

Annex D5

Thermal Oxidizer, Landfill
Gas Flare and Landfill Gas
Generator Stack Emission
Monitoring Results

Table D5.1 Thermal Oxidiser Stack Emission Monitoring Results

Parameters	Monitoring Results (January 2022)
NO ₂	0.38 gs ⁻¹
CO	0.047 gs ⁻¹
SO ₂	<0.015 gs ⁻¹
Benzene	<4 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<3 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.9 ms ⁻¹
Parameters	Monitoring Results (February 2022)
NO ₂	1.17 gs ⁻¹
CO	0.06 gs ⁻¹
SO ₂	0.02 gs ⁻¹
Benzene	<3 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<3 x 10 ⁻⁵ gs ⁻¹
Non-methane Organic Carbons	3.6 x 10 ⁻³ gs ⁻¹
Ammonia	6.52 x 10 ⁻² gs ⁻¹
Exhaust gas velocity	9.9 ms ⁻¹
Parameters	Monitoring Results (March 2022)
NO ₂	1.54 gs ⁻¹
CO	0.04 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<3 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.1 ms ⁻¹
Parameters	Monitoring Results (April 2022)
NO ₂	0.63 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<6 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	6.6 ms ⁻¹
Parameters	Monitoring Results (May 2022)
NO ₂	0.11 gs ⁻¹
CO	<0.02 gs ⁻¹
SO ₂	0.06 gs ⁻¹
Benzene	<3 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<4 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	0.0048 gs ⁻¹
Ammonia (NH ₃)	0.01 gs ⁻¹
Exhaust gas velocity	11 ms ⁻¹
Parameters	Monitoring Results (June 2022)
NO ₂	0.39 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<2 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.0 ms ⁻¹

Parameters	Monitoring Results (July 2022)
NO ₂	0.89 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<2.1 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.7 ms ⁻¹
Parameters	Monitoring Results (August 2022)
NO ₂	0.86 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.02 gs ⁻¹
Non-Methane Organic Carbon	0.0055 gs ⁻¹
Benzene	<3 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁵ gs ⁻¹
Ammonia	0.232 gs ⁻¹
Exhaust gas velocity	9.3 ms ⁻¹
Parameters	Monitoring Results (September 2022)
NO ₂	0.38 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<2 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁴ gs ⁻¹
Ammonia	0.0414 gs ⁻¹
Exhaust gas velocity	11.2 ms ⁻¹
Parameters	Monitoring Results (October 2022)
NO ₂	0.39 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	0.04 gs ⁻¹
Benzene	<2 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.9 ms ⁻¹
Parameters	Monitoring Results (November 2022)
NO ₂	0.28 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	0.07 gs ⁻¹
Benzene	<1.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.0 x 10 ⁻⁴ gs ⁻¹
Non-Methane Organic Carbons	<0.002 gs ⁻¹
Ammonia	0.0423 gs ⁻¹
Exhaust gas velocity	6.8 ms ⁻¹
Parameters	Monitoring Results (December 2022)
NO ₂	1.06 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	0.03 gs ⁻¹
Benzene	<1.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.0 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	7.9 ms ⁻¹

Table D5.2 Thermal Oxidiser Stack Continuous Monitoring Results

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms⁻¹)^(a)
01 Jan 22	983	1246	
02 Jan 22	963	1236	
03 Jan 22	975	1231	
04 Jan 22	971	1234	
05 Jan 22	971	1242	
06 Jan 22	974	1243	
07 Jan 22	993	1265	
08 Jan 22	982	1242	
09 Jan 22	964	1235	
10 Jan 22	973	1232	
11 Jan 22	966	1230	
12 Jan 22	966	1223	
13 Jan 22	952	1226	
14 Jan 22	987	1241	
15 Jan 22	959	1223	
16 Jan 22	963	1223	9.9
17 Jan 22	975	1243	
18 Jan 22	968	1233	
19 Jan 22	956	1218	
20 Jan 22	979	1244	
21 Jan 22	968	1241	
22 Jan 22	975	1241	
23 Jan 22	970	1247	
24 Jan 22	987	1235	
25 Jan 22	971	1232	
26 Jan 22	994	1264	
27 Jan 22	967	1232	
28 Jan 22	975	1242	
29 Jan 22	968	1230	
30 Jan 22	973	1236	
31 Jan 22	968	1234	
01 Feb 22	- (b)	- (b)	
02 Feb 22	- (b)	- (b)	
03 Feb 22	963	1221	
04 Feb 22	976	1232	
05 Feb 22	970	1227	
06 Feb 22	984	1234	
07 Feb 22	968	1231	
08 Feb 22	970	1236	
09 Feb 22	969	1228	
10 Feb 22	977	1239	
11 Feb 22	972	1232	
12 Feb 22	984	1241	
13 Feb 22	965	1231	9.9
14 Feb 22	972	1220	
15 Feb 22	969	1234	
16 Feb 22	966	1234	
17 Feb 22	975	1238	
18 Feb 22	975	1235	
19 Feb 22	969	1230	
20 Feb 22	958	1222	
21 Feb 22	975	1225	
22 Feb 22	963	1229	
23 Feb 22	980	1221	
24 Feb 22	964	1227	

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)
25 Feb 22	976	1239	
26 Feb 22	981	1233	
27 Feb 22	964	1226	
28 Feb 22	1013	1219	
01 Mar 22	970	1230	
02 Mar 22	971	1221	
03 Mar 22	983	1244	
04 Mar 22	969	1223	
05 Mar 22	975	1234	
06 Mar 22	964	1219	
07 Mar 22	1015	1222	
08 Mar 22	983	1230	
09 Mar 22	974	1231	
10 Mar 22	972	1221	
11 Mar 22	969	1235	
12 Mar 22	979	1237	
13 Mar 22	959	1223	
14 Mar 22	981	1232	
15 Mar 22	993	1248	
16 Mar 22	978	1227	9.1
17 Mar 22	971	1232	
18 Mar 22	978	1233	
19 Mar 22	974	1228	
20 Mar 22	968	1222	
21 Mar 22	967	1225	
22 Mar 22	1028	1276	
23 Mar 22	Under maintenance	-	
24 Mar 22	1035	1246	
25 Mar 22	962	1214	
26 Mar 22	967	1217	
27 Mar 22	960	1218	
28 Mar 22	984	1236	
29 Mar 22	982	1223	
30 Mar 22	977	1234	
31 Mar 22	967	1228	
01 Apr 22	980	1238	
02 Apr 22	964	1242	
03 Apr 22	955	1236	
04 Apr 22	973	1224	
05 Apr 22	956	1231	
06 Apr 22	980	1216	
07 Apr 22	955	1233	
08 Apr 22	956	1217	
09 Apr 22	972	1200	
10 Apr 22	950	1244	
11 Apr 22	974	1234	
12 Apr 22	949	1220	
13 Apr 22	Under Maintenance	-	
14 Apr 22	961	1232	
15 Apr 22	946	1242	6.6
16 Apr 22	935	1225	
17 Apr 22	942	1225	
18 Apr 22	965	1231	
19 Apr 22	928	1235	
20 Apr 22	920	1214	
21 Apr 22	958	1213	
22 Apr 22	978	1247	
23 Apr 22	929	1237	

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)
24 Apr 22	928	1225	
25 Apr 22	970	1215	
26 Apr 22	972	1325	
27 Apr 22	944	1241	
28 Apr 22	Under Maintenance	-	
29 Apr 22	955	1215	
30 Apr 22	930	1234	
01 May 22	937	1201	
02 May 22	926	1193	
03 May 22	948	1215	
04 May 22	Under Maintenance	-	
05 May 22	Under Maintenance	-	
06 May 22	Under Maintenance	-	
07 May 22	936	1205	
08 May 22	935	1205	
09 May 22	928	1197	
10 May 22	Under Maintenance	-	
11 May 22	935	1201	
12 May 22	940	1205	
13 May 22	935	1194	
14 May 22	943	1202	11.0
15 May 22	949	1199	
16 May 22	927	1188	
17 May 22	930	1197	
18 May 22	935	1196	
19 May 22	Under Maintenance	-	
20 May 22	912	1182	
21 May 22	933	1197	
22 May 22	944	1209	
23 May 22	921	1197	
24 May 22	928	1197	
25 May 22	933	1203	
26 May 22	931	1207	
27 May 22	943	1211	
28 May 22	901	1190	
29 May 22	946	1210	
30 May 22	944	1211	
31 May 22	948	1216	
01 Jun 22	930	1202	
02 Jun 22	924	1199	
03 Jun 22	929	1203	
04 Jun 22	936	1206	
05 Jun 22	927	1198	
06 Jun 22	926	1196	
07 Jun 22	929	1195	
08 Jun 22	927	1185	
09 Jun 22	927	1173	
10 Jun 22	924	1157	
11 Jun 22	924	1167	
12 Jun 22	931	1169	9.0
13 Jun 22	925	1165	
14 Jun 22	929	1164	
15 Jun 22	926	1167	
16 Jun 22	930	1169	
17 Jun 22	930	1171	
18 Jun 22	922	1165	
19 Jun 22	925	1168	
20 Jun 22	918	1166	

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)
21 Jun 22	915	1162	
22 Jun 22	927	1168	
23 Jun 22	924	1170	
24 Jun 22	921	1167	
25 Jun 22	920	1170	
26 Jun 22	Under Maintenance	-	
27 Jun 22	Under Maintenance	-	
28 Jun 22	Under Maintenance	-	
29 Jun 22	Under Maintenance	-	
30 Jun 22	923	1148	
01 Jul 22	928	1168	
02 Jul 22	924	1167	
03 Jul 22	923	1165	
04 Jul 22	924	1171	
05 Jul 22	923	1172	
06 Jul 22	928	1171	
07 Jul 22	923	1170	
08 Jul 22	929	1171	
09 Jul 22	920	1169	
10 Jul 22	924	1172	
11 Jul 22	930	1172	
12 Jul 22	Under Maintenance	-	
13 Jul 22	Under Maintenance	-	
14 Jul 22	934	1169	
15 Jul 22	926	1170	
16 Jul 22	920	1168	9.7
17 Jul 22	928	1171	
18 Jul 22	929	1162	
19 Jul 22	918	1167	
20 Jul 22	932	1175	
21 Jul 22	924	1172	
22 Jul 22	918	1169	
23 Jul 22	924	1173	
24 Jul 22	927	1173	
25 Jul 22	925	1170	
26 Jul 22	924	1168	
27 Jul 22	925	1170	
28 Jul 22	930	1172	
29 Jul 22	922	1168	
30 Jul 22	924	1168	
31 Jul 22	927	1167	
01 Aug 22	924	1181	
02 Aug 22	933	1229	
03 Aug 22	928	1227	
04 Aug 22	930	1230	
05 Aug 22	926	1227	
06 Aug 22	929	1228	
07 Aug 22	926	1227	
08 Aug 22	917	1224	
09 Aug 22	880	1230	
10 Aug 22	924	1231	
11 Aug 22	923	1227	
12 Aug 22	923	1225	
13 Aug 22	920	1226	
14 Aug 22	921	1229	
15 Aug 22	928	1234	
16 Aug 22	925	1233	
17 Aug 22	921	1232	9.3

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)
18 Aug 22	927	1231	
19 Aug 22	927	1232	
20 Aug 22	928	1233	
21 Aug 22	924	1234	
22 Aug 22	924	1239	
23 Aug 22	921	1235	
24 Aug 22	924	1236	
25 Aug 22	928	1236	
26 Aug 22	926	1237	
27 Aug 22	929	1241	
28 Aug 22	921	1237	
29 Aug 22	921	1239	
30 Aug 22	920	1238	
31 Aug 22	948	1216	
01 Sep 22	923	1236	
02 Sep 22	925	1225	
03 Sep 22	930	1239	
04 Sep 22	921	1235	
05 Sep 22	917	1235	
06 Sep 22	925	1233	
07 Sep 22	926	1234	
08 Sep 22	932	1240	
09 Sep 22	912	1234	
10 Sep 22	923	1236	
11 Sep 22	925	1237	
12 Sep 22	928	1237	11.2
13 Sep 22	924	1236	
14 Sep 22	926	1231	
15 Sep 22	921	1235	
16 Sep 22	926	1238	
17 Sep 22	924	1236	
18 Sep 22	922	1235	
19 Sep 22	932	1242	
20 Sep 22	929	1248	
21 Sep 22	923	1242	
22 Sep 22	925	1244	
23 Sep 22	922	1242	
24 Sep 22	920	1239	
25 Sep 22	921	1241	
26 Sep 22	924	1244	
27 Sep 22	922	1242	
28 Sep 22	925	1244	
29 Sep 22	920	1243	
30 Sep 22	917	1239	
01 Oct 22	920	1240	
02 Oct 22	924	1246	
03 Oct 22	921	1238	
04 Oct 22	928	1444	
05 Oct 22	921	1593	
06 Oct 22	928	1486	
07 Oct 22	934	1334	
08 Oct 22	930	1280	
09 Oct 22	926	1272	
10 Oct 22	926	1243	
11 Oct 22	930	1264	
12 Oct 22	928	1206	11.9
13 Oct 22	922	1205	
14 Oct 22	935	1205	

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)
15 Oct 22	931	1206	
16 Oct 22	927	1204	
17 Oct 22	931	1206	
18 Oct 22	928	1208	
19 Oct 22	901	1189	
20 Oct 22	934	1210	
21 Oct 22	934	1215	
22 Oct 22	927	1207	
23 Oct 22	917	1184	
24 Oct 22	927	1212	
25 Oct 22	912	1193	
26 Oct 22	920	1207	
27 Oct 22	931	1206	
28 Oct 22	937	1210	
29 Oct 22	933	1209	
30 Oct 22	933	1204	
31 Oct 22	912	1147	
01 Nov 22	906	1125	
02 Nov 22	977	1270	
03 Nov 22	928	1200	
04 Nov 22	967	1266	
05 Nov 22	967	1254	
06 Nov 22	952	1236	
07 Nov 22	967	1250	
08 Nov 22	955	1240	
09 Nov 22	962	1247	
10 Nov 22	964	1251	
11 Nov 22	943	1232	
12 Nov 22	954	1241	
13 Nov 22	960	1246	
14 Nov 22	950	1236	
15 Nov 22	952	1239	
16 Nov 22	953	1240	6.8
17 Nov 22	957	1238	
18 Nov 22	933	1208	
19 Nov 22	945	1223	
20 Nov 22	964	1247	
21 Nov 22	938	1202	
22 Nov 22	939	1216	
23 Nov 22	923	1203	
24 Nov 22	925	1190	
25 Nov 22	930	1195	
26 Nov 22	910	1174	
27 Nov 22	953	1243	
28 Nov 22	950	1222	
29 Nov 22	935	1204	
30 Nov 22	928	1184	
01 Dec 22	922	1177	
02 Dec 22	915	1145	
03 Dec 22	916	1168	
04 Dec 22	933	1188	
05 Dec 22	918	1163	
06 Dec 22	927	1172	
07 Dec 22	922	1176	
08 Dec 22	926	1180	
09 Dec 22	920	1179	
10 Dec 22	924	1211	
11 Dec 22	922	1187	

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)
12 Dec 22	925	1176	
13 Dec 22	926	1177	7.9
14 Dec 22	925	1167	
15 Dec 22	919	1178	
16 Dec 22	934	1219	
17 Dec 22	922	1161	
18 Dec 22	927	1174	
19 Dec 22	926	1194	
20 Dec 22	924	1197	
21 Dec 22	923	1198	
22 Dec 22	921	1204	
23 Dec 22	927	1218	
24 Dec 22	924	1216	
25 Dec 22	927	1222	
26 Dec 22	926	1283	
27 Dec 22	909	1225	
28 Dec 22	919	1231	
29 Dec 22	923	1233	
30 Dec 22	921	1228	
31 Dec 22	928	1236	
Average	942.1	1218.3	9.4
Min	880	1125	6.6
Max	1035	1593	11.9

Notes:

(a) The exhaust gas velocity was calculated based on the cross-section area of the stack and the gas flow and combustion temperature data measured during the stack emission monitoring.

(b) Stack emission monitoring was suspended on 1 and 2 February 2022 as the thermal oxidiser was not in operation.

Table D5.3 Landfill Gas Flare Stack Emission Monitoring Results

Parameters	Monitoring Results (January 2022)	
	Flare 1 - F601	Flare 2 - F602
NO ₂	<0.01 gs ⁻¹	<0.01 gs ⁻¹
CO	0.032 gs ⁻¹	0.04 gs ⁻¹
SO ₂	0.09 gs ⁻¹	0.10 gs ⁻¹
Benzene	1.3 × 10 ⁻⁵ gs ⁻¹	1.6 × 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.1 × 10 ⁻⁵ gs ⁻¹	<1.3 × 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	4.3 ms ⁻¹	2.0 ms ⁻¹
Parameters	Monitoring Results (February 2022)	
	Flare 1 - F601	
NO ₂	<0.01 gs ⁻¹	
CO	0.027 gs ⁻¹	
SO ₂	0.110 gs ⁻¹	
Benzene	5.1 × 10 ⁻⁵ gs ⁻¹	
Vinyl chloride	<1.1 × 10 ⁻⁵ gs ⁻¹	
Non-methane Organic Carbons	4.1 × 10 ⁻³ gs ⁻¹	
Exhaust gas velocity	4.4 ms ⁻¹	

Parameters	Monitoring Results (March 2022)
	Flare 2 - F602
NO ₂	0.02 gs ⁻¹
CO	0.056 gs ⁻¹
SO ₂	0.007 gs ⁻¹
Benzene	<1.2 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	3.9 ms ⁻¹
Parameters	Monitoring Results (April 2022)
	Flare 1 - F601
NO ₂	0.03 gs ⁻¹
CO	<0.005 gs ⁻¹
SO ₂	<0.005 gs ⁻¹
Benzene	<1.3 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	4.5 ms ⁻¹
Parameters	Monitoring Results (May 2022)
	Flare 2 - F602
NO ₂	0.01 gs ⁻¹
CO	0.04 gs ⁻¹
SO ₂	0.06 gs ⁻¹
Benzene	<1.8 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.5 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	<0.0014 gs ⁻¹
Exhaust gas velocity	2.7 ms ⁻¹
Parameters	Monitoring Results (June 2022)
	Flare 1 - F601
NO ₂	0.03 gs ⁻¹
CO	0.098 gs ⁻¹
SO ₂	0.11 gs ⁻¹
Benzene	<3.6 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.6 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	8.3 ms ⁻¹
Parameters	Monitoring Results (July 2022)
	Flare 2 - F602
NO ₂	<0.01 gs ⁻¹
CO	0.53 gs ⁻¹
SO ₂	0.01 gs ⁻¹
Benzene	<1.8 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.4 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	6.5 ms ⁻¹

Parameters	Monitoring Results (August 2022)
	Flare 1 - F601
NO ₂	<0.02 gs ⁻¹
CO	0.83 gs ⁻¹
SO ₂	0.12 gs ⁻¹
Non-Methane Organic Carbon	<0.002 gs ⁻¹
Benzene	<2.5 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<2.0 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	8.9 ms ⁻¹
Parameters	Monitoring Results (September 2022)
	Flare 1 - F601
NO ₂	<0.02 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<1.23 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.8 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	8.9 ms ⁻¹
Parameters	Monitoring Results (October 2022)
	Flare 1 - F601
NO ₂	0.013 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	0.26 gs ⁻¹
Benzene	<1.22 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.8 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	6.5 ms ⁻¹
Parameters	Monitoring Results (November 2022)
	Flare 1 - F601
NO ₂	<0.02 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	1.27 gs ⁻¹
Benzene	<1.22 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.8 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	<0.002 gs ⁻¹
Exhaust gas velocity	8.9 ms ⁻¹
Parameters	Monitoring Results (December 2022)
	Flare 1 - F601
NO ₂	0.03 gs ⁻¹
CO	0.783 gs ⁻¹
SO ₂	0.16 gs ⁻¹
Benzene	6.61 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.35 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	12.8 ms ⁻¹

Table D5.4 Landfill Gas Flare Stack Continuous Monitoring Results

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
Flare 1 - F601				
01 Jan 22	-	-		Standby
02 Jan 22	-	-		Standby
03 Jan 22	1072	1115		In Operation
04 Jan 22	907	1143		In Operation
05 Jan 22	920	1133		In Operation
06 Jan 22	931	1163		In Operation
07 Jan 22	891	1023		In Operation
08 Jan 22	929	1143		In Operation
09 Jan 22	-	-		Standby
10 Jan 22	1077	1183		In Operation
11 Jan 22	-	-		Standby
12 Jan 22	854	1028		In Operation
13 Jan 22	1156	1184		In Operation
14 Jan 22	968	1133		In Operation
15 Jan 22	999	1133		In Operation
16 Jan 22	1051	1133	4.3	In Operation
17 Jan 22	1171	1133		In Operation
18 Jan 22	-	-		Standby
19 Jan 22	1076	1189		In Operation
20 Jan 22	-	-		Standby
21 Jan 22	1064	1223		In Operation
22 Jan 22	1037	1163		In Operation
23 Jan 22	1087	1163		In Operation
24 Jan 22	992	1123		In Operation
25 Jan 22	1015	1223		In Operation
26 Jan 22	-	-		Standby
27 Jan 22	-	-		Standby
28 Jan 22	-	-		Standby
29 Jan 22	-	-		Standby
30 Jan 22	-	-		Standby
31 Jan 22	-	-		Standby
01 Feb 22	-	-		Standby
02 Feb 22	-	-		Standby
03 Feb 22	-	-		Standby
04 Feb 22	-	-		Standby
05 Feb 22	-	-		Standby
06 Feb 22	-	-		Standby
07 Feb 22	-	-		Standby
08 Feb 22	-	-		Standby
09 Feb 22	995	1213		In Operation
10 Feb 22	-	-		Standby
11 Feb 22	-	-		Standby
12 Feb 22	930	1181		In Operation
13 Feb 22	-	-		Standby
14 Feb 22	816	1083	4.4	In Operation
15 Feb 22	-	-		Standby
16 Feb 22	-	-		Standby
17 Feb 22	-	-		Standby
18 Feb 22	-	-		Standby
19 Feb 22	-	-		Standby
20 Feb 22	-	-		Standby
21 Feb 22	832	1093		In Operation
22 Feb 22	-	-		Standby
23 Feb 22	-	-		Standby

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status
24 Feb 22	-	-		Standby
25 Feb 22	-	-		Standby
26 Feb 22	-	-		Standby
27 Feb 22	-	-		Standby
28 Feb 22	-	-		Standby
01 Mar 22	-	-		Standby
02 Mar 22	-	-		Standby
03 Mar 22	-	-		Standby
04 Mar 22	986	1181		In operation
05 Mar 22	-	-		Standby
06 Mar 22	-	-		Standby
07 Mar 22	-	-		Standby
08 Mar 22	-	-		Standby
09 Mar 22	880	1133		In operation
10 Mar 22	-	-		Standby
11 Mar 22	-	-		Standby
12 Mar 22	-	-		Standby
13 Mar 22	-	-		Standby
14 Mar 22	-	-		Standby
15 Mar 22	-	-		Standby
16 Mar 22	-	-	3.9	Standby
17 Mar 22	-	-		Standby
18 Mar 22	-	-		Standby
19 Mar 22	-	-		Standby
20 Mar 22	-	-		Standby
21 Mar 22	-	-		Standby
22 Mar 22	-	-		Standby
23 Mar 22	-	-		Standby
24 Mar 22	-	-		Standby
25 Mar 22	-	-		Standby
26 Mar 22	990	1223		In operation
27 Mar 22	830	1093		In operation
28 Mar 22	880	1113		In operation
29 Mar 22	860	1073		In operation
30 Mar 22	-	-		Standby
31 Mar 22	950	1173		In operation
01 Apr 22	-	-		Standby
02 Apr 22	-	-		Standby
03 Apr 22	870	1113		In Operation
04 Apr 22	-	-		Standby
05 Apr 22	-	-		Standby
06 Apr 22	-	-		Standby
07 Apr 22	-	-		Standby
08 Apr 22	840	1093		In Operation
09 Apr 22	-	-		Standby
10 Apr 22	-	-		Standby
11 Apr 22	-	-		Standby
12 Apr 22	860	1103		In Operation
13 Apr 22	860	1103		In Operation
14 Apr 22	-	-		Standby
15 Apr 22	-	-		Standby
16 Apr 22	-	-	4.5	Standby
17 Apr 22	880	1123		In Operation
18 Apr 22	-	-		Standby
19 Apr 22	-	-		Standby
20 Apr 22	850	1113		In Operation
21 Apr 22	-	-		Standby
22 Apr 22	900	1093		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
23 Apr 22	920	1123		In Operation
24 Apr 22	-	-		Standby
25 Apr 22	988	1203		In Operation
26 Apr 22	930	1103		In Operation
27 Apr 22	820	1078		In Operation
28 Apr 22	870	1093		In Operation
29 Apr 22	840	1083		In Operation
30 Apr 22	860	1033		In Operation
01 May 22	940	983		In Operation
02 May 22	860	953		In Operation
03 May 22	850	973		In Operation
04 May 22	850	953		In Operation
05 May 22	990	1053		In Operation
06 May 22	990	1063		In Operation
07 May 22	980	1023		In Operation
08 May 22	890	983		In Operation
09 May 22	940	983		In Operation
10 May 22	-	-		Standby
11 May 22	-	-		Standby
12 May 22	-	-		Standby
13 May 22	850	983		In Operation
14 May 22	-	-		Standby
15 May 22	-	-	2.7	Standby
16 May 22	930	983		In Operation
17 May 22	880	973		In Operation
18 May 22	847	1063		In Operation
19 May 22	830	1063		In Operation
20 May 22	-	-		Standby
21 May 22	880	1053		In Operation
22 May 22	820	943		In Operation
23 May 22	850	953		In Operation
24 May 22	870	983		In Operation
25 May 22	950	1003		In Operation
26 May 22	880	953		In Operation
27 May 22	860	1073		In Operation
28 May 22	830	953		In Operation
29 May 22	910	1033		In Operation
30 May 22	870	983		In Operation
31 May 22	900	1013		In Operation
01 Jun 22	867	993		In Operation
02 Jun 22	940	1083		In Operation
03 Jun 22	920	1083		In Operation
04 Jun 22	890	1023		In Operation
05 Jun 22	880	1033		In Operation
06 Jun 22	940	1033		In Operation
07 Jun 22	822	1013		In Operation
08 Jun 22	880	1053		In Operation
09 Jun 22	930	1123		In Operation
10 Jun 22	870	1053		In Operation
11 Jun 22	890	1143		In Operation
12 Jun 22	970	1033		In Operation
13 Jun 22	870	1013		In Operation
14 Jun 22	-	-		Standby
15 Jun 22	840	1043	8.3	In Operation
16 Jun 22	-	-		Standby
17 Jun 22	940	1083		In Operation
18 Jun 22	-	-		Standby
19 Jun 22	-	-		Standby

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
20 Jun 22	-	-		Standby
21 Jun 22	-	-		Standby
22 Jun 22	900	1013		In Operation
23 Jun 22	830	983		In Operation
24 Jun 22	900	1003		In Operation
25 Jun 22	860	1063		In Operation
26 Jun 22	842	1073		In Operation
27 Jun 22	850	1043		In Operation
28 Jun 22	900	1023		In Operation
29 Jun 22	886	1024		In Operation
30 Jun 22	878	993		In Operation
01 Jul 22	923	1029		In Operation
02 Jul 22	911	999		In Operation
03 Jul 22	891	1068		In Operation
04 Jul 22	899	1073		In Operation
05 Jul 22	902	1072		In Operation
06 Jul 22	822	1070		In Operation
07 Jul 22	947	1045		In Operation
08 Jul 22	894	990		In Operation
09 Jul 22	915	1037		In Operation
10 Jul 22	901	1057		In Operation
11 Jul 22	895	1025		In Operation
12 Jul 22	940	1063		In Operation
13 Jul 22	836	1060		In Operation
14 Jul 22	950	1033		In Operation
15 Jul 22	880	973		In Operation
16 Jul 22	900	1013	6.5	In Operation
17 Jul 22	885	1028		In Operation
18 Jul 22	920	1033		In Operation
19 Jul 22	950	1083		In Operation
20 Jul 22	920	1073		In Operation
21 Jul 22	890	1033		In Operation
22 Jul 22	880	1053		In Operation
23 Jul 22	920	1053		In Operation
24 Jul 22	900	1053		In Operation
25 Jul 22	890	1003		In Operation
26 Jul 22	955	998		In Operation
27 Jul 22	860	1033		In Operation
28 Jul 22	880	1013		In Operation
29 Jul 22	900	963		In Operation
30 Jul 22	860	993		In Operation
31 Jul 22	920	1063		In Operation
01 Aug 22	874	1139		In Operation
02 Aug 22	858	1129		In Operation
03 Aug 22	841	1096		In Operation
04 Aug 22	828	1040		In Operation
05 Aug 22	943	1203		In Operation
06 Aug 22	897	1163		In Operation
07 Aug 22	920	1183		In Operation
08 Aug 22	920	1153		In Operation
09 Aug 22	863	1123		In Operation
10 Aug 22	865	1093		In Operation
11 Aug 22	848	1023		In Operation
12 Aug 22	899	1141		In Operation
13 Aug 22	940	1203		In Operation
14 Aug 22	910	1001	8.9	In Operation
15 Aug 22	875	1043		In Operation
16 Aug 22	930	1083		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
17 Aug 22	913	1170		In Operation
18 Aug 22	826	1073		In Operation
19 Aug 22	872	1118		In Operation
20 Aug 22	880	1023		In Operation
21 Aug 22	865	1095		In Operation
22 Aug 22	864	1013		In Operation
23 Aug 22	950	1150		In Operation
24 Aug 22	966	1248		In Operation
25 Aug 22	873	993		In Operation
26 Aug 22	910	1163		In Operation
27 Aug 22	860	1123		In Operation
28 Aug 22	863	1028		In Operation
29 Aug 22	920	1133		In Operation
30 Aug 22	930	1183		In Operation
31 Aug 22	884	1073		In Operation
01 Sep 22	828	991		In Operation
02 Sep 22	839	1035		In Operation
03 Sep 22	901	1036		In Operation
04 Sep 22	840	1091		In Operation
05 Sep 22	869	1127		In Operation
06 Sep 22	875	1003		In Operation
07 Sep 22	892	1033		In Operation
08 Sep 22	875	996		In Operation
09 Sep 22	877	1004		In Operation
10 Sep 22	865	1027		In Operation
11 Sep 22	-	-		Under Maintenance
12 Sep 22	-	-		Under Maintenance
13 Sep 22	838	1073		In Operation
14 Sep 22	883	1056		In Operation
15 Sep 22	894	1020	8.9	In Operation
16 Sep 22	881	1003		In Operation
17 Sep 22	859	1103		In Operation
18 Sep 22	944	1077		In Operation
19 Sep 22	890	1113		In Operation
20 Sep 22	868	1005		In Operation
21 Sep 22	873	987		In Operation
22 Sep 22	890	987		In Operation
23 Sep 22	820	1067		In Operation
24 Sep 22	824	1073		In Operation
25 Sep 22	-	-		Under Maintenance
26 Sep 22	848	1099		In Operation
27 Sep 22	-	-		Under Maintenance
28 Sep 22	840	1047		In Operation
29 Sep 22	868	1113		In Operation
30 Sep 22	822	1033		In Operation
01 Oct 22	924	1074		In Operation
02 Oct 22	910	988		In Operation
03 Oct 22	954	1183		In Operation
04 Oct 22	-	-		Under Maintenance
05 Oct 22	945	1006		In Operation
06 Oct 22	820	1023		In Operation
07 Oct 22	990	1013		In Operation
08 Oct 22	880	1073		In Operation
09 Oct 22	990	1163		In Operation
10 Oct 22	880	1083		In Operation
11 Oct 22	990	1083		In Operation
12 Oct 22	970	1093		In Operation
13 Oct 22	830	993		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
14 Oct 22	830	1073		In Operation
15 Oct 22	900	1033		In Operation
16 Oct 22	890	1003	6.5	In Operation
17 Oct 22	980	1083		In Operation
18 Oct 22	900	1063		In Operation
19 Oct 22	900	1153		In Operation
20 Oct 22	935	1073		In Operation
21 Oct 22	950	1113		In Operation
22 Oct 22	925	1073		In Operation
23 Oct 22	890	1063		In Operation
24 Oct 22	820	1023		In Operation
25 Oct 22	960	1103		In Operation
26 Oct 22	880	1023		In Operation
27 Oct 22	960	1073		In Operation
28 Oct 22	890	1033		In Operation
29 Oct 22	850	1013		In Operation
30 Oct 22	870	1023		In Operation
31 Oct 22	820	1003		In Operation
01 Nov 22	890	1050		In Operation
02 Nov 22	865	1068		In Operation
03 Nov 22	871	1030		In Operation
04 Nov 22	859	1063		In Operation
05 Nov 22	870	1079		In Operation
06 Nov 22	860	1063		In Operation
07 Nov 22	845	1073		In Operation
08 Nov 22	850	1073		In Operation
09 Nov 22	835	1053		In Operation
10 Nov 22	830	1063		In Operation
11 Nov 22	860	1033		In Operation
12 Nov 22	860	1063		In Operation
13 Nov 22	830	1063		In Operation
14 Nov 22	830	1053		In Operation
15 Nov 22	860	1043	8.9	In Operation
16 Nov 22	860	1073		In Operation
17 Nov 22	850	1073		In Operation
18 Nov 22	870	1063		In Operation
19 Nov 22	840	1033		In Operation
20 Nov 22	850	1093		In Operation
21 Nov 22	850	1053		In Operation
22 Nov 22	850	1073		In Operation
23 Nov 22	-	-		Under Maintenance
24 Nov 22	-	-		Under Maintenance
25 Nov 22	890	1083		In Operation
26 Nov 22	820	1073		In Operation
27 Nov 22	880	1083		In Operation
28 Nov 22	870	1093		In Operation
29 Nov 22	880	1073		In Operation
30 Nov 22	850	1053		In Operation
01 Dec 22	890	1089		In Operation
02 Dec 22	860	1093		In Operation
03 Dec 22	870	1063		In Operation
04 Dec 22	910	1033		In Operation
05 Dec 22	890	1073		In Operation
06 Dec 22	890	1103		In Operation
07 Dec 22	850	1063		In Operation
08 Dec 22	840	1053		In Operation
09 Dec 22	860	1083		In Operation
10 Dec 22	890	1093		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
11 Dec 22	870	1093		In Operation
12 Dec 22	880	1043		In Operation
13 Dec 22	890	1083		In Operation
14 Dec 22	870	1033		In Operation
15 Dec 22	860	1093	12.8	In Operation
16 Dec 22	860	1063		In Operation
17 Dec 22	870	1063		In Operation
18 Dec 22	-	-		Under Maintenance
19 Dec 22	870	1063		In Operation
20 Dec 22	860	1083		In Operation
21 Dec 22	870	1043		In Operation
22 Dec 22	880	1113		In Operation
23 Dec 22	860	1033		In Operation
24 Dec 22	880	1043		In Operation
25 Dec 22	880	1033		In Operation
26 Dec 22	870	1113		In Operation
27 Dec 22	900	1153		In Operation
28 Dec 22	890	1133		In Operation
29 Dec 22	880	1053		In Operation
30 Dec 22	870	1083		In Operation
31 Dec 22	860	1113		In Operation
Average	893.8	1068	6.7	
Min	816	943	2.7	
Max	1171	1248	12.8	
Flare 2 - F602				
01 Jan 22	824	1058		In Operation
02 Jan 22	820	1060		In Operation
03 Jan 22	822	1061		In Operation
04 Jan 22	827	1071		In Operation
05 Jan 22	824	1049		In Operation
06 Jan 22	826	1069		In Operation
07 Jan 22	828	1069		In Operation
08 Jan 22	826	1074		In Operation
09 Jan 22	1082	1226		In Operation
10 Jan 22	908	1119		In Operation
11 Jan 22	970	1148		In Operation
12 Jan 22	905	1102		In Operation
13 Jan 22	923	1062		In Operation
14 Jan 22	904	1093		In Operation
15 Jan 22	1171	1099		In Operation
16 Jan 22	877	1283	2.0	In Operation
17 Jan 22	874	1061		In Operation
18 Jan 22	872	1067		In Operation
19 Jan 22	873	1060		In Operation
20 Jan 22	843	1045		In Operation
21 Jan 22	900	1120		In Operation
22 Jan 22	873	1096		In Operation
23 Jan 22	1080	1241		In Operation
24 Jan 22	933	1204		In Operation
25 Jan 22	905	1132		In Operation
26 Jan 22	965	1142		In Operation
27 Jan 22	997	1120		In Operation
28 Jan 22	939	1134		In Operation
29 Jan 22	967	1160		In Operation
30 Jan 22	957	1153		In Operation
31 Jan 22	1090	1223		In Operation
01 Feb 22	-	-		Standby
02 Feb 22	-	-		Standby

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
03 Feb 22	-	-		Standby
04 Feb 22	924	1015		In Operation
05 Feb 22	845	1083		In Operation
06 Feb 22	830	1073		In Operation
07 Feb 22	870	1113		In Operation
08 Feb 22	850	1093		In Operation
09 Feb 22	850	1083		In Operation
10 Feb 22	840	1063		In Operation
11 Feb 22	850	1068		In Operation
12 Feb 22	850	1068		In Operation
13 Feb 22	880	1123		In Operation
14 Feb 22	870	1073		In Operation
15 Feb 22	850	1073	4.4	In Operation
16 Feb 22	850	1037		In Operation
17 Feb 22	860	1083		In Operation
18 Feb 22	860	1080		In Operation
19 Feb 22	850	1039		In Operation
20 Feb 22	-	-		Standby
21 Feb 22	890	1113		In Operation
22 Feb 22	830	1038		In Operation
23 Feb 22	900	1083		In Operation
24 Feb 22	830	1066		In Operation
25 Feb 22	850	1053		In Operation
26 Feb 22	870	1063		In Operation
27 Feb 22	850	1057		In Operation
28 Feb 22	830	1076		In Operation
01 Mar 22	850	1043		In operation
02 Mar 22	850	1043		In operation
03 Mar 22	850	1055		In operation
04 Mar 22	850	1053		In operation
05 Mar 22	860	1083		In operation
06 Mar 22	830	1053		In operation
07 Mar 22	850	1083		In operation
08 Mar 22	840	1073		In operation
09 Mar 22	880	1033		In operation
10 Mar 22	880	1103		In operation
11 Mar 22	860	1093		In operation
12 Mar 22	850	1113		In operation
13 Mar 22	870	1073		In operation
14 Mar 22	880	1123		In operation
15 Mar 22	830	1073		In operation
16 Mar 22	840	1083	3.9	In operation
17 Mar 22	830	1073		In operation
18 Mar 22	880	1093		In operation
19 Mar 22	840	1073		In operation
20 Mar 22	830	1093		In operation
21 Mar 22	850	1093		In operation
22 Mar 22	-	-		Standby
23 Mar 22	820	1043		In operation
24 Mar 22	880	1083		In operation
25 Mar 22	850	1063		In operation
26 Mar 22	880	1083		In operation
27 Mar 22	840	1073		In operation
28 Mar 22	-	-		Standby
29 Mar 22	-	-		Standby
30 Mar 22	840	1083		In operation
31 Mar 22	890	1113		In operation
01 Apr 22	873	1083		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
02 Apr 22	876	1073		In Operation
03 Apr 22	870	1123		In Operation
04 Apr 22	880	1093		In Operation
05 Apr 22	950	1203		In Operation
06 Apr 22	844	1093		In Operation
07 Apr 22	-	-		Standby
08 Apr 22	-	-		Standby
09 Apr 22	-	-		Standby
10 Apr 22	880	1123		In Operation
11 Apr 22	850	1073		In Operation
12 Apr 22	870	1133		In Operation
13 Apr 22	850	1103		In Operation
14 Apr 22	860	1103		In Operation
15 Apr 22	890	1123		In Operation
16 Apr 22	880	1103	4.5	In Operation
17 Apr 22	870	1103		In Operation
18 Apr 22	850	1073		In Operation
19 Apr 22	840	1073		In Operation
20 Apr 22	870	1128		In Operation
21 Apr 22	875	1103		In Operation
22 Apr 22	-	-		Standby
23 Apr 22	850	1093		In Operation
24 Apr 22	-	-		Standby
25 Apr 22	880	1103		In Operation
26 Apr 22	840	1093		In Operation
27 Apr 22	850	1103		In Operation
28 Apr 22	870	1113		In Operation
29 Apr 22	910	1143		In Operation
30 Apr 22	875	1113		In Operation
01 May 22	875	1093		In Operation
02 May 22	860	1113		In Operation
03 May 22	870	1103		In Operation
04 May 22	860	1103		In Operation
05 May 22	870	1113		In Operation
06 May 22	880	1133		In Operation
07 May 22	840	1083		In Operation
08 May 22	840	1083		In Operation
09 May 22	860	1113		In Operation
10 May 22	850	1063		In Operation
11 May 22	850	1053		In Operation
12 May 22	870	1093		In Operation
13 May 22	880	1103		In Operation
14 May 22	870	1083		In Operation
15 May 22	860	1093		In Operation
16 May 22	880	1093	2.7	In Operation
17 May 22	840	1063		In Operation
18 May 22	870	1093		In Operation
19 May 22	860	1043		In Operation
20 May 22	880	1123		In Operation
21 May 22	880	1103		In Operation
22 May 22	870	1103		In Operation
23 May 22	890	1123		In Operation
24 May 22	840	1083		In Operation
25 May 22	830	1073		In Operation
26 May 22	850	1083		In Operation
27 May 22	870	1123		In Operation
28 May 22	870	1123		In Operation
29 May 22	850	1103		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
30 May 22	840	1093		In Operation
31 May 22	820	1073		In Operation
01 Jun 22	860	1103		In Operation
02 Jun 22	830	1093		In Operation
03 Jun 22	850	1093		In Operation
04 Jun 22	880	1093		In Operation
05 Jun 22	880	1103		In Operation
06 Jun 22	870	1093		In Operation
07 Jun 22	830	1063		In Operation
08 Jun 22	840	1083		In Operation
09 Jun 22	880	1113		In Operation
10 Jun 22	840	1073	8.3	In Operation
11 Jun 22	880	1103		In Operation
12 Jun 22	840	1073		In Operation
13 Jun 22	880	1103		In Operation
14 Jun 22	880	1073		In Operation
15 Jun 22	870	1043		In Operation
16 Jun 22	870	1073		In Operation
17 Jun 22	870	1053		In Operation
18 Jun 22	870	1073		In Operation
19 Jun 22	860	1073		In Operation
20 Jun 22	880	1093		In Operation
21 Jun 22	880	1083		In Operation
22 Jun 22	860	1093		In Operation
23 Jun 22	880	1093		In Operation
24 Jun 22	880	1103		In Operation
25 Jun 22	840	1093		In Operation
26 Jun 22	860	1123		In Operation
27 Jun 22	870	1123		In Operation
28 Jun 22	930	1183		In Operation
29 Jun 22	877	1118		In Operation
30 Jun 22	860	1103		In Operation
01 Jul 22	830	1073		In Operation
02 Jul 22	860	1073		In Operation
03 Jul 22	890	1113		In Operation
04 Jul 22	930	1153		In Operation
05 Jul 22	860	1103		In Operation
06 Jul 22	884	1109		In Operation
07 Jul 22	834	1068		In Operation
08 Jul 22	830	1083		In Operation
09 Jul 22	870	1093		In Operation
10 Jul 22	830	1063		In Operation
11 Jul 22	905	1163		In Operation
12 Jul 22	840	1093		In Operation
13 Jul 22	870	1113		In Operation
14 Jul 22	840	1083		In Operation
15 Jul 22	824	1067		In Operation
16 Jul 22	834	1093	6.5	In Operation
17 Jul 22	904	1143		In Operation
18 Jul 22	865	1096		In Operation
19 Jul 22	845	1083		In Operation
20 Jul 22	880	1118		In Operation
21 Jul 22	854	1089		In Operation
22 Jul 22	830	1078		In Operation
23 Jul 22	880	1083		In Operation
24 Jul 22	830	1063		In Operation
25 Jul 22	842	1077		In Operation
26 Jul 22	844	1097		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
27 Jul 22	854	1061		In Operation
28 Jul 22	875	1063		In Operation
29 Jul 22	835	1091		In Operation
30 Jul 22	874	1101		In Operation
31 Jul 22	860	1093		In Operation
01 Aug 22	855	1093		In Operation
02 Aug 22	870	1063		In Operation
03 Aug 22	860	1073		In Operation
04 Aug 22	840	1053		In Operation
05 Aug 22	840	1053		In Operation
06 Aug 22	840	1043		In Operation
07 Aug 22	825	1033		In Operation
08 Aug 22	890	1053		In Operation
09 Aug 22	880	1053		In Operation
10 Aug 22	835	1043		In Operation
11 Aug 22	860	1084		In Operation
12 Aug 22	830	1033		In Operation
13 Aug 22	826	1023		In Operation
14 Aug 22	860	1073		In Operation
15 Aug 22	870	1093	8.9	In Operation
16 Aug 22	850	1043		In Operation
17 Aug 22	820	1063		In Operation
18 Aug 22	830	1073		In Operation
19 Aug 22	830	1063		In Operation
20 Aug 22	820	1053		In Operation
21 Aug 22	870	1083		In Operation
22 Aug 22	820	1053		In Operation
23 Aug 22	890	1103		In Operation
24 Aug 22	890	1093		In Operation
25 Aug 22	850	1065		In Operation
26 Aug 22	820	1023		In Operation
27 Aug 22	820	1083		In Operation
28 Aug 22	830	1053		In Operation
29 Aug 22	820	1043		In Operation
30 Aug 22	840	1063		In Operation
31 Aug 22	850	1073		In Operation
01 Sep 22	876	1061		In Operation
02 Sep 22	821	1049		In Operation
03 Sep 22	826	1056		In Operation
04 Sep 22	948	1127		In Operation
05 Sep 22	847	1047		In Operation
06 Sep 22	830	1071		In Operation
07 Sep 22	833	1047		In Operation
08 Sep 22	860	1103		In Operation
09 Sep 22	852	1069	8.9	In Operation
10 Sep 22	895	1111		In Operation
11 Sep 22	-	-		Under Maintenance
12 Sep 22	-	-		Under Maintenance
13 Sep 22	832	1088		In Operation
14 Sep 22	828	1055		In Operation
15 Sep 22	876	1058		In Operation
16 Sep 22	877	1093		In Operation
17 Sep 22	850	1083		In Operation
18 Sep 22	899	1119		In Operation
19 Sep 22	870	1096		In Operation
20 Sep 22	890	1108		In Operation
21 Sep 22	880	1097		In Operation
22 Sep 22	854	1051		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
23 Sep 22	880	1098		In Operation
24 Sep 22	834	1088		In Operation
25 Sep 22	844	1096		In Operation
26 Sep 22	830	1057		In Operation
27 Sep 22	912	1125		In Operation
28 Sep 22	825	1046		In Operation
29 Sep 22	850	1068		In Operation
30 Sep 22	883	1083		In Operation
01 Oct 22	890	1103		In Operation
02 Oct 22	890	1098		In Operation
03 Oct 22	890	1053		In Operation
04 Oct 22	860	1093		In Operation
05 Oct 22	890	1083		In Operation
06 Oct 22	890	1083		In Operation
07 Oct 22	830	1053		In Operation
08 Oct 22	880	1093		In Operation
09 Oct 22	840	1053		In Operation
10 Oct 22	890	1073		In Operation
11 Oct 22	880	1093		In Operation
12 Oct 22	825	1033		In Operation
13 Oct 22	890	1093		In Operation
14 Oct 22	820	993		In Operation
15 Oct 22	880	1043		In Operation
16 Oct 22	880	1103	6.5	In Operation
17 Oct 22	880	1073		In Operation
18 Oct 22	830	1083		In Operation
19 Oct 22	830	1043		In Operation
20 Oct 22	910	1133		In Operation
21 Oct 22	880	1103		In Operation
22 Oct 22	890	1053		In Operation
23 Oct 22	900	1113		In Operation
24 Oct 22	890	1093		In Operation
25 Oct 22	840	1053		In Operation
26 Oct 22	860	1073		In Operation
27 Oct 22	900	1113		In Operation
28 Oct 22	860	1073		In Operation
29 Oct 22	890	1083		In Operation
30 Oct 22	880	1073		In Operation
31 Oct 22	870	1053		In Operation
01 Nov 22	840	1061		In Operation
02 Nov 22	890	1049		In Operation
03 Nov 22	880	1073		In Operation
04 Nov 22	890	1053		In Operation
05 Nov 22	850	1113		In Operation
06 Nov 22	850	1123		In Operation
07 Nov 22	890	1073		In Operation
08 Nov 22	860	1083		In Operation
09 Nov 22	850	1123		In Operation
10 Nov 22	840	1073	8.9	In Operation
11 Nov 22	860	1063		In Operation
12 Nov 22	870	1083		In Operation
13 Nov 22	870	1053		In Operation
14 Nov 22	840	1093		In Operation
15 Nov 22	820	1088		In Operation
16 Nov 22	870	1073		In Operation
17 Nov 22	880	1053		In Operation
18 Nov 22	870	1093		In Operation
19 Nov 22	830	1113		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status
20 Nov 22	820	1083		In Operation
21 Nov 22	850	1073		In Operation
22 Nov 22	840	1063		In Operation
23 Nov 22	830	1093		In Operation
24 Nov 22	860	1083		In Operation
25 Nov 22	850	1073		In Operation
26 Nov 22	820	1083		In Operation
27 Nov 22	850	1063		In Operation
28 Nov 22	880	1063		In Operation
29 Nov 22	830	1043		In Operation
30 Nov 22	830	1093		In Operation
01 Dec 22	830	1043		In Operation
02 Dec 22	880	1103		In Operation
03 Dec 22	850	1073		In Operation
04 Dec 22	850	1093		In Operation
05 Dec 22	880	1103		In Operation
06 Dec 22	860	1093		In Operation
07 Dec 22	850	1093		In Operation
08 Dec 22	870	1113		In Operation
09 Dec 22	840	1073		In Operation
10 Dec 22	870	1113	12.8	In Operation
11 Dec 22	870	1123		In Operation
12 Dec 22	870	1113		In Operation
13 Dec 22	860	1093		In Operation
14 Dec 22	860	1073		In Operation
15 Dec 22	860	1073		In Operation
16 Dec 22	840	1053		In Operation
17 Dec 22	-	-		Under Maintenance
18 Dec 22	890	1073		In Operation
19 Dec 22	850	1033		In Operation
20 Dec 22	-	-		Under Maintenance
21 Dec 22	-	-		Under Maintenance
22 Dec 22	-	-		Under Maintenance
23 Dec 22	-	-		Under Maintenance
24 Dec 22	-	-		Under Maintenance
25 Dec 22	-	-		Under Maintenance
26 Dec 22	-	-		Under Maintenance
27 Dec 22	-	-		Under Maintenance
28 Dec 22	-	-		Under Maintenance
29 Dec 22	-	-		Under Maintenance
30 Dec 22	-	-		Under Maintenance
31 Dec 22	-	-		Under Maintenance
Average	865	1086.1	6.5	
Min	820	993	2	
Max	1171	1283	12.8	

Notes:

(a) The exhaust gas velocity was calculated based on the cross-section area of the stack and the gas flow and combustion temperature data measured during the stack emission monitoring.

Table D5.5 Landfill Gas Generator Stack Emission Monitoring Results

Parameters	Monitoring Results (January 2022)
NO ₂	0.008 gs ⁻¹
CO	0.050 gs ⁻¹
SO ₂	0.009 gs ⁻¹
Benzene	2 x 10 ⁻⁶ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	7.8 ms ⁻¹
Parameters	Monitoring Results (February 2022)
NO ₂	0.016 gs ⁻¹
CO	0.056 gs ⁻¹
SO ₂	0.002 gs ⁻¹
Benzene	<3 x 10 ⁻⁶ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁶ gs ⁻¹
Non-methane Organic Carbons	2 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.9 ms ⁻¹
Parameters	Monitoring Results (March 2022)
NO ₂	1.54 gs ⁻¹
CO	0.04 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<3 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<2 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.1 ms ⁻¹
Parameters	Monitoring Results (April 2022)
NO ₂	0.25 gs ⁻¹
CO	0.094 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	<3 x 10 ⁻⁶ gs ⁻¹
Vinyl chloride	<2.3 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	13.3 ms ⁻¹
Parameters	Monitoring Results (May 2022)
NO ₂	0.01 gs ⁻¹
CO	0.099 gs ⁻¹
SO ₂	0.004 gs ⁻¹
Benzene	<3 x 10 ⁻⁶ gs ⁻¹
Vinyl chloride	<2.4 x 10 ⁻⁶ gs ⁻¹
Non-Methane Organic Carbons	3 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.6 ms ⁻¹
Parameters	Monitoring Results (June 2022)
NO ₂	0.008 gs ⁻¹
CO	0.043 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	<4.0 x 10 ⁻⁶ gs ⁻¹
Vinyl chloride	<2.2 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	9.7 ms ⁻¹

Parameters	Monitoring Results (July 2022)
NO ₂	0.01 gs ⁻¹
CO	0.28 gs ⁻¹
SO ₂	0.003 gs ⁻¹
Benzene	<8.0 x 10 ⁻⁶ gs ⁻¹
Vinyl chloride	<1.8 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	11.2 ms ⁻¹
Parameters	Monitoring Results (August 2022)
NO ₂	0.04 gs ⁻¹
CO	0.622 gs ⁻¹
SO ₂	0.015 gs ⁻¹
Non-Methane Organic Carbon	0.0012 gs ⁻¹
Benzene	<8.7 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<2.1 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	9.3 ms ⁻¹
Parameters	Monitoring Results (September 2022)
NO ₂	0.07 gs ⁻¹
CO	0.75 gs ⁻¹
SO ₂	0.008 gs ⁻¹
Benzene	<1.92 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.6 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	10.2 ms ⁻¹
Parameters	Monitoring Results (October 2022)
NO ₂	0.08 gs ⁻¹
CO	0.56 gs ⁻¹
SO ₂	0.006 gs ⁻¹
Benzene	<1.12 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.7 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	10.3 ms ⁻¹
Parameters	Monitoring Results (November 2022)
NO ₂	0.01 gs ⁻¹
CO	0.429 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	<1.6 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.28 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	<3.0 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.6 ms ⁻¹
Parameters	Monitoring Results (December 2022) ^(a)
NO ₂	-
CO	-
SO ₂	-
Benzene	-
Vinyl chloride	-
Non-Methane Organic Carbons	-

Notes:

(a) The Landfill Gas Generator was under maintenance

Table D5.6 Landfill Gas Generator Stack Continuous Monitoring Results

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
ENGA			
01 Jan 22	-		Under Maintenance
02 Jan 22	-		Under Maintenance
03 Jan 22	-		Under Maintenance
04 Jan 22	-		Under Maintenance
05 Jan 22	-		Under Maintenance
06 Jan 22	-		Under Maintenance
07 Jan 22	-		Under Maintenance
08 Jan 22	-		Under Maintenance
09 Jan 22	-		Under Maintenance
10 Jan 22	-		Under Maintenance
11 Jan 22	-		Under Maintenance
12 Jan 22	-		Under Maintenance
13 Jan 22	-		Under Maintenance
14 Jan 22	845		In Operation
15 Jan 22	838		In Operation
16 Jan 22	853	7.8	In Operation
17 Jan 22	836		In Operation
18 Jan 22	844		In Operation
19 Jan 22	843		In Operation
20 Jan 22	846		In Operation
21 Jan 22	846		In Operation
22 Jan 22	849		In Operation
23 Jan 22	840		In Operation
24 Jan 22	846		In Operation
25 Jan 22	846		In Operation
26 Jan 22	847		In Operation
27 Jan 22	848		In Operation
28 Jan 22	847		In Operation
29 Jan 22	847		In Operation
30 Jan 22	843		In Operation
31 Jan 22	847		In Operation
01 Feb 22	836		In Operation
02 Feb 22	842		In Operation
03 Feb 22	841		In Operation
04 Feb 22	841		In Operation
05 Feb 22	843		In Operation
06 Feb 22	844		In Operation
07 Feb 22	845		In Operation
08 Feb 22	836		In Operation
09 Feb 22	844		In Operation
10 Feb 22	847		In Operation
11 Feb 22	847		In Operation
12 Feb 22	846		In Operation
13 Feb 22	845		In Operation
14 Feb 22	-		Under Maintenance
15 Feb 22	-		Under Maintenance
16 Feb 22	-	11.9	Under Maintenance
17 Feb 22	-		Under Maintenance
18 Feb 22	-		Under Maintenance
19 Feb 22	-		Under Maintenance
20 Feb 22	-		Under Maintenance
21 Feb 22	-		Under Maintenance
22 Feb 22	-		Under Maintenance
23 Feb 22	-		Under Maintenance

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
24 Feb 22	-		Under Maintenance
25 Feb 22	-		Under Maintenance
26 Feb 22	-		Under Maintenance
27 Feb 22	-		Under Maintenance
28 Feb 22	-		Under Maintenance
01 Mar 22	842		In Operation
02 Mar 22	844		In Operation
03 Mar 22	-		Under Maintenance
04 Mar 22	-		Under Maintenance
05 Mar 22	-		Under Maintenance
06 Mar 22	-		Under Maintenance
07 Mar 22	-		Under Maintenance
08 Mar 22	-		Under Maintenance
09 Mar 22	-		Under Maintenance
10 Mar 22	-		Under Maintenance
11 Mar 22	-		Under Maintenance
12 Mar 22	-		Under Maintenance
13 Mar 22	-		Under Maintenance
14 Mar 22	-		Under Maintenance
15 Mar 22	-		Under Maintenance
16 Mar 22	-	9.1	Under Maintenance
17 Mar 22	-		Under Maintenance
18 Mar 22	-		Under Maintenance
19 Mar 22	-		Under Maintenance
20 Mar 22	-		Under Maintenance
21 Mar 22	-		Under Maintenance
22 Mar 22	-		Under Maintenance
23 Mar 22	-		Under Maintenance
24 Mar 22	-		Under Maintenance
25 Mar 22	-		Under Maintenance
26 Mar 22	-		Under Maintenance
27 Mar 22	-		Under Maintenance
28 Mar 22	-		Under Maintenance
29 Mar 22	-		Under Maintenance
30 Mar 22	-		Under Maintenance
31 Mar 22	-		Under Maintenance
01 Apr 22	-		Under Maintenance
02 Apr 22	-		Under Maintenance
03 Apr 22	-		Under Maintenance
04 Apr 22	-		Under Maintenance
05 Apr 22	-		Under Maintenance
06 Apr 22	-		Under Maintenance
07 Apr 22	-		Under Maintenance
08 Apr 22	-		Under Maintenance
09 Apr 22	-		Under Maintenance
10 Apr 22	-		Under Maintenance
11 Apr 22	-		Under Maintenance
12 Apr 22	-		Under Maintenance
13 Apr 22	-		Under Maintenance
14 Apr 22	-		Under Maintenance
15 Apr 22	-		Under Maintenance
16 Apr 22	-	13.3	Under Maintenance
17 Apr 22	-		Under Maintenance
18 Apr 22	-		Under Maintenance
19 Apr 22	-		Under Maintenance
20 Apr 22	-		Under Maintenance
21 Apr 22	-		Under Maintenance
22 Apr 22	-		Under Maintenance

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
23 Apr 22	-		Under Maintenance
24 Apr 22	-		Under Maintenance
25 Apr 22	-		Under Maintenance
26 Apr 22	-		Under Maintenance
27 Apr 22	-		Under Maintenance
28 Apr 22	-		Under Maintenance
29 Apr 22	-		Under Maintenance
30 Apr 22	-		Under Maintenance
01 May 22	-		Under Maintenance
02 May 22	-		Under Maintenance
03 May 22	-		Under Maintenance
04 May 22	-		Under Maintenance
05 May 22	-		Under Maintenance
06 May 22	-		Under Maintenance
07 May 22	-		Under Maintenance
08 May 22	-		Under Maintenance
09 May 22	-		Under Maintenance
10 May 22	-		Under Maintenance
11 May 22	-		Under Maintenance
12 May 22	-		Under Maintenance
13 May 22	-		Under Maintenance
14 May 22	-		Under Maintenance
15 May 22	-		Under Maintenance
16 May 22	-		Under Maintenance
17 May 22	-		Under Maintenance
18 May 22	-	11.6	Under Maintenance
19 May 22	-		Under Maintenance
20 May 22	-		Under Maintenance
21 May 22	-		Under Maintenance
22 May 22	-		Under Maintenance
23 May 22	-		Under Maintenance
24 May 22	-		Under Maintenance
25 May 22	-		Under Maintenance
26 May 22	-		Under Maintenance
27 May 22	-		Under Maintenance
28 May 22	-		Under Maintenance
29 May 22	-		Under Maintenance
30 May 22	-		Under Maintenance
31 May 22	-		Under Maintenance
01 Jun 22	-		Under Maintenance
02 Jun 22	-		Under Maintenance
03 Jun 22	-		Under Maintenance
04 Jun 22	-		Under Maintenance
05 Jun 22	-		Under Maintenance
06 Jun 22	-		Under Maintenance
07 Jun 22	-		Under Maintenance
08 Jun 22	-		Under Maintenance
09 Jun 22	-		Under Maintenance
10 Jun 22	-		Under Maintenance
11 Jun 22	-		Under Maintenance
12 Jun 22	-		Under Maintenance
13 Jun 22	-		Under Maintenance
14 Jun 22	-		Under Maintenance
15 Jun 22	-		Under Maintenance
16 Jun 22	863		In Operation
17 Jun 22	857		In Operation
18 Jun 22	866	9.7	In Operation
19 Jun 22	866		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
20 Jun 22	-		Under Maintenance
21 Jun 22	-		Under Maintenance
22 Jun 22	-		Under Maintenance
23 Jun 22	-		Under Maintenance
24 Jun 22	-		Under Maintenance
25 Jun 22	-		Under Maintenance
26 Jun 22	-		Under Maintenance
27 Jun 22	868		In Operation
28 Jun 22	867		In Operation
29 Jun 22	879		In Operation
30 Jun 22	868		In Operation
01 Jul 22	867		In Operation
02 Jul 22	865		In Operation
03 Jul 22	869		In Operation
04 Jul 22	848		In Operation
05 Jul 22	852		In Operation
06 Jul 22	851		In Operation
07 Jul 22	884		In Operation
08 Jul 22	886		In Operation
09 Jul 22	887		In Operation
10 Jul 22	888		In Operation
11 Jul 22	889		In Operation
12 Jul 22	880		In Operation
13 Jul 22	880		In Operation
14 Jul 22	893		In Operation
15 Jul 22	-		Under Maintenance
16 Jul 22	885	11.2	In Operation
17 Jul 22	886		In Operation
18 Jul 22	859		In Operation
19 Jul 22	866		In Operation
20 Jul 22	857		In Operation
21 Jul 22	857		In Operation
22 Jul 22	859		In Operation
23 Jul 22	860		In Operation
24 Jul 22	861		In Operation
25 Jul 22	863		In Operation
26 Jul 22	866		In Operation
27 Jul 22	859		In Operation
28 Jul 22	861		In Operation
29 Jul 22	859		In Operation
30 Jul 22	857		In Operation
31 Jul 22	860		In Operation
01 Aug 22	859		In Operation
02 Aug 22	857		In Operation
03 Aug 22	862		In Operation
04 Aug 22	858		In Operation
05 Aug 22	860		In Operation
06 Aug 22	863		In Operation
07 Aug 22	861		In Operation
08 Aug 22	859		In Operation
09 Aug 22	858		In Operation
10 Aug 22	857		In Operation
11 Aug 22	858		In Operation
12 Aug 22	856		In Operation
13 Aug 22	860		In Operation
14 Aug 22	858		In Operation
15 Aug 22	858		In Operation
16 Aug 22	862	9.3	In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
17 Aug 22	860		In Operation
18 Aug 22	859		In Operation
19 Aug 22	859		In Operation
20 Aug 22	865		In Operation
21 Aug 22	865		In Operation
22 Aug 22	865		In Operation
23 Aug 22	864		In Operation
24 Aug 22	863		In Operation
25 Aug 22	866		In Operation
26 Aug 22	865		In Operation
27 Aug 22	865		In Operation
28 Aug 22	864		In Operation
29 Aug 22	868		In Operation
30 Aug 22	865		In Operation
31 Aug 22	862		In Operation
01 Sep 22	865		In Operation
02 Sep 22	867		In Operation
03 Sep 22	858		In Operation
04 Sep 22	860		In Operation
05 Sep 22	860		In Operation
06 Sep 22	863		In Operation
07 Sep 22	864		In Operation
08 Sep 22	880		In Operation
09 Sep 22	861		In Operation
10 Sep 22	856		In Operation
11 Sep 22	856		In Operation
12 Sep 22	854		In Operation
13 Sep 22	-		Under Maintenance
14 Sep 22	856		In Operation
15 Sep 22	853	10.2	In Operation
16 Sep 22	859		In Operation
17 Sep 22	863		In Operation
18 Sep 22	855		In Operation
19 Sep 22	863		In Operation
20 Sep 22	862		In Operation
21 Sep 22	858		In Operation
22 Sep 22	862		In Operation
23 Sep 22	860		In Operation
24 Sep 22	859		In Operation
25 Sep 22	860		In Operation
26 Sep 22	861		In Operation
27 Sep 22	860		In Operation
28 Sep 22	863		In Operation
29 Sep 22	864		In Operation
30 Sep 22	852		In Operation
01 Oct 22	861		In Operation
02 Oct 22	867		In Operation
03 Oct 22	865		In Operation
04 Oct 22	865		In Operation
05 Oct 22	865		In Operation
06 Oct 22	865		In Operation
07 Oct 22	864		In Operation
08 Oct 22	863		In Operation
09 Oct 22	860		In Operation
10 Oct 22	856		In Operation
11 Oct 22	855		In Operation
12 Oct 22	864		In Operation
13 Oct 22	865		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
14 Oct 22	865		In Operation
15 Oct 22	851	10.3	In Operation
16 Oct 22	852		In Operation
17 Oct 22	855		In Operation
18 Oct 22	859		In Operation
19 Oct 22	865		In Operation
20 Oct 22	866		In Operation
21 Oct 22	867		In Operation
22 Oct 22	869		In Operation
23 Oct 22	874		In Operation
24 Oct 22	871		In Operation
25 Oct 22	873		In Operation
26 Oct 22	869		In Operation
27 Oct 22	874		In Operation
28 Oct 22	877		In Operation
29 Oct 22	877		In Operation
30 Oct 22	875		In Operation
31 Oct 22	893		In Operation
01 Nov 22	-		Under Maintenance
02 Nov 22	-		Under Maintenance
03 Nov 22	-		Under Maintenance
04 Nov 22	-		Under Maintenance
05 Nov 22	-		Under Maintenance
06 Nov 22	-		Under Maintenance
07 Nov 22	-		Under Maintenance
08 Nov 22	-		Under Maintenance
09 Nov 22	-		Under Maintenance
10 Nov 22	-		Under Maintenance
11 Nov 22	-		Under Maintenance
12 Nov 22	893		In Operation
13 Nov 22	892		In Operation
14 Nov 22	892		In Operation
15 Nov 22	890	11.6	In Operation
16 Nov 22	895		In Operation
17 Nov 22	896		In Operation
18 Nov 22	903		In Operation
19 Nov 22	916		In Operation
20 Nov 22	906		In Operation
21 Nov 22	907		In Operation
22 Nov 22	955		In Operation
23 Nov 22	-		Under Maintenance
24 Nov 22	-		Under Maintenance
25 Nov 22	-		Under Maintenance
26 Nov 22	-		Under Maintenance
27 Nov 22	-		Under Maintenance
28 Nov 22	-		Under Maintenance
29 Nov 22	-		Under Maintenance
30 Nov 22	-		Under Maintenance
01 Dec 22	-		Under Maintenance
02 Dec 22	-		Under Maintenance
03 Dec 22	-		Under Maintenance
04 Dec 22	-		Under Maintenance
05 Dec 22	-		Under Maintenance
06 Dec 22	-		Under Maintenance
07 Dec 22	-		Under Maintenance
08 Dec 22	-		Under Maintenance
09 Dec 22	-		Under Maintenance
10 Dec 22	-		Under Maintenance

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
11 Dec 22	-		Under Maintenance
12 Dec 22	-	-	Under Maintenance
13 Dec 22	-		Under Maintenance
14 Dec 22	-		Under Maintenance
15 Dec 22	-		Under Maintenance
16 Dec 22	-		Under Maintenance
17 Dec 22	-		Under Maintenance
18 Dec 22	-		Under Maintenance
19 Dec 22	-		Under Maintenance
20 Dec 22	-		Under Maintenance
21 Dec 22	-		Under Maintenance
22 Dec 22	-		Under Maintenance
23 Dec 22	-		Under Maintenance
24 Dec 22	-		Under Maintenance
25 Dec 22	-		Under Maintenance
26 Dec 22	-		Under Maintenance
27 Dec 22	-		Under Maintenance
28 Dec 22	-		Under Maintenance
29 Dec 22	-		Under Maintenance
30 Dec 22	-		Under Maintenance
31 Dec 22	-		Under Maintenance
Average	862.9	10.5	
Min	836	7.8	
Max	955	13.3	
ENGB			
01 Jan 22	840		In Operation
02 Jan 22	839		In Operation
03 Jan 22	839		In Operation
04 Jan 22	842		In Operation
05 Jan 22	842		In Operation
06 Jan 22	841		In Operation
07 Jan 22	841		In Operation
08 Jan 22	835		In Operation
09 Jan 22	840		In Operation
10 Jan 22	839		In Operation
11 Jan 22	841		In Operation
12 Jan 22	839		In Operation
13 Jan 22	840		In Operation
14 Jan 22	-		Under Maintenance
15 Jan 22	-		Under Maintenance
16 Jan 22	-	7.8	Under Maintenance
17 Jan 22	-		Under Maintenance
18 Jan 22	-		Under Maintenance
19 Jan 22	-		Under Maintenance
20 Jan 22	-		Under Maintenance
21 Jan 22	-		Under Maintenance
22 Jan 22	-		Under maintenance
23 Jan 22	-		Under Maintenance
24 Jan 22	-		Under Maintenance
25 Jan 22	817		In Operation
26 Jan 22	-		Under Maintenance
27 Jan 22	-		Under Maintenance
28 Jan 22	-		Under Maintenance
29 Jan 22	-		Under Maintenance
30 Jan 22	-		Under Maintenance
31 Jan 22	-		Under Maintenance
01 Feb 22	836		Under Maintenance
02 Feb 22	842		Under Maintenance

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
03 Feb 22	-		Under Maintenance
04 Feb 22	-		Under Maintenance
05 Feb 22	-		Under Maintenance
06 Feb 22	-		Under Maintenance
07 Feb 22	-		Under Maintenance
08 Feb 22	-		Under Maintenance
09 Feb 22	-		Under Maintenance
10 Feb 22	-		Under Maintenance
11 Feb 22	-		Under Maintenance
12 Feb 22	-		Under Maintenance
13 Feb 22	-		Under Maintenance
14 Feb 22	846		In Operation
15 Feb 22	845		In Operation
16 Feb 22	846	11.9	In Operation
17 Feb 22	844		In Operation
18 Feb 22	845		In Operation
19 Feb 22	841		In Operation
20 Feb 22	843		In Operation
21 Feb 22	841		In Operation
22 Feb 22	841		In Operation
23 Feb 22	840		In Operation
24 Feb 22	840		In Operation
25 Feb 22	841		In Operation
26 Feb 22	841		In Operation
27 Feb 22	842		In Operation
28 Feb 22	842		In Operation
01 Mar 22	843		In Operation
02 Mar 22	-		Under Maintenance
03 Mar 22	841		In Operation
04 Mar 22	843		In Operation
05 Mar 22	845		In Operation
06 Mar 22	844		In Operation
07 Mar 22	841		In Operation
08 Mar 22	840		In Operation
09 Mar 22	842		In Operation
10 Mar 22	842		In Operation
11 Mar 22	842		In Operation
12 Mar 22	844		In Operation
13 Mar 22	844		In Operation
14 Mar 22	844		In Operation
15 Mar 22	845		In Operation
16 Mar 22	846	9.1	In Operation
17 Mar 22	846		In Operation
18 Mar 22	847		In Operation
19 Mar 22	847		In Operation
20 Mar 22	848		In Operation
21 Mar 22	847		In Operation
22 Mar 22	849		In Operation
23 Mar 22	846		In Operation
24 Mar 22	842		In Operation
25 Mar 22	844		In Operation
26 Mar 22	850		In Operation
27 Mar 22	850		In Operation
28 Mar 22	843		In Operation
29 Mar 22	841		In Operation
30 Mar 22	846		In Operation
31 Mar 22	846		In Operation
01 Apr 22	843		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
02 Apr 22	841		In Operation
03 Apr 22	844		In Operation
04 Apr 22	843		In Operation
05 Apr 22	842		In Operation
06 Apr 22	846		In Operation
07 Apr 22	843		In Operation
08 Apr 22	848		In Operation
09 Apr 22	847		In Operation
10 Apr 22	845		In Operation
11 Apr 22	847		In Operation
12 Apr 22	849		In Operation
13 Apr 22	848		In Operation
14 Apr 22	851		In Operation
15 Apr 22	850		In Operation
16 Apr 22	845	13.3	In Operation
17 Apr 22	846		In Operation
18 Apr 22	846		In Operation
19 Apr 22	846		In Operation
20 Apr 22	848		In Operation
21 Apr 22	851		In Operation
22 Apr 22	852		In Operation
23 Apr 22	853		In Operation
24 Apr 22	852		In Operation
25 Apr 22	854		In Operation
26 Apr 22	862		In Operation
27 Apr 22	855		In Operation
28 Apr 22	843		In Operation
29 Apr 22	870		In Operation
30 Apr 22	851		In Operation
01 May 22	848		In Operation
02 May 22	849		In Operation
03 May 22	848		In Operation
04 May 22	849		In Operation
05 May 22	850		In Operation
06 May 22	850		In Operation
07 May 22	850		In Operation
08 May 22	852		In Operation
09 May 22	851		In Operation
10 May 22	857		In Operation
11 May 22	855		In Operation
12 May 22	853		In Operation
13 May 22	854		In Operation
14 May 22	852		In Operation
15 May 22	849		In Operation
16 May 22	847		In Operation
17 May 22	847		In Operation
18 May 22	845	11.6	In Operation
19 May 22	852		In Operation
20 May 22	851		In Operation
21 May 22	851		In Operation
22 May 22	850		In Operation
23 May 22	851		In Operation
24 May 22	851		In Operation
25 May 22	852		In Operation
26 May 22	857		In Operation
27 May 22	-		Under Maintenance
28 May 22	855		In Operation
29 May 22	855		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
30 May 22	854		In Operation
31 May 22	855		In Operation
01 Jun 22	848		In Operation
02 Jun 22	853		In Operation
03 Jun 22	858		In Operation
04 Jun 22	856		In Operation
05 Jun 22	856		In Operation
06 Jun 22	856		In Operation
07 Jun 22	859		In Operation
08 Jun 22	853		In Operation
09 Jun 22	850		In Operation
10 Jun 22	855		In Operation
11 Jun 22	856		In Operation
12 Jun 22	854		In Operation
13 Jun 22	856		In Operation
14 Jun 22	856		In Operation
15 Jun 22	850		In Operation
16 Jun 22	-		Under Maintenance
17 Jun 22	-		Under Maintenance
18 Jun 22	-	9.7	Under Maintenance
19 Jun 22	-		Under Maintenance
20 Jun 22	867		In Operation
21 Jun 22	868		In Operation
22 Jun 22	864		In Operation
23 Jun 22	874		In Operation
24 Jun 22	875		In Operation
25 Jun 22	865		In Operation
26 Jun 22	867		In Operation
27 Jun 22	-		Under Maintenance
28 Jun 22	-		Under Maintenance
29 Jun 22	-		Under Maintenance
30 Jun 22	-		Under Maintenance
01 Jul 22	-		Under Maintenance
02 Jul 22	-		Under Maintenance
03 Jul 22	-		Under Maintenance
04 Jul 22	848		In Operation
05 Jul 22	851		In Operation
06 Jul 22	850		In Operation
07 Jul 22	-		Under Maintenance
08 Jul 22	-		Under Maintenance
09 Jul 22	-		Under Maintenance
10 Jul 22	-		Under Maintenance
11 Jul 22	-		Under Maintenance
12 Jul 22	-		Under Maintenance
13 Jul 22	-		Under Maintenance
14 Jul 22	-		Under Maintenance
15 Jul 22	871	11.2	In Operation
16 Jul 22	-		Under Maintenance
17 Jul 22	-		Under Maintenance
18 Jul 22	854		In Operation
19 Jul 22	860		In Operation
20 Jul 22	852		In Operation
21 Jul 22	852		In Operation
22 Jul 22	854		In Operation
23 Jul 22	855		In Operation
24 Jul 22	856		In Operation
25 Jul 22	856		In Operation
26 Jul 22	864		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
27 Jul 22	854		In Operation
28 Jul 22	858		In Operation
29 Jul 22	855		In Operation
30 Jul 22	861		In Operation
31 Jul 22	853		In Operation
01 Aug 22	859		In Operation
02 Aug 22	857		In Operation
03 Aug 22	860		In Operation
04 Aug 22	861		In Operation
05 Aug 22	855		In Operation
06 Aug 22	860		In Operation
07 Aug 22	861		In Operation
08 Aug 22	858		In Operation
09 Aug 22	861		In Operation
10 Aug 22	859		In Operation
11 Aug 22	855		In Operation
12 Aug 22	857		In Operation
13 Aug 22	857		In Operation
14 Aug 22	858		In Operation
15 Aug 22	858		In Operation
16 Aug 22	858	9.3	In Operation
17 Aug 22	857		In Operation
18 Aug 22	856		In Operation
19 Aug 22	855		In Operation
20 Aug 22	863		In Operation
21 Aug 22	864		In Operation
22 Aug 22	862		In Operation
23 Aug 22	864		In Operation
24 Aug 22	861		In Operation
25 Aug 22	865		In Operation
26 Aug 22	864		In Operation
27 Aug 22	863		In Operation
28 Aug 22	861		In Operation
29 Aug 22	864		In Operation
30 Aug 22	863		In Operation
31 Aug 22	866		In Operation
01 Sep 22	865		In Operation
02 Sep 22	867		In Operation
03 Sep 22	857		In Operation
04 Sep 22	856		In Operation
05 Sep 22	855		In Operation
06 Sep 22	857		In Operation
07 Sep 22	856		In Operation
08 Sep 22	-		In Operation
09 Sep 22	845		In Operation
10 Sep 22	856		In Operation
11 Sep 22	857	10.2	In Operation
12 Sep 22	854		In Operation
13 Sep 22	879		Under Maintenance
14 Sep 22	855		In Operation
15 Sep 22	851		In Operation
16 Sep 22	856		In Operation
17 Sep 22	859		In Operation
18 Sep 22	851		In Operation
19 Sep 22	855		In Operation
20 Sep 22	851		In Operation
21 Sep 22	856		In Operation
22 Sep 22	860		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
23 Sep 22	859		In Operation
24 Sep 22	857		In Operation
25 Sep 22	859		In Operation
26 Sep 22	862		In Operation
27 Sep 22	861		In Operation
28 Sep 22	860		In Operation
29 Sep 22	863		In Operation
30 Sep 22	848		In Operation
01 Oct 22	847		In Operation
02 Oct 22	863		In Operation
03 Oct 22	861		In Operation
04 Oct 22	858		In Operation
05 Oct 22	860		In Operation
06 Oct 22	857		In Operation
07 Oct 22	864		In Operation
08 Oct 22	862		In Operation
09 Oct 22	859		In Operation
10 Oct 22	855		In Operation
11 Oct 22	856		In Operation
12 Oct 22	858		In Operation
13 Oct 22	862		In Operation
14 Oct 22	859		In Operation
15 Oct 22	858		In Operation
16 Oct 22	848	10.3	In Operation
17 Oct 22	859		In Operation
18 Oct 22	858		In Operation
19 Oct 22	857		In Operation
20 Oct 22	857		In Operation
21 Oct 22	861		In Operation
22 Oct 22	862		In Operation
23 Oct 22	867		In Operation
24 Oct 22	865		In Operation
25 Oct 22	865		In Operation
26 Oct 22	863		In Operation
27 Oct 22	864		In Operation
28 Oct 22	866		In Operation
29 Oct 22	866		In Operation
30 Oct 22	863		In Operation
31 Oct 22	865		In Operation
01 Nov 22	883		In Operation
02 Nov 22	882		In Operation
03 Nov 22	893		In Operation
04 Nov 22	892		In Operation
05 Nov 22	892		In Operation
06 Nov 22	898		In Operation
07 Nov 22	910		In Operation
08 Nov 22	910		In Operation
09 Nov 22	903		In Operation
10 Nov 22	917	11.6	In Operation
11 Nov 22	915		In Operation
12 Nov 22	907		In Operation
13 Nov 22	893		In Operation
14 Nov 22	890		In Operation
15 Nov 22	892		In Operation
16 Nov 22	890		In Operation
17 Nov 22	886		In Operation
18 Nov 22	893		In Operation
19 Nov 22	897		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) (a)	Operation Status (Landfill Gas Generator in Operation)
20 Nov 22	880		In Operation
21 Nov 22	880		In Operation
22 Nov 22	914		In Operation
23 Nov 22	908		In Operation
24 Nov 22	909		In Operation
25 Nov 22	910		In Operation
26 Nov 22	896		In Operation
27 Nov 22	904		In Operation
28 Nov 22	901		In Operation
29 Nov 22	-		Under Maintenance
30 Nov 22	-		Under Maintenance
01 Dec 22	-		Under Maintenance
02 Dec 22	-		Under Maintenance
03 Dec 22	-		Under Maintenance
04 Dec 22	-		Under Maintenance
05 Dec 22	-		Under Maintenance
06 Dec 22	-		Under Maintenance
07 Dec 22	-		Under Maintenance
08 Dec 22	-		Under Maintenance
09 Dec 22	-		Under Maintenance
10 Dec 22	-		Under Maintenance
11 Dec 22	-		Under Maintenance
12 Dec 22	-		Under Maintenance
13 Dec 22	-		Under Maintenance
14 Dec 22	-		Under Maintenance
15 Dec 22	-		Under Maintenance
16 Dec 22	-	-	Under Maintenance
17 Dec 22	-		Under Maintenance
18 Dec 22	-		Under Maintenance
19 Dec 22	-		Under Maintenance
20 Dec 22	-		Under Maintenance
21 Dec 22	-		Under Maintenance
22 Dec 22	-		Under Maintenance
23 Dec 22	-		Under Maintenance
24 Dec 22	-		Under Maintenance
25 Dec 22	-		Under Maintenance
26 Dec 22	-		Under Maintenance
27 Dec 22	-		Under Maintenance
28 Dec 22	-		Under Maintenance
29 Dec 22	-		Under test run
30 Dec 22	-		Under test run
31 Dec 22	-		Under test run
Average	857.2	10.5	
Min	817	7.8	
Max	917	13.3	

Notes:

(a) The exhaust gas velocity was calculated based on the cross-section area of the stack and the gas flow and combustion temperature data measured during the stack emission monitoring.