



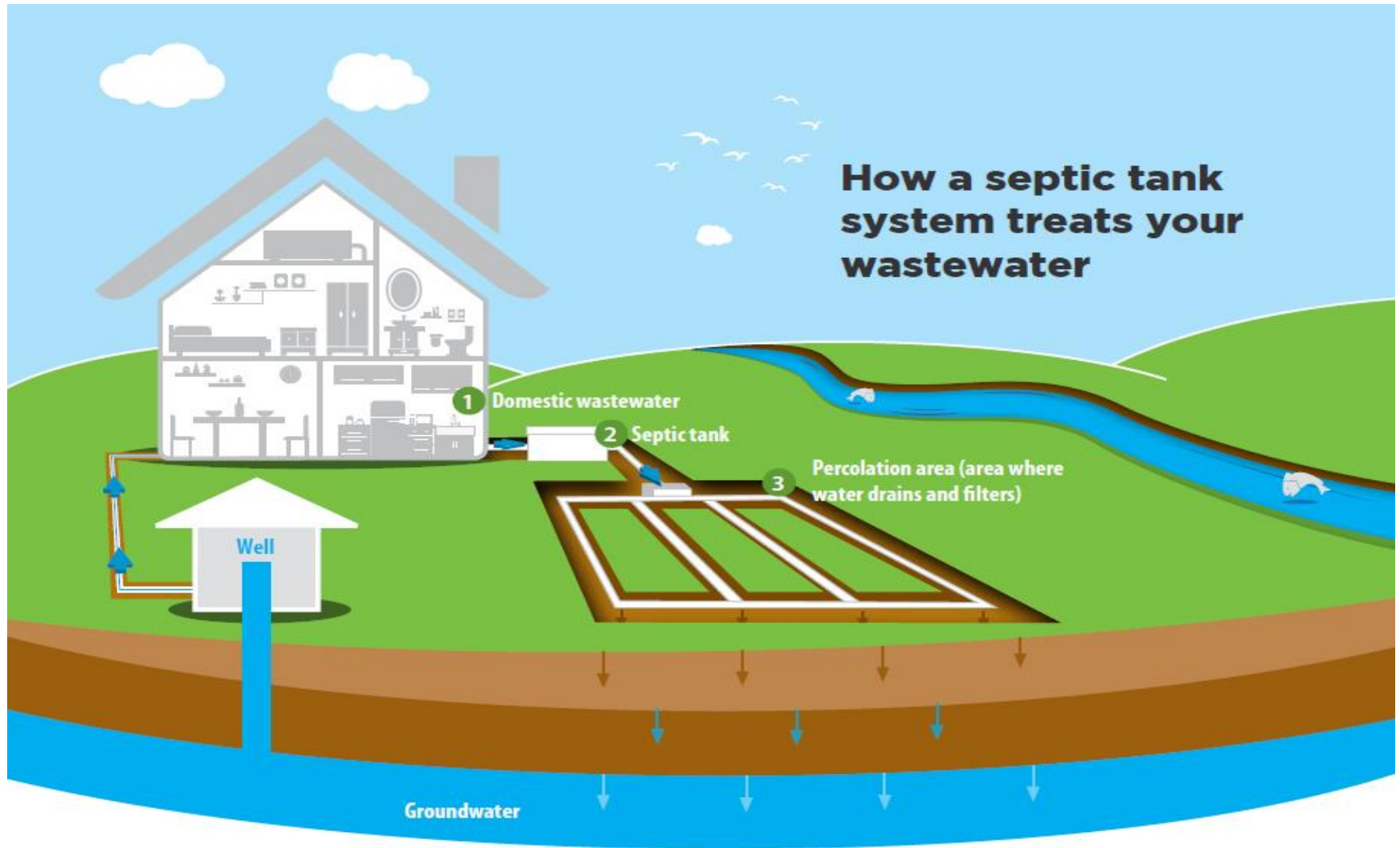
Comhairle Contae Dhún na nGall Donegal County Council

Domestic Waste Water Treatment Systems
(Septic Tank)

EPA National Inspection Plan



How Septic Tank Treats your Waste Water



118 DWWTS Inspections 2021

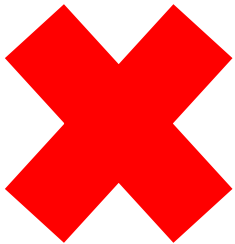


➤ Within Donegal 118 Domestic wastewater treatment System Inspections were carried out during 2021 as part of the EPA National Inspection Plan.



Common Causes of Inspection Failure

- Direct discharge of effluent to waters
- Leak from pipework
- Surface ponding of effluent
- Failure to maintain system (Desludging)
- Grey water to surface water drainage system
- Roof or surface water being directed to treatment system
- Poor condition of manholes or tank lids



Failure – Direct Discharge to Waters



Failure – Direct Discharge to Surface Water Drain



Failure – Leaks from Pipework



Failure – Surface Ponding of Effluent



Failure – Surface Ponding of Effluent



Failure – Misconnection of Grey Water from Dishwater to Roof Water/Surface Water Drainage



Failure – Poor Condition of Septic Tank Lids



Failure – Poor Condition of Maintenance Chamber



Failure – Poor Condition of Tank/Lack of Maintenance



Failure – Rain Water/Clean Water entering Septic tank System



Failure – Lack of Desludging



Table 12.2: De-sludging frequency (1 to 5 years) for various sizes of tank and Number of house occupants

Tank useable volume (m ³)	Number of house occupants						
	2	3	4	5	6	7	8
2.5	5	3	2	1	1	1	1
3	5	3	2	2	1	1	1
3.5	5	4	3	2	2	1	1
4	5	5	3	3	2	2	1
4.5	5	5	4	3	2	2	2
5	5	5	5	3	3	2	2
5.5	5	5	5	4	3	2	2
6	5	5	5	5	3	3	2



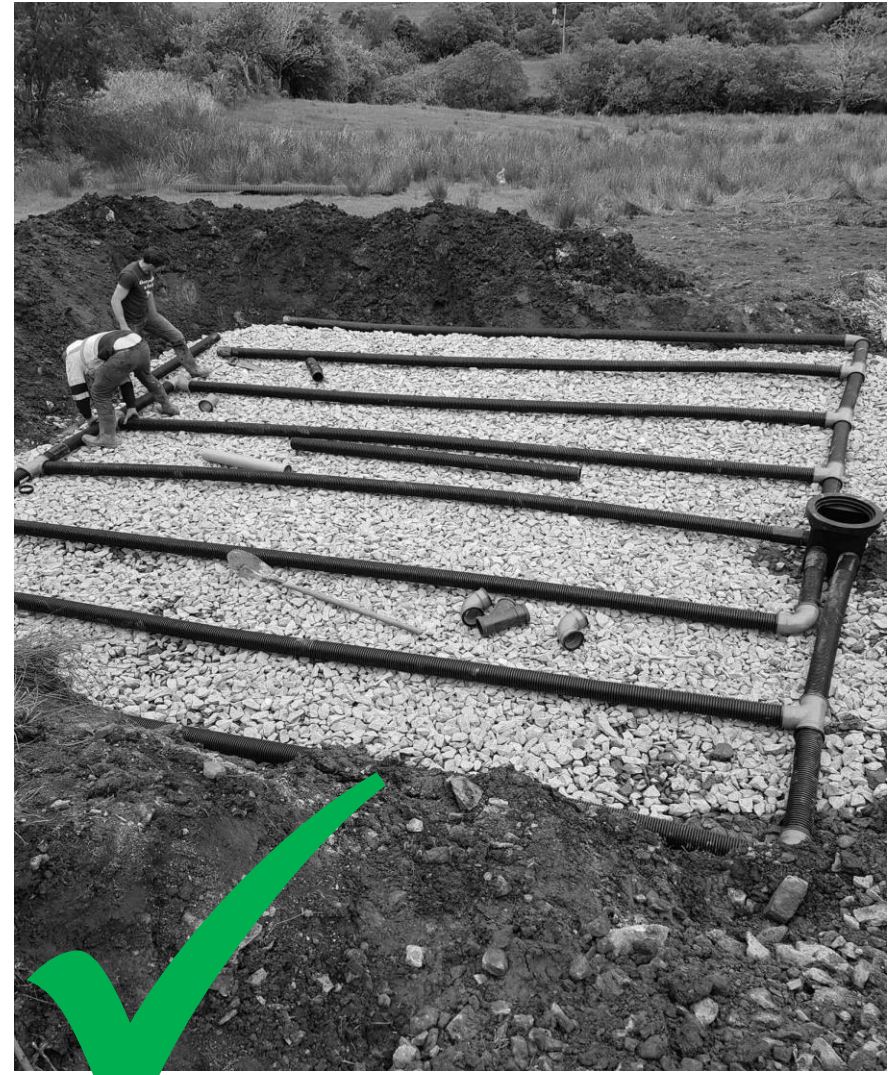
Pass –Septic Tank and Percolation Area



Pass –Septic Tank and Percolation Area



Pass –Septic Tank and Percolation Area



Pass – Separation of Rain Water (black Pipes) Foul Water (Orange Pipes)





**Comhairle Contae
Dhún na nGall**
Donegal County Council

Go Raibh Maith Agat