

Appendix H

Summary of Waste Flow Table

Contract No. : HY/2012/07
Tuen Mun Chek Lap Kok Link – Southern Connection Viaduct Section
Monthly Summary Waste Flow Table for 2013 (Year)

Month/Material	Actual Quantities of Inert C&D Materials Generation						Actual Quantities of C&D wastes Generation					Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	0	0	0	0	-	-	-	0	0	0	0	0	0
SUB-TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	-	-	0	0	0	0	0	0	0	322.89	0	0	0	0	0
Sep	0.004	0.004	0	0	0.004	0	0	0	0	412.86	0	0	0	0	0
Oct	0.044	0.018	0	0	0.044	0	0	0	0	27.63	0	0	0	0	0
Nov	0.277	0.000	0.240	0	0.037	0	0	0	0	22.05	0	0	0	0	0
Dec	0.114	0.027	0.020	0	0.094	0	0	0	0	28.04	0	0.019	0	0	0
TOTAL	0.439	0.049	0.260	-	0.179	-	-	-	-	813.47	-	0.019	-	-	-

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 - Broken concrete for recycling into aggregates.

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	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	0.033	0.011	0.003	-	0.030	-	-	-	-	22.380	-	10.240	-	-	-
Feb	4.716	0.010	0.031	-	0.010	4.674	-	-	-	10.670	-	0.780	-	-	-
Mar	2.559	0.009	0.240	-	0.221	2.098	-	-	0.275	12.390	-	46.050	-	-	-
Apr	1.051	0.000	0.020	-	0.118	0.914	-	-	-	87.650	-	15.760	-	-	-
May	2.008	-	0.010	-	1.546	0.451	0.386	0.267	0.055	98.030	-	8.460	0.126	-	-
Jun	5.318	0.021	0.030	2.473	0.357	2.457	0.338	-	-	77.290	-	25.340	0.140	-	-
SUB-TOTAL	15.685	0.051	0.334	2.473	2.283	10.595	0.724	0.267	0.055	0.275	308.410	-	106.630	0.266	-
Jul	6.303	0.129	0.020	-	4.654	1.629	0.847	0.252	0.051	87.810	-	27.370	0.126	-	-
Aug	4.824	0.018	0.265	1.829	2.441	0.288	0.391	0.131	0.033	98.220	-	21.680	0.126	0.475	-
Sep	8.037	0.142	0.175	-	7.722	0.140	0.400	0.073	0.060	238.01	-	34.190	0.161	-	-
Oct	15.033	0.083	0.943	-	13.860	0.230	0.441	0.118	0.104	268.18	-	-	0.105	-	-
Nov	16.266	0.268	3.356	-	12.474	0.436	-	0.150	0.084	114.37	-	-	0.133	-	-
Dec	19.007	0.202	2.898	0.122	15.987	-	0.337	0.165	0.110	130.97	-	-	0.147	-	-
TOTAL	85.154	0.894	7.990	4.424	59.422	13.318	3.140	1.156	0.497	1.297	1,245.970	-	189.870	1.064	0.475

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 - Broken concrete for recycling into aggregates.
- 4 - Assumed 5 kg per damaged water-filled barrier.
- 5 - Disposed as Public Fills includes Hard Rock and Large Broken Concrete.

Contract No. : HY/2012/07

**Tuen Mun Chek Lap Kok Link – Southern Connection Viaduct Section
Monthly Summary Waste Flow Table for 2015 (Year)**

Month/Material	Actual Quantities of Inert C&D Materials Generation						Actual Quantities of C&D wastes Generation						Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Marine Sediment, Cat. H	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	
Jan	13.578	0.081	0.990	-	12.474	0.115	0.178	0.229	0.258	-	132.170	-	61.380	0.091	-	
Feb	6.233	0.148	0.461	-	5.759	0.014	0.801	0.110	0.223	0.400	141.020	-	73.690	0.112	-	
Mar	10.149	0.220	0.473	-	9.600	0.077	0.618	0.073	0.149	-	120.940	-	9.140	0.203	-	
Apr	9.986	0.410	2.261	-	7.694	0.032	-	-	-	-	133.630	-	2.740	0.105	-	
May	8.870	0.177	0.779	-	8.091	-	0.550	-	-	-	107.920	-	13.070	0.042	-	
Jun	8.627	0.132	1.462	-	7.166	-	0.324	0.118	0.169	0.017	89.930	-	2.000	0.119	-	
SUB-TOTAL	57.444	1.168	6.424	-	50.782	0.238	2.471	0.530	0.799	0.417	725.610	-	162.020	0.672	-	
Jul	4.520	0.137	2.121	-	2.322	0.078	-	-	-	1.400	111.570	-	-	0.105	-	
Aug	1.992	0.203	0.352	-	1.265	0.375	-	-	-	1.200	87.760	-	-	0.133	-	
Sep	4.148	0.160	0.623	-	3.525	-	-	-	-	0.600	66.680	-	-	0.105	-	
Oct	2.286	0.317	0.651	-	1.635	-	-	-	-	-	102.080	-	-	0.084	-	
Nov	1.571	0.273	0.725	-	0.204	0.642	-	-	-	2.000	64.740	-	-	0.098	-	
Dec	0.714	0.216	0.516	-	0.198	-	-	-	-	-	66.000	-	-	-	-	
TOTAL	72.675	2.476	11.412	-	59.930	1.333	2.471	0.530	0.799	5.617	1,224.440	-	162.020	1.197	-	

Notes :

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- 3 - Broken concrete for recycling into aggregates.
- 4 - Assumed 5 kg per damaged water-filled barrier.
- 5 - 'Reused in the Contract' and 'Disposed as Public Fills' include 'Hard Rock and Large Broken Concrete'.

Contract No. : HY/2012/07

Tuen Mun Chek Lap Kok Link – Southern Connection Viaduct Section

Monthly Summary Waste Flow Table for 2016 (Year)

Month/Material	Actual Quantities of Inert C&D Materials Generation						Actual Quantities of C&D wastes Generation						Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Marine Sediment, Cat. H	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	1.941	0.263	0.606	-	1.334	-	-	-	-	-	-	69.400	-	-	0.105	-
Feb	0.783	0.185	0.092	-	0.692	-	-	-	-	-	-	85.890	-	-	0.112	-
Mar	1.502	0.429	0.537	-	0.965	-	-	-	-	-	2.000	88.360	-	-	-	-
Apr	1.354	0.402	0.789	-	0.565	-	-	-	-	-	3.000	79.580	-	8.640	0.084	-
May	1.057	0.192	0.617	-	0.440	-	-	-	-	-	3.000	75.620	-	-	-	-
Jun	0.499	0.277	0.116	-	0.383	-	-	-	-	-	-	103.270	-	-	0.105	-
SUB-TOTAL	7.136	1.747	2.757	-	4.379	0.000	-	-	-	-	8.000	502.120	-	8.640	0.406	-
Jul	0.507	0.211	0.230	-	0.277	-	-	-	-	-	2.200	94.760	-	1.540	0.350	-
Aug	1.294	0.144	0.684	-	0.610	-	-	-	-	-	-	116.990	-	9.790	0.098	-
Sep	2.584	0.155	0.270	-	2.314	-	-	-	-	-	-	130.060	-	-	0.105	-
Oct	2.338	0.180	0.156	-	2.183	-	-	-	-	-	-	141.300	-	-	0.028	-
Nov	3.873	0.328	0.536	-	3.337	-	0.473	-	-	-	1.567	138.270	-	-	0.063	-
Dec	4.129	0.322	0.732	-	3.397	-	0.990	-	-	-	-	130.900	-	-	0.063	-
TOTAL	21.860	3.087	5.364	-	16.496	-	1.463	-	-	-	11.767	1,254.400	-	19.970	1.113	-

Notes :

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- 4 - Assumed 5 kg per damaged water-filled barrier.
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Monthly Summary Waste Flow Table for 2017 (Year)

Month/Material	Actual Quantities of Inert C&D Materials Generation						Actual Quantities of C&D wastes Generation						Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Marine Sediment, Cat. H	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
	sub-total	sub-total	sub-total	sub-total	sub-total	sub-total									7kg/bag	5kg/number
Location																
Density (ton/m ³)																
ID no.											(web record)					
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	4.591	0.717	0.474	-	4.118	-	-	-	-	3.521	99.840	-	-	0.140	-	-
Feb	5.034	1.585	0.166	-	4.869	-	0.857	-	-	-	127.720	-	-	0.091	-	-
Mar	6.575	0.937	0.498	-	6.077	-	0.771	-	-	6.000	87.910	-	-	0.077	-	-
Apr	5.467	0.791	1.058	-	4.409	-	-	-	-	-	130.680	-	5.170	0.063	-	-
May	4.960	0.537	0.826	-	4.134	-	0.672	-	-	-	171.870	-	-	0.056	-	-
Jun	4.491	0.567	0.098	-	4.394	-	-	-	-	-	148.600	-	-	0.063	-	-
SUB-TOTAL	31.118	5.133	3.118	-	28.000	0.000	2.300	-	-	9.521	766.620	-	5.170	0.490	-	-
Jul	5.618	0.426	0.696	0.002	4.921	-	1.056	-	-	0.800	159.980	-	-	0.091	-	-
Aug	3.897	0.232	-	-	3.897	-	-	-	-	-	159.230	-	-	0.056	-	-
Sep	3.142	0.676	-	-	3.142	-	1.517	1.047	0.127	-	185.420	-	18.030	0.070	-	-
Oct	3.239	0.385	0.559	-	2.680	-	-	-	-	-	172.690	-	-	0.063	-	-
Nov	3.354	0.814	0.023	-	3.331	-	-	-	-	5.400	159.650	-	5.840	0.028	-	-
Dec	3.054	0.755	0.160	0.004	2.890	-	-	-	-	2.400	181.710	-	15.580	0.056	-	-
TOTAL	53.422	8.422	4.555	0.006	48.861	-	4.873	1.047	-	0.127	18.121	1,785.300	-	44.620	0.854	-

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Monthly Summary Waste Flow Table for 2018 (Year)

Month/Material	Actual Quantities of Inert C&D Materials Generation						Actual Quantities of C&D wastes Generation						Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Marine Sediment, Cat. H	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
	sub-total	sub-total	sub-total	sub-total	sub-total	sub-total									7kg/bag	5kg/number
Location																
Density (ton/m ³)																
ID no.											(web record)					
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	4.288	0.405	0.137	-	4.151	-	-	-	-	-	211.060	-	2.540	0.084	-	-
Feb	2.662	0.241	0.826	-	1.836	-	-	-	-	-	184.880	-	12.280	0.028	-	-
Mar	5.916	0.289	2.503	-	1.536	1.877	-	-	-	1.200	307.670	-	30.190	0.161	-	-
Apr	6.103	0.352	0.852	-	1.274	3.977	-	-	-	-	349.640	-	19.150	0.112	-	-
May	4.492	0.616	1.333	0.148	1.676	1.336	-	-	-	-	438.160	-	-	0.056	-	-
Jun	2.801	0.763	1.134	-	1.600	0.067	-	-	-	-	669.690	-	9.570	0.035	-	-
SUB-TOTAL	26.262	2.666	6.783	0.148	12.074	7.257	-	-	-	1.200	2161.100	-	73.730	0.476	-	-
Jul	1.361	0.555	0.208	-	0.973	0.181	-	-	-	-	639.210	-	13.260	0.056	-	-
Aug	2.369	0.357	0.104	0.085	0.726	1.455	-	-	-	1.200	508.670	-	-	-	-	-
Sep	1.866	0.700	-	-	1.866	-	-	-	-	4.000	419.480	-	4.930	0.056	-	-
Oct	3.182	1.956	0.059	-	3.123	-	-	-	-	4.800	365.740	-	-	0.056	-	-
Nov	5.090	1.592	-	-	5.090	-	-	-	-	2.600	406.980	-	-	-	-	-
Dec	8.079	1.077	-	-	8.079	-	-	-	-	-	346.730	-	-	0.077	-	-
TOTAL	48.209	8.902	7.153	0.233	31.931	8.893	-	-	-	13.800	4,847.910	-	91.920	0.721	-	-

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	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Marine Sediment, Cat. L	Marine Sediment, Cat. Mp	Marine Sediment, Cat. Mf	Marine Sediment, Cat. H	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	3.687	0.861	-	-	3.687	-	-	-	-	0.800	251.110	-	-	-	-	-
Feb	1.254	0.046	-	0.637	0.617	-	-	-	-	-	84.990	-	-	-	-	-
Mar	4.491	0.000	-	3.627	0.864	-	-	-	-	-	71.750	-	-	-	-	-
Apr	9.363	0.153	-	8.979	0.384	-	-	-	-	-	56.470	-	9.520	0.084	-	-
May	5.334	0.000	-	5.258	0.077	-	-	-	-	-	76.380	-	-	-	-	-
Jun	0.356	0.000	-	0.315	0.041	-	-	-	-	-	39.960	-	-	-	-	-
SUB-TOTAL	24.484	1.060	0.000	18.815	5.669	0.000	-	-	-	0.800	580.660	-	9.520	0.084	-	-
Jul	-	0.000	-	-	-	-	-	-	-	-	17.100	-	-	-	-	-
Aug	-	0.000	-	-	-	-	-	-	-	-	31.050	-	-	-	-	-
Sep	-	0.000	-	-	-	-	-	-	-	-	17.720	-	-	-	-	-
Oct	-	0.000	-	-	-	-	-	-	-	-	8.490	-	-	-	-	-
Nov	-	0.000	-	-	-	-	-	-	-	-	19.670	-	-	-	-	-
Dec	-	0.000	-	-	-	-	-	-	-	-	0.000	-	-	-	-	-
TOTAL	24.484	1.060	-	18.815	5.669	-	-	-	-	0.800	674.690	-	9.520	0.084	-	-

Notes :

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Tuen Mun Chek Lap Kok Link – Southern Connection Viaduct Section

Monthly Summary Waste Flow Table for 2020 (Year)

Month\Material	Actual Quantities of Inert C&D Materials Generation								Actual Quantities of Recyclables Generation			
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	-	0.000	-	-	-	-	-	12.260	-	-	-	-
Feb	0.048	0.048	-	-	0.048	-	-	-	-	-	-	-
Mar	0.038	0.038	-	-	0.038	-	-	-	-	-	-	-
Apr	-	0.000	-	-	-	-	-	-	-	-	-	-
May	-	0.000	-	-	-	-	-	-	-	-	-	-
Jun	-	0.000	-	-	-	-	-	-	-	-	-	-
SUB-TOTAL	0.086	0.086	0.000	-	0.086	0.000	-	12.260	-	0.000	-	-
Jul	-	0.000	-	-	-	-	-	-	-	-	-	-
Aug	-	0.000	-	-	-	-	-	-	-	-	-	-
Sep	-	0.000	-	-	-	-	-	-	-	-	-	-
Oct	-	0.000	-	-	-	-	-	-	-	-	-	-
Nov	-	0.000	-	-	-	-	-	-	-	-	-	-
Dec	-	0.000	-	-	-	-	-	-	-	-	-	-
TOTAL	0.086	0.086	-	-	0.086	-	-	12.260	-	-	-	-

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 - Broken concrete for recycling into aggregates.
- 4 - Assumed 5 kg per damaged water-filled barrier.
- 5 - Disposed as Public Fills includes Hard Rock and Large Broken Concrete.