Demolition/ Construction Waste Reduction

Appendix K

Project: Lamma Power Station Extension Civil and Building Works for Unit 13
Type of Works: Civil and Building Works
Record by: China Harbour Engineering Company Limited
Year of Record: 2025
Objective: Encourage best practices in the management of waste, including sorting, recycling, and disposal of demolition/ construction waste.

Monthly Waste Flow Table

Month	Total Quantity Generated	Total Quantity Generated (Excluded Excavated Material)	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Materials Generated Monthly						Remarks
			Excavated Materials			Non-excavated Materials											
			Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in Other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	Metals (steel bar / metal strip) (1)	Metals (aluminum can) (1)	Paper / cardboard packaging / Wooden product (1)	Plastics (1) & (4)	Chemical waste (wasted lubricant oil/oil container)	Other, e.g. general refuse	
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	
	a1	a2	b	b	b	c	d	e	f	g	h	i	j	k	l	m	
Jun-25	79.760	79.760	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.590	0.000	0.000	0.000	0.000	64.170	
Jul-25	1882.990	3.490	0.000	0.000	1879.500	0.000	0.000	0.000	0.000	0.000	3.490	0.000	0.000	0.000	0.000	0.000	
Aug-25	10107.820	17.020	0.000	0.000	10090.800	0.000	0.000	0.000	0.000	0.000	3.800	0.000	0.000	0.000	0.000	13.220	
Sep-25	2317.200	2.500	0.000	0.000	2314.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.500	
Oct-25	3799.137	73.437	0.000	0.000	3725.700	0.000	0.000	0.000	0.000	0.000	23.850	0.000	0.000	0.000	0.017	49.570	
Nov-25	2077.151	28.451	0.000	0.000	2048.700	0.000	0.000	0.000	0.000	0.000	9.510	0.000	0.000	0.001	0.000	18.940	
Dec-25	2549.972	63.572	0.000	0.000	2486.400	0.000	0.000	0.000	0.000	0.000	23.710	0.000	0.002	0.010	0.000	39.850	
Jan-26	4726.150	33.050	0.000	0.000	4693.100	0.000	0.000	0.000	0.000	0.000	11.850	0.000	0.000	0.000	0.000	21.200	
Feb-26	4358.287	92.387	0.000	0.000	4265.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	92.370	
Mar-26	7277.970	75.070	0.000	0.000	7202.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	75.070	
Apr-26	2277.956	48.156	0.000	0.000	2229.800	0.000	0.000	0.000	0.000	0.000	4.120	0.000	0.022	0.013	0.000	44.000	
May-26	7405.58	102.180	0.000	0.000	7303.400	0.000	0.000	0.000	0.000	0.000	2.130	0.000	0.000	0.000	0.000	100.050	
Total	48859.973	619.073	0.000	0.000	48240.900	0.000	0.000	0.000	0.000	0.000	98.050	0.000	0.024	0.024	0.034	520.940	

Total C&D waste generated	48859.97	tonnes	a1=b+c+d+e+f+g+h+i+j+k+l+m
Total C&D waste generated (excluded excavated materials)	619.07	tonne	a2=c+d+e+f+g+h+i+j+k+l+m
Total recycled C&D waste	98.10	tonne	a3=c+d+e+h+i+j+k
% of recycled C&D waste	15.85	%	a4=a3/a2 x 100%

Notes:
(1) metal, paper & plastic were collected by recycler
(2) The performance target of waste recycling are specified in the Contract.
(3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
(5) Broken concrete for recycling into aggregates.
(6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.
(7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.