

Monthly Summary Waste Flow Table for Nov 2020

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	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill	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 ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
January	131.325	42.581	0.000	42.581	88.744	0.000	0.000	0.000	0.000	3.040	0.360
February	124.053	43.467	0.000	43.467	80.586	0.000	0.000	0.000	0.000	0.000	0.336
March	159.135	35.849	0.000	35.849	123.286	0.000	0.000	0.000	0.000	0.000	0.489
April	100.501	15.158	0.000	15.158	85.343	0.000	0.000	0.000	0.000	1.920	0.304
May	77.137	26.871	0.000	26.871	50.266	0.000	0.000	0.000	0.000	1.760	0.436
June	45.856	12.279	0.000	12.279	33.577	0.000	0.000	0.000	0.000	2.800	0.629
Sub-total	638.007	176.205	0.000	176.205	461.802	0.000	0.000	0.000	0.000	9.520	2.554
July	29.834	7.666	0.000	7.666	22.168	0.000	0.000	0.000	0.000	0.000	0.761
August	51.816	5.688	0.000	5.688	46.128	0.000	0.000	0.000	0.000	0.000	0.783
September	58.150	21.280	0.000	21.280	36.870	0.000	0.000	0.000	0.000	2.000	0.780
October	34.544	13.414	0.000	13.414	21.130	0.000	0.000	0.000	0.000	0.000	0.665
November	42.765	13.695	0.000	13.695	29.070	0.000	0.000	0.000	0.000	0.000	0.861
December											
Total											

Total inert C&D waste generated = c+d+e

Total inert C&D waste recycled = c+d

$$\% \text{ of recycled inert C\&D waste} = \frac{\text{Total C\&D waste recycled}}{\text{Total C\&D waste generated}}$$

Name of Department: Civil Engineering Development Department

Contract No.: NE/2015/01



- 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 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 50,000m³. (PS Clause 1.105(4) refers)
 - (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/m³; soil = 2.0 tonnes/m³
 - (7) excavated: rock = 2.0 tonnes/m³; soil = 1.8 tonnes/m³; broken concrete and bitumen = 2.4 tonnes/m³, soil and rock = 1.9 tonnes/m³
 - (8) C&D Waste = 0.9 tonnes/m³; bentonite slurry = 2.8 tonnes/m³
Diesel density: 0.8kg/l
Numbers are rounded off to the nearest three decimal places
The "Total Quantity Generated" equals to the sum of "Reuse in the Contract", "Reuse in Other Projects" and "Disposed as Public Fill"

Monthly Summary Waste Flow Table for 2020 Year

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Borken Concrete	Reused in the Contract	Reused in other Projects	Disposal as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics (See note 3)	Chemical Waste	Other, e.g. general refuse
	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000m ³]
Jan	30.64412	0.00000	0.00000	0.00000	24.22533	6.41880	5.41000	0.00000	0.00000	0.00000	0.04746
Feb	39.14024	0.00000	0.00000	0.00000	32.17651	6.96373	370.20000	0.00000	0.00000	0.00000	0.07116
Mar	27.14772	0.00000	0.00000	0.00000	15.34531	11.80241	29.85000	0.00000	0.00000	0.00000	0.06906
Apr	5.83584	0.00000	0.00000	0.00000	3.63701	2.19883	102.92000	0.00000	0.00000	0.00000	0.05324
May	8.55271	0.00000	0.00000	0.00000	5.15006	3.40265	0.00000	0.00000	0.00000	0.00000	0.07372
June	10.30986	0.00000	0.00000	0.00000	6.30591	4.00395	52.86200	0.00000	0.00000	0.16300	0.06674
SUB-TOTAL	121.63048	0.00000	0.00000	0.00000	86.84011	34.79037	561.24200	0.00000	0.00000	0.16300	0.38138
Jul	14.08386	0.00000	0.00000	0.00000	12.28541	1.79845	449.89000	0.00000	0.00000	0.00000	0.14692
Aug	13.43334	0.00000	0.00000	0.00000	13.40894	0.02441	112.72300	0.00000	0.00000	0.00000	0.16514
Sep	14.04413	0.00000	0.00000	0.00000	14.03449	0.00964	34.24000	0.00000	0.00000	0.00000	0.04288
Oct	12.05179	0.00000	0.00000	0.00000	11.88895	0.16285	0.00000	0.00000	0.00000	0.00000	0.05810
Nov	16.18900	0.00000	0.00000	0.00000	16.15917	0.02983	0.00000	0.00000	0.00000	0.00000	0.09346
Dec											
TOTAL	191.43260	0.00000	0.00000	0.00000	154.61706	36.81554	1158.09500	0.00000	0.00000	0.16300	0.88788

Note: Conversion to 1000m³ for general refuse is weight in 1000kg multiply by 0.002
 Conversion to 1000m³ for Inert C&D is weight in 1000kg multiply by 0.0005
 Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material
 Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material



Monthly Summary of Waste Flow Table for 2020

Name of Person completing the Record: Joshua Tam

Month	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-inert C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
		(see Note 1)						(see Note 2)		
(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000m ³)	
Jan	0.4469	0	0	0	0.4469	0	0	0	0	0.00338
Feb	0.5532	0	0	0	0.5532	0	0	0	0	0.0123
Mar	0.6280	0	0	0	0.6280	0	0	0	0	0.00218
Apr	0.3370	0	0	0	0.3370	0	0	0	0	0.00294
May	0.3530	0	0	0	0.3530	0	0	0	0	0.00043
Jun	0.1670	0	0	0	0.1670	0	0	0	0	0.00199
Sub-total	2.4851	0	0	0	2.4851	0	0	0	0	0.0198
Jul	0.5560	0	0	0	0.5560	0	0	0	0	0.00262
Aug	0.3621	0	0	0	0.3621	0	0	0	0	0.00628
Sep	0.1780	0	0	0	0.1780	0	0	0	0	0.00218
Oct	0.3472	0	0	0	0.3472	0	0	0	0	0.00653
Nov	0.8082	0	0	0	0.8082	0	0	0	0	0.00965
Dec	0.0000	0	0	0	0.0000	0	0	0	0	0
Total	4.7366	0	0	0	4.7366	0	0	0	0	0.0471

Notes:

- (1) Broken concrete for recycling into aggregates.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
- (3) Use the conversion factor: 1 full load of 24t / 30t dumping truck being equivalent to 6.5m³ / 8.125 m³ by volume.



GTECH Services (Hong Kong) Limited

Name of Department: Civil Engineering & Development Department

Contract No.: NE/2017/06

Monthly Summary Waste Flow Table For 2020

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock & Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Chemical Waste	Others, e.g. General Refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
Jan	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0
Sub-total	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0.0015
Oct	0	0	0	0	0	0	0	0	0	0	0.0045
Nov	0	0	0	0	0	0	0	0	0	0	0
Dec											
Total	0	0	0	0	0	0	0	0	0	0	0.006

- Notes:
- (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 - (2) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material.
 - (3) Each dump truck carries 6m³ of general refuse.
 - (4) The commencement date of the Contract is 9 November 2018. The current reporting period is from 1 November 2020 to 30 November 2020.

Monthly Summary Waste Flow Table for 2020

Name of Department: Civil Engineering and Development Department

Contract No.: NE/2017/01

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
Jan	0.0163	0.0000	0.0000	0.0000	0.0163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
Feb	0.2601	0.0000	0.0000	0.0000	0.2601	0.0000	11.2600	0.0000	0.0000	0.0000	0.0017
Mar	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044
Apr	0.0105	0.0000	0.0000	0.0000	0.0105	0.0000	0.0000	0.0000	0.0224	0.0000	0.0033
May	0.1669	0.0000	0.0000	0.0000	0.1669	0.0000	4.2000	0.0000	0.0000	0.0000	0.0062
Jun	0.0099	0.0000	0.0000	0.0000	0.0099	0.0000	0.0000	0.0000	0.0000	0.0000	0.0118
Sub-total	0.4637	0.0000	0.0000	0.0000	0.4637	0.0000	15.4600	0.0000	0.0224	0.0000	0.0305
Jul	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.0000	0.0000	0.0000	0.0114
Aug	0.0098	0.0000	0.0000	0.0000	0.0098	0.0000	22.2300	0.4250	0.0000	0.0000	0.0105
Sep	0.0493	0.0000	0.0000	0.0000	0.0493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0101
Oct	0.0213	0.0000	0.0000	0.0000	0.0213	0.0000	0.0000	0.0000	0.0950	0.0000	0.0101
Nov	0.0483	0.0000	0.0000	0.0000	0.0483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081
Dec											
Total	0.5924	0.0000	0.0000	0.0000	0.5924	0.0000	37.6900	0.4250	0.1174	0.0000	0.0807

- Notes:
1. Assume the density of soil fill is 2 ton/m³.
 2. Assume the density of rock and broken concrete is 2.5 ton/m³.
 3. Assume the density of mixed rock and soil is 1.9 ton/m³.
 4. Assume the density of slurry and bentonite is 2.8 ton/m³.
 5. The slurry and bentonite are disposed at Tseung Kwan O Area 137 Fill Bank.
 6. Assume the density of C&D waste is 0.9 ton/m³.
 7. The non-inert C&D wastes are disposed at NENT.