

Attachment-4-3-1-Storage of Waste and Other Materials (Supporting Information)

Storage of Waste and Other Materials:

Storage Area	Tonnes	Details
Waste accepted and in storage pending treatment		
Non-Haz Waste Quarantine	210	Area of c. 15m x 5m and 4m height. MSW incoming density of 0.7 T/m3
Non-Haz Waste Inspection	210	Area of c. 15m x 5m and 4m height. MSW incoming density of 0.7 T/m3
Existing Compost Facility Bunker	350	Incoming waste 35,000 TPA, 3 days storage capacity (300 days operation per year)
New MSW Processing and Compost Facility	550	Incoming waste 55,000 TPA, 3 days storage capacity (300 days operation per year)
New Soils & Stones and C&D Rubble Processing Facility	612	Building internal area of 27m x 27m. Assume 20% floor area as storage and 2m height - Typical incoming soils/stone/rubble waste density of 2.1 T/m3
Engineering Materials Storage Area - Within Landfill Body	20,000	Storage requirement for C&D Fines & Rubble, Non-Haz Soil & Stone and Glass that may be used as engineering material within the landfill.
Subtotal	21,932	
Capacity of treatment chambers and vessels - Waste being Processed		
Compost Facility (existing) – compost tunnels	2,603	12 no. tunnels with a total floor area of 1,554 m2. Material height of c. 2.5m and density of 0.67 m3/tonne
Composting – (New MSW Processing and Compost Facility)	4,865	13 no. tunnels with an active floor area of 2,216m2. Material height of c. 3.27 m and density of 0.67 m3/tonne
Subtotal	7,468	
Treated waste, whether classified as waste or not		
Engineering Materials Storage Area – Landfill Cap Area / Other	30,000	Storage requirement for recovered inert material (Soils & Stone Processing Facility) such as soil & stone and rubble that may be used for landfill construction, capping material, and internal road construction
New MSW Processing and Compost Facility	100	Recyclables (annual approx. 2,500 TPA)

New MSW Processing and Compost Facility	175	RDF / SRF like material. Annual approx. 17,500 TPA, 3 days storage capacity (300 days operation per year)
Subtotal	30,275	
TOTAL	59,675	

The above quantities are based on the maximum available storage capacity in the various facilities at the site. The actual quantities stored in any of the above locations are likely to be considerably less than outlined above at any one time. In particular, the compost facility will not operate with maximum quantities of biodegradable waste stored in each of the compost tunnels at any one time and, currently, it is not proposed to utilise the hygenisation tunnels for composting. Additionally, the quarantine areas will not be permitted to be filled to capacity and where quarantined material is required to be removed off-site, it will be done so as soon as possible in accordance with the Waste Acceptance Procedure.