

APPENDIX F WASTE FLOW TABLE

Appendix F - Waste Flow Table for CCGT Unit No. 1

Monthly Summary Waste Flow Table for 2016

Month	Actual Quantities of Inert C&D Materials Generated Monthly ⁽¹⁾					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete ⁽⁵⁾	Reused in the Contract	Reused in other Projects	Disposed as Public Fill ⁽³⁾	Metals	Paper/ cardboard packaging	Plastics ⁽²⁾	Chemical Waste ⁽⁴⁾	Others, e.g. general refuse ⁽³⁾
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in'000 kg)	(in '000m ³)
Jan-16	-	-	-	-	-	-	-	-	-	-
Feb-16	-	-	-	-	-	-	-	-	-	-
Mar-16	-	-	-	-	-	-	-	-	-	-
Apr-16	-	-	-	-	-	-	-	-	-	-
May-16	-	-	-	-	-	-	-	-	-	-
Jun-16	-	-	-	-	-	-	-	-	-	-
Sub-total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul-16	-	-	-	-	-	-	-	-	-	-
Aug-16	-	-	-	-	-	-	-	-	-	-
Sep-16	-	-	-	-	-	-	-	-	-	-
Oct-16	-	-	-	-	-	-	-	-	-	-
Nov-16	-	-	-	-	-	-	-	-	-	-
Dec-16	0.000	0.000	0	0	0.000	0	0	0	0	0.000
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Notes:

- (1) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam form packaging material.
- (3) Density Assumption: 1.6(kg/l) for Public Fill and 0.9(kg/l) for General Refuse.
- (4) Chemical waste includes waste oil. Density of waste oil is assumed to be 0.8 kg/L.
- (5) Density of broken concrete is assumed to be 2.5 ton/m³.

Appendix F - Waste Flow Table for CCGT Unit No. 1

Monthly Summary Waste Flow Table for 2017

Month	Actual Quantities of Inert C&D Materials Generated Monthly ⁽¹⁾					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete ⁽⁵⁾	Reused in the Contract	Reused in other Projects	Disposed as Public Fill ⁽³⁾	Metals	Paper/ cardboard packaging	Plastics ⁽²⁾	Chemical Waste ⁽⁴⁾	Others, e.g. general refuse ⁽³⁾
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in'000 kg)	(in '000m ³)
Jan-17	0.159	0.000	0	0	0.159	0	0	0	0	0.003
Feb-17	1.772	0.069	0	0	1.703	0	0	0	0	0.007
Mar-17	5.285	0.158	0	0	5.127	44.552	0.004	0.003	0	0.001
Apr-17	0.720	0.012	0	0	0.708	22.160	0	0	0	0.022
May-17	0.048	0.000	0.048	0	0.000	31.750	0	0	0	0.003
Jun-17	11.475	0.130	0	0	11.345	4.550	0	0	0	0.000
Sub-total	19.458	0.369	0.048	0.000	19.042	103.012	0.004	0.003	0.000	0.036
Jul-17	6.815	0.150	0	0	6.664	0	0	0	0	0.000
Aug-17	0.868	0.029	0	0	0.839	9.130	0	0	0.160	0.130
Sep-17	1.339	0.000	0	0	1.339	37.670	0	0	0.020	0.049
Oct-17	0.988	0.006	0	0	0.982	42.620	0	0.747	0	0.041
Nov-17	0.263	0.000	0	0	0.263	6.140	0	0	0	0.016
Dec-17	0.141	0.000		0	0.141	1.590	0	0	0	0.032
Total (2017)	29.871	0.554	0.048	0.000	29.269	200.162	0.004	0.750	0.180	0.303
2016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumulative	29.871	0.554	0.048	0.000	29.269	200.162	0.004	0.750	0.180	0.303

Notes:

- (1) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam form packaging material.
- (3) Density Assumption: 1.6(kg/l) for Public Fill and 0.9(kg/l) for General Refuse.
- (4) Chemical waste includes waste oil. Density of waste oil is assumed to be 0.8 kg/L.
- (5) Density of broken concrete is assumed to be 2.5 ton/m³.

Appendix F - Waste Flow Table for CCGT Unit No. 1

Monthly Summary Waste Flow Table for 2018

Month	Actual Quantities of Inert C&D Materials Generated Monthly ⁽¹⁾					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete ⁽⁵⁾	Reused in the Contract	Reused in other Projects	Disposed as Public Fill ⁽³⁾	Metals	Paper/ cardboard packaging	Plastics ⁽²⁾	Chemical Waste ⁽⁴⁾	Others, e.g. general refuse ⁽³⁾
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in'000 kg)	(in '000m ³)
Jan-18	0.048	0.000	0.000	0.000	0.048	63.782	0.000	0.000	0.000	0.033
Feb-18	0.311	0.000	0.000	0.112	0.199	19.790	0.000	0.000	0.000	0.032
Mar-18	1.923	0.000	0.000	0.007	1.916	34.170	0.000	0.000	0.000	0.058
Apr-18	0.399	0.000	0.000	0.000	0.399	9.500	0.000	0.000	0.000	0.057
May-18	2.638	0.000	0.000	0.000	2.638	34.209	0.000	0.000	0.000	0.074
Jun-18	2.754	0.000	0.000	0.000	2.754	29.080	0.000	0.000	0.000	0.051
Sub-total	8.073	0.000	0.000	0.119	7.954	190.531	0.000	0.000	0.000	0.304
Jul-18	3.488	0.000	0.000	0.000	3.488	2.880	0.000	0.000	0.000	0.057
Aug-18	1.131	0.000	0.000	0.000	1.131	13.970	0.000	0.000	0.000	0.084
Sep-18	2.983	0.000	0.000	0.000	2.983	11.880	0.000	0.000	0.000	0.120
Oct-18	3.028	0.000	0.000	0.000	3.028	22.580	0.000	0.000	0.000	0.118
Nov-18	4.361	0.000	0.000	0.000	4.361	0.000	0.000	0.000	0.000	0.148
Dec-18	10.576	0.000	2.000	0.000	8.576	74.410	0.000	0.000	0.000	0.160
Total (2018)	33.640	0.000	2.000	0.119	31.522	316.251	0.000	0.000	0.000	0.992
2016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	29.871	0.554	0.048	0.000	29.269	200.162	0.004	0.750	0.180	0.303
Cumulative	63.511	0.554	2.048	0.119	60.791	516.413	0.004	0.750	0.180	1.295

Notes:

- (1) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam form packaging material.
- (3) Density Assumption: 1.6(kg/l) for Public Fill and 0.9(kg/l) for General Refuse.
- (4) Chemical waste includes waste oil. Density of waste oil is assumed to be 0.8 kg/L.
- (5) Density of broken concrete is assumed to be 2.5 ton/m³.
- (6) The cut-off data for waste management data is 31 December 2018.

Appendix F - Waste Flow Table for CCGT Unit No. 1

Monthly Summary Waste Flow Table for 2019

Month	Actual Quantities of Inert C&D Materials Generated Monthly ⁽¹⁾					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete ⁽⁵⁾	Reused in the Contract	Reused in other Projects	Disposed as Public Fill ⁽⁶⁾	Metals	Paper/ cardboard packaging	Plastics ⁽²⁾	Chemical Waste ⁽⁴⁾	Others, e.g. general refuse ⁽³⁾
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in'000 kg)	(in '000m ³)
Jan-19	7.770	0.000	1.800	0.000	5.970	42.500	0.000	0.000	0.180	0.164
Feb-19	9.854	0.000	1.600	0.000	8.254	23.960	0.000	0.000	0.200	0.142
Mar-19	10.845	0.000	0.800	0.000	10.045	18.820	0.000	0.000	0.000	0.185
Apr-19	4.090	0.000	0.400	0.000	3.690	95.520	0.000	0.000	0.000	0.101
May-19	4.329	0.000	0.000	0.000	4.329	62.110	0.000	0.000	0.000	0.169
Jun-19	3.753	0.000	0.200	0.000	3.553	73.210	0.000	0.000	0.000	0.220
Sub-total	40.640	0.000	4.800	0.000	35.840	316.120	0.000	0.000	0.380	0.980
Jul-19	4.113	0.000	0.044	0.000	4.070	22.990	0.000	0.000	0.020	0.168
Aug-19	9.329	0.000	0.000	0.000	9.329	35.130	0.000	0.000	0.000	0.162
Sep-19	8.113	0.000	0.000	0.000	8.113	227.710	0.000	0.000	0.000	0.186
Oct-19	5.571	0.000	0.000	0.000	5.571	83.410	0.000	0.000	0.000	0.149
Nov-19	3.448	0.000	0.000	0.000	3.448	44.900	0.000	0.000	0.000	0.182
Dec-19	1.507	0.000	0.000	0.000	1.507	0.000	0.000	0.000	0.000	0.311
Total (2019)	72.722	0.000	4.844	0.000	67.878	730.260	0.000	0.000	0.400	2.137
2016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	29.871	0.554	0.048	0.000	29.269	200.162	0.004	0.750	0.180	0.303
2018	33.640	0.000	2.000	0.119	31.522	316.251	0.000	0.000	0.000	0.992
Cumulative	136.233	0.554	6.892	0.119	128.668	1246.673	0.004	0.750	0.580	3.433

Notes:

- (1) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam form packaging material.
- (3) Density Assumption: 1.6(kg/l) for Public Fill and 0.9(kg/l) for General Refuse.
- (4) Chemical waste includes waste oil and spent pipes with lubricating oil. Density of waste oil is assumed to be 0.8 kg/L.
- (5) Density of broken concrete is assumed to be 2.5 ton/m³.
- (6) The cut-off data for waste management data is 31 December 2019.

Appendix F - Waste Flow Table for CCGT Unit No. 1

Monthly Summary Waste Flow Table for 2020

Month	Actual Quantities of Inert C&D Materials Generated Monthly ⁽¹⁾					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete ⁽⁵⁾	Reused in the Contract	Reused in other Projects	Disposed as Public Fill ⁽³⁾	Metals	Paper/ cardboard packaging	Plastics ⁽²⁾	Chemical Waste ⁽⁴⁾	Others, e.g. general refuse ⁽³⁾
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in'000 kg)	(in '000m ³)
Jan-20	1.252	0.000	0.000	0.000	1.252	0.000	0.000	0.000	0.000	0.273
Feb-20	0.449	0.000	0.000	0.000	0.449	0.000	0.000	0.000	0.000	0.239
Mar-20	0.736	0.000	0.000	0.000	0.736	0.000	0.000	0.000	1.100	0.179
Apr-20	0.793	0.000	0.000	0.000	0.793	0.000	0.000	0.000	0.000	0.121
May-20	0.352	0.000	0.000	0.000	0.352	0.000	0.000	0.000	2.000	0.105
Jun-20	0.044	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.000	0.068
Sub-total	3.627	0.000	0.000	0.000	3.627	0.000	0.000	0.000	3.100	0.984
Jul-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008
Aug-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct-20	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000
Nov-20	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000
Dec-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total (2020)	3.640	0.000	0.000	0.000	3.640	0.000	0.000	0.000	3.100	0.992
2016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	29.871	0.554	0.048	0.000	29.269	200.162	0.004	0.750	0.180	0.303
2018	33.640	0.000	2.000	0.119	31.522	316.251	0.000	0.000	0.000	0.992
2019	72.722	0.000	4.844	0.000	67.878	730.260	0.000	0.000	0.400	2.137
Cumulative	139.873	0.554	6.892	0.119	132.308	1246.673	0.004	0.750	3.680	4.425

Notes:

- (1) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam form packaging material.
- (3) Density Assumption: 1.6(kg/l) for Public Fill and 0.9(kg/l) for General Refuse.
- (4) Chemical waste includes waste oil and spent pipes with lubricating oil. Density of waste oil is assumed to be 0.8 kg/L.
- (5) Density of broken concrete is assumed to be 2.5 ton/m³.
- (6) The cut-off data for waste management data is 31 December 2020.
- (7) The waste flow data for January 2020 has been updated based on Contractor's revised waste flow information.

Appendix F - Waste Flow Table for CCGT Unit No. 1

Monthly Summary Waste Flow Table for 2021

Month	Actual Quantities of Inert C&D Materials Generated Monthly ⁽¹⁾					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete ⁽⁵⁾	Reused in the Contract	Reused in other Projects	Disposed as Public Fill ⁽³⁾	Metals	Paper/ cardboard packaging	Plastics ⁽²⁾	Chemical Waste ⁽⁴⁾	Others, e.g. general refuse ⁽³⁾
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in'000 kg)	(in '000m ³)
Jan-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub-total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total (2021)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	29.871	0.554	0.048	0.000	29.269	200.162	0.004	0.750	0.180	0.303
2018	33.640	0.000	2.000	0.119	31.522	316.251	0.000	0.000	0.000	0.992
2019	72.722	0.000	4.844	0.000	67.878	730.260	0.000	0.000	0.400	2.137
2020	3.640	0.000	0.000	0.000	3.640	0.000	0.000	0.000	3.100	0.992
Cumulative	139.873	0.554	6.892	0.119	132.308	1246.673	0.004	0.750	3.680	4.425

Notes:

- (1) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam form packaging material.
- (3) Density Assumption: 1.6(kg/l) for Public Fill and 0.9(kg/l) for General Refuse.
- (4) Chemical waste includes waste oil and spent pipes with lubricating oil. Density of waste oil is assumed to be 0.8 kg/L.
- (5) Density of broken concrete is assumed to be 2.5 ton/m³.
- (6) The cut-off data for waste management data is 31 May 2021.
- (7) The waste flow data for January 2020 has been updated based on Contractor's revised waste flow information.