

Waste volumes - Description	m3	Tonnes	Other	Source
Pit volume	828,963			Measured by survey, May 2018
Overburden stockpile volume (to place back into pit)	116,834			Measured survey, May 2018
Actual void space	712,129			
Covering soil material required	27,918			Estimated. Glenveagh Properties PLC
Balance void volume available after overburden placed in pit	740,047			Calculated from above: volume-(overburden stockpile)
Conversion factor			1.8	Assumes conversion factor of 1.8 tonnes/m ³ for inert soils and stones (allowing for compaction and settlement)
Quantity over lifetime of facility	740,047	1,332,084		
Quantity per annum	296,019	532,833	2.5	Years duration of filling activity
Capacity of haul trucks to be used	11	19.8		m ³ for truck loads: 8 wheeler 9m ³ and Artic 15m ³ - used 11m ³ as average
Quantity per month	24,668	44,403	12	equal months per year
Loads per month	2,243	2,243		
Quantity per week	5,904	10,626	50	weeks opening. I.e. Closure for 2 weeks
Loads per week	537	537		
Quantity per day	1,073	1,932	276	days opening i.e. 5.5-day week
Loads per day	98	98		

Check back to 740,000

740,047

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soil calculation - if required separately

Topsoil volumes - Description	Measure	Units	Other	Source
Quarry Void area	8.59	hectares		pit is 8.59 ha. Total site is 13.67
Quarry Void area	85,900	m2		
Quarry Void area	8.59	hectares		
Quarry Void area	85,900	m2		
Depth of covering topsoil	0.325	m		
Requirement for topsoil to cover the facility over lifetime of facility	27,918	m3		
Density of topsoil	1.4	tonnes/m3		
Requirement for topsoil to cover the facility	39,085	tonnes		
Requirement for topsoil to cover the facility over lifetime of facility	27,918	m3		
Quantity per annum	11,167	m3	2.5	Years duration of filling activity
Capacity of haul trucks to be used	11	m3		m ³ for truck loads: 8 wheeler 9m ³ and Artic 15m ³ - used 11m ³ as average
m3 in per month	931	m3	12	equal months per year
Loads per month	85	Loads		
Quantity per week	223	m3	50	weeks opening. I.e. Closure for 2 weeks
Loads per week	20	Loads		
Quantity per day	40	m3	276	days opening i.e. 5.5-day week
Loads per day	4	Loads		

Topsoil volumes - Description	Measure	Units	Other	Source
Quarry total area	13.67	hectares		pit is 8.6 ha. Total site is 13.67
Quarry total area	136,700	m2		
Depth of covering topsoil	0.3	m		as directed at meeting of 30.1.2018
Requirement for topsoil to cover the facility over lifetime of facility	41,010	m3		
Density of topsoil	1.4	tonnes/m3		
Requirement for topsoil to cover the facility	57,414	tonnes		
Requirement for topsoil to cover the facility over lifetime of facility	41,010	m3		
Quantity per annum	16,404	m3	2.5	Years duration of filling activity
Capacity of haul trucks to be used	11	m3		m ³ for truck loads: 8 wheeler 9m ³ and Artic 15m ³ - used 11m3 as average
m3 in per month	1,367	m3	12	equal months per year
Loads per month	124	Loads		
Quantity per week	327	m3	50	weeks opening. I.e. Closure for 2 weeks
Loads per week	30	Loads		
Quantity per day	59	m3	276	days opening i.e. 5.5-day week
Loads per day	5	Loads		

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