

Project: Site address		AS1547:2012 Table R1 and R2 Buffer Distance Justification										
Site Feature	Site Constraint Items of Concern	Constraint Scale			Applicable Constraint	Risk Assessment	Risk Assessment			Risk Rating		
		Low Constraint	High Constraint	High Constraint			Low (1)	Moderate (2)	High (3)			
Surface Water 15m (low) - 100m (high)	Microbial Quality of Effluent	Secondary treated effluent (with disinfection) and Contractual Service Agreement	Primary treated effluent (no disinfection)	Primary treated effluent (no disinfection)	Primary treated effluent (no disinfection)	High	✓	1	0	0	0	0
	Surface Water	Category 1 to 3 soils no surface water down gradient within 100m; low rainfall area	Category 4 to 6 soils permanent surface water <50m down gradient; high rainfall; high resource / environmental value	Category 4 soil: proposed LAA <40m from downgradient intermittent drainage line; moderate rainfall area (~1,030mm pa)	Category 4 soil: proposed LAA <40m from downgradient intermittent drainage line; moderate rainfall area (~1,030mm pa)	High		0	✓	2	0	0
	Slope	0-6% (surface effluent application), 0 -10% (subsurface effluent application)	>10% (surface effluent application), >30% subsurface effluent application	Slope 2-12% in LAA; subsurface (absorption system) effluent land application method	Slope 2-12% in LAA; subsurface (absorption system) effluent land application method	Moderate	✓	1	0	0	0	0
	Position of Land Application Area in Landscape	Downgradient of surface water, property boundary, recreational area	Upgradient of surface water, property boundary, recreational area	Proposed LAA upgradient of surface water	Proposed LAA upgradient of surface water	Moderate		0		0	✓	3
	Drainage	Category 1 to 2 soils; gently sloping area	Category 6 soils; sites with visible seepage; moisture tolerant vegetation; low lying area	Category 4 soils in an elevated, sloping landscape with good drainage observed within LAA	Category 4 soils in an elevated, sloping landscape with good drainage observed within LAA	Moderate		0		0	✓	3
	Flood Potential	Above 1 in 20 year flood contour	Below 1 in 20 year flood contour	Proposed LAA above 1 in 20 year flood contour	Proposed LAA above 1 in 20 year flood contour	Low		0		0	✓	3
	Application Method	Drip irrigation or subsurface application of effluent	Surface / above ground application of effluent	Subsurface application	Subsurface application	Low	✓	1		0		0

