

Foul Discharge Design

Project Ref: 285

Project: Lower Farm Barns

Date: 14/12/2023

Source of Waste					Flow Litre / Day		BOD Grams / Day		NH3	
Description	No of units	No of bedrooms	Max Occupancy	Total	Per Head	Total	Per Head	Total	Per Head	Total
No 1	1	3.5	7	7	150	1050	60	420	8	56
No 2	1	3	6	6	150	900	60	360	8	48
No 3	1	2.5	5	5	150	750	60	300	8	40
No 4	1	2	4	4	150	600	60	240	8	32
No 5	1	2.5	5	5	150	750	60	300	8	40
TOTAL LOAD			27	27		4050		1620		216
m3/day						4.05				
Average Daily Flow (l/s)						0.05				
Peak Flow						0.28				

Surface water is to be excluded from the foul drainage network
Grease Trap - Not provided in this situation

Effluent Quality Requested		tbv by NRW	tbv by NRW	tbv by NRW
----------------------------	--	------------	------------	------------

Proposed waste water treatment plant reference

Effluent Quality Provided		20mg/l BOD	30 mg/l SS	20 mg/l NH3 N
---------------------------	--	------------	------------	---------------