



# COASTAL

**Wastewater Specialists**

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## SETBACK DISTANCES

One of the most important parameters to consider in the location of Land Application Areas is the separation distances, both vertical and horizontal (Queensland Plumbing & Wastewater Code).

### Surface Horizontal Separation Distance Requirements

Feature	Primary	Secondary	Advanced Secondary
Permanent watercourses (lake/stream/river)	50m	30m	10m
Intermittent watercourses (dams/channels/road drains/weirs)	50m	30m	10m
Bore (human and or domestic consumption)	50m	30m	10m
Easement boundary for an unlined open stormwater channel	50m	30m	10m

Setback distances for **sub-surface and covered surface land application area** for a grey water treatment plant or an on-site sewage treatment plant

Feature	Horizontal Separation Distance (metres)		
	Up slope	Down slope	Level
Distance from the edge of trench/bed excavation or subsurface irrigation distribution pipework to the nearest point of the feature			
Property boundaries, pedestrian paths, footings of buildings, walkways, recreation areas, retaining wall footings.	2	4	2
In ground swimming pools	6	6	6
In ground potable water tank	6*	6*	6*

\* Note: For Primary effluent, the distance from an in-ground potable water tank must be 15 metres.

Setback distances for **surface irrigated land application area** (above ground) for a grey water treatment plant or an on-site sewage treatment plant

Feature	Horizontal Separation Distance (metres)
Property boundaries, pedestrian paths and walkways	2
Water edge of a swimming pool	6
Dwellings, recreation areas	10*

These separation distances are based on a **spray plume** with a diameter not exceeding 1m or a plume height not exceeding 0.3m above the finished surface level. Distances are given in metres from the edge of the irrigated wetted area to any point of the feature.

### Vertical Separation Distance Requirements

Depth of unsaturated soil to	Primary	Secondary	Advanced Secondary
Permanent water table	1.2m	0.6m	0.3m
Bedrock	1.2m	0.6m	0.3m

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