

## Monthly Summary Waste Flow Table for 2017



Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	a.Total Quantity Generated (see Note 8)	b. Hard Rock and Large Broken Concrete (see Note 9)	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill (see Note 10)	f. Imported Fill	g. Metals (see Note 5)	h. Paper / Cardboard Packaging (see Note 5)	i. Plastics (see Note 3) (see Note 5)	j. Chemical Waste	k. Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
January	0.046	0.046	0.000	0.000	0.046	0.000	55.920	1.564	0.000	0.000	0.707
February	0.364	0.364	0.000	0.000	0.364	0.000	56.790	1.785	0.000	0.000	0.625
March	0.957	0.957	0.000	0.000	0.957	3.152	85.350	1.477	0.000	0.000	0.813
April	0.487	0.487	0.000	0.000	0.487	30.030	144.450	1.412	0.000	0.090	0.709
May	1.807	1.807	0.000	0.000	1.807	0.000	46.300	0.000	0.000	0.000	0.737
June	3.140	3.140	0.000	0.000	3.140	0.000	117.810	0.000	0.000	0.000	0.595
Sub-total	6.801	6.801	0.000	0.000	6.801	33.182	506.620	6.238	0.000	0.090	4.186
July	1.780	1.780	0.000	0.000	1.780	0.000	177.660	2.856	0.000	0.800	0.664
August	1.190	1.190	0.000	0.000	1.190	0.000	21.140	1.168	0.000	0.000	0.740
September	0.679	0.679	0.000	0.000	0.679	0.000	36.090	1.516	0.000	0.000	1.015
October	0.410	0.410	0.000	0.000	0.410	0.000	8.310	0.000	0.000	0.000	1.200
November	1.068	1.068	0.000	0.000	1.068	0.000	57.750	2.028	0.000	0.000	1.441
December	1.096	1.096	0.000	0.000	1.096	0.000	14.110	0.918	0.000	0.000	0.985
Total	13.024	13.024	0.000	0.000	13.024	33.182	821.680	14.724	0.000	0.890	10.231

Total C&D waste generated = a+b+f+g+h+i+j+k

Total C&D waste generated (excluded excavated material) = g+h+i+j+k

Total C&D waste recycled = c+d+g+h+i

% of recycled C&D waste = (Total C&D waste generated - Total C&D waste recycled) / Total C&D waste generated



**Forecast of Total Quantities of C&D Materials to be Generated from the Contract\***

<b>a.Total Quantity Generated</b> (see Note 8)	<b>b. Hard Rock and Large Broken Concrete</b> (see Note 9)	<b>c. Reused in the Contract</b>	<b>d. Reused in Other Projects</b>	<b>e. Disposed as Public Fill</b> (see Note 10)	<b>f. Imported Fill</b>	<b>g. Metals</b> (see Note 5)	<b>h. Paper / Cardboard Packaging</b> (see Note 5)	<b>i. Plastics</b> (see Note 3) (see Note 5)	<b>j. Chemical Waste</b>	<b>k. Others, e.g. general refuse</b>
(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )

- Notes: (1) The performance target are given in PS Clause 6(14)
- (2) The waste flow table shall also include C&D materials that are not specified in the Contract to be imported for use at the Site
- (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
- (4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m<sup>3</sup>.
- (5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for recycling.
- (6) Conversion factors for reporting purpose:  
in-situ: rock = 2.5 tonnes/m<sup>3</sup>; soil = 2.0 tonnes/m<sup>3</sup>  
excavated: rock = 2.0 tonnes/m<sup>3</sup>; soil = 1.8 tonnes/m<sup>3</sup>; broken concrete and bitumen = 2.4 tonnes/m<sup>3</sup>  
C&D Waste = 0.9 tonnes/m<sup>3</sup>; bentonite slurry = 2.8 tonnes/m<sup>3</sup>  
Diesel density: 0.8kg/l
- (7) Numbers are rounded off to the nearest three decimal places
- (8) The "Total Quantity Generated" equals to the sum of "Reuse in the Contract", "Reuse in Other Projects" and "Disposed as Public Fill"
- (9) The "Hard Rock and Large Broken Concrete" were disposed as public fill
- (10) The amount in "Disposed as Public Fill" included the "Hard Rock and Large Broken Concrete" disposed as public fill