NVZ):	No

Existing land use type(s)	Area (ha)	Annual phosphorus nutrient export (kg TP)	Annual nitrogen nutrient export (kg TN)
Residential urban land	0.06	0.19	1.73
Total:	0.062	0.19	1.73

Stage 3

User Inputs

New land use type(s)	Area (ha)	Annual phosphorus nutrient export (kg TP)	Annual nitrogen nutrient export (kg TN)
Residential urban land	0.06	0.19	1.73
Total:	0.062	0.19	1.73

Stage 4

Calculated Outputs

The total annual phosphorus load to mitigate is:

0.04 kg TP/year

The total annual nitrogen load to mitigate is:

2.26 kg TN/year