



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 2023)
NO ₂	1.21 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	0.21 gs ⁻¹
Benzene	<2.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.6 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.4 ms ⁻¹
Parameters	Monitoring Results (February 2023)
NO ₂	0.95 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<2.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁴ gs ⁻¹
Non-Methane Organic Carbons	<3.0 x 10 ⁻³ gs ⁻¹
Ammonia	0.0384 gs ⁻¹
Exhaust gas velocity	10.1 ms ⁻¹
Parameters	Monitoring Results (March 2023)
NO ₂	1.34 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<2.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.4 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.3 ms ⁻¹
Parameters	Monitoring Results (April 2023)
NO ₂	0.98 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<2.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.2 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	10.4 ms ⁻¹
Parameters	Monitoring Results (May 2023)
NO ₂	0.35 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	1.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.0 x 10 ⁻⁴ gs ⁻¹

Non-Methane Organic Carbons	$<3.0 \times 10^{-3} \text{ gs}^{-1}$
Ammonia	0.0227 gs^{-1}
Exhaust gas velocity	9.3 ms^{-1}
Parameters	Monitoring Results (June 2023)
NO ₂	0.95 gs^{-1}
CO	$<0.01 \text{ gs}^{-1}$
SO ₂	$<0.01 \text{ gs}^{-1}$
Benzene	$<1.0 \times 10^{-4} \text{ gs}^{-1}$
Vinyl chloride	$<1.0 \times 10^{-4} \text{ gs}^{-1}$
Exhaust gas velocity	8.2 ms^{-1}
Parameters	Monitoring Results (July 2023)
NO ₂	0.92 gs^{-1}
CO	0.02 gs^{-1}
SO ₂	$<0.01 \text{ gs}^{-1}$
Benzene	$<1.0 \times 10^{-4} \text{ gs}^{-1}$
Vinyl chloride	$<7.0 \times 10^{-5} \text{ gs}^{-1}$
Exhaust gas velocity	5.8 ms^{-1}
Parameters	Monitoring Results (August 2023)
NO ₂	0.14 gs^{-1}
CO	0.03 gs^{-1}
SO ₂	$<0.01 \text{ gs}^{-1}$
Benzene	$<1.0 \times 10^{-4} \text{ gs}^{-1}$
Vinyl chloride	$<9.0 \times 10^{-5} \text{ gs}^{-1}$
Non-Methane Organic Carbons	0.009 gs^{-1}
Ammonia	0.0361 gs^{-1}
Exhaust gas velocity	8.7 ms^{-1}
Parameters	Monitoring Results (September 2023)
NO ₂	0.23 gs^{-1}
CO	0.03 gs^{-1}
SO ₂	0.92 gs^{-1}
Benzene	$<1.0 \times 10^{-4} \text{ gs}^{-1}$
Vinyl chloride	$<1.0 \times 10^{-4} \text{ gs}^{-1}$
Exhaust gas velocity	8.1 ms^{-1}
Parameters	Monitoring Results (October 2023)
NO ₂	0.17 gs^{-1}
CO	0.03 gs^{-1}
SO ₂	0.79 gs^{-1}
Benzene	$<2.0 \times 10^{-4} \text{ gs}^{-1}$

Vinyl chloride	<1.2 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	10.5 ms ⁻¹ (b)
Parameters	Monitoring Results (November 2023)
NO ₂	0.55 gs ⁻¹
CO	0.03 gs ⁻¹
SO ₂	0.45 gs ⁻¹
Benzene	<2.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.1 x 10 ⁻⁴ gs ⁻¹
Non-Methane Organic Carbons	0.003 gs ⁻¹
Ammonia	0.0287 gs ⁻¹
Exhaust gas velocity	9.0 ms ⁻¹
Parameters	Monitoring Results (December 2023)
NO ₂	0.68 gs ⁻¹
CO	0.03 gs ⁻¹
SO ₂	<0.005 gs ⁻¹
Benzene	<2.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.0 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	7.7 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)	
1 Jan 23	926	1238	11.4	
2 Jan 23	939	1234		
3 Jan 23	934	1239		
4 Jan 23	920	1231		
5 Jan 23	912	1230		
6 Jan 23	927	1238		
7 Jan 23	923	1233		
8 Jan 23	923	1231		
9 Jan 23	925	1227		
10 Jan 23	926	1233		
11 Jan 23	936	1239		
12 Jan 23	938	1243		
13 Jan 23	917	1234		
14 Jan 23	941	1246		
15 Jan 23	965	1245		
16 Jan 23	947	1221		
17 Jan 23	927	1232		
18 Jan 23	911	1228		
19 Jan 23	942	1255		
20 Jan 23	925	1237		
21 Jan 23	918	1229		
22 Jan 23	Under Maintenance			
23 Jan 23	Under Maintenance			
24 Jan 23	Under Maintenance			
25 Jan 23	929	1236		
26 Jan 23	910	1227		
27 Jan 23	939	1242		
28 Jan 23	942	1251		
29 Jan 23	941	1252		
30 Jan 23	927	1226		
31 Jan 23	911	1229		
1 Feb 23	918	1232		
2 Feb 23	937	1244		
3 Feb 23	927	1230		
4 Feb 23	930	1241		
5 Feb 23	913	1226		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
6 Feb 23	Under Maintenance		10.1
7 Feb 23	Under Maintenance		
8 Feb 23	Under Maintenance		
9 Feb 23	924	1230	
10 Feb 23	942	1245	
11 Feb 23	906	1256	
12 Feb 23	903	1198	
13 Feb 23	916	1219	
14 Feb 23	922	1229	
15 Feb 23	924	1232	
16 Feb 23	925	1235	
17 Feb 23	922	1228	
18 Feb 23	924	1229	
19 Feb 23	930	1237	
20 Feb 23	902	1198	
21 Feb 23	895	1210	
22 Feb 23	930	1233	
23 Feb 23	924	1230	
24 Feb 23	925	1232	
25 Feb 23	937	1234	
26 Feb 23	935	1232	
27 Feb 23	934	1233	
28 Feb 23	925	1234	
1 Mar 23	930	1233	11.3
2 Mar 23	937	1239	
3 Mar 23	932	1230	
4 Mar 23	932	1239	
5 Mar 23	927	1230	
6 Mar 23	918	1214	
7 Mar 23	929	1237	
8 Mar 23	928	1231	
9 Mar 23	928	1233	
10 Mar 23	926	1233	
11 Mar 23	923	1233	
12 Mar 23	908	1222	
13 Mar 23	Under Maintenance		
14 Mar 23	Under Maintenance		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
15 Mar 23	Under Maintenance		
16 Mar 23	930	1232	
17 Mar 23	940	1235	
18 Mar 23	919	1188	
19 Mar 23	956	1240	
20 Mar 23	924	1213	
21 Mar 23	930	1212	
22 Mar 23	925	1209	
23 Mar 23	926	1215	
24 Mar 23	917	1212	
25 Mar 23	919	1213	
26 Mar 23	927	1212	
27 Mar 23	930	1207	
28 Mar 23	939	1212	
29 Mar 23	921	1211	
30 Mar 23	929	1218	
31 Mar 23	927	1216	
1 Apr 23	926	1214	
2 Apr 23	923	1216	
3 Apr 23	922	1212	
4 Apr 23	937	1218	
5 Apr 23	926	1221	
6 Apr 23	Under Maintenance		
7 Apr 23	932	1215	
8 Apr 23	924	1217	
9 Apr 23	924	1217	
10 Apr 23	919	1198	
11 Apr 23	923	1218	
12 Apr 23	928	1217	
13 Apr 23	927	1219	
14 Apr 23	925	1218	10.4
15 Apr 23	927	1230	
16 Apr 23	925	1228	
17 Apr 23	920	1235	
18 Apr 23	922	1236	
19 Apr 23	923	1239	
20 Apr 23	924	1240	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
21 Apr 23	921	1246	
22 Apr 23	928	1253	
23 Apr 23	925	1254	
24 Apr 23	923	1254	
25 Apr 23	923	1261	
26 Apr 23	925	1267	
27 Apr 23	922	1272	
28 Apr 23	926	1274	
29 Apr 23	925	1275	
30 Apr 23	924	1281	
1 May 23	922	1281	
2 May 23	914	1269	
3 May 23	909	1272	
4 May 23	895	1264	
5 May 23	880	1254	
6 May 23	880	1260	
7 May 23	880	1262	
8 May 23	906	1246	
9 May 23	882	1267	
10 May 23	893	1282	
11 May 23	883	1271	
12 May 23	893	1263	
13 May 23	871	1266	
14 May 23	871	1269	
15 May 23	869	1270	9.3
16 May 23	869	1271	
17 May 23	867	1275	
18 May 23	858	1250	
19 May 23	859	1255	
20 May 23	860	1257	
21 May 23	863	1263	
22 May 23	860	1268	
23 May 23	858	1260	
24 May 23	855	1260	
25 May 23	855	1262	
26 May 23	861	1271	
27 May 23	856	1265	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
28 May 23	858	1254	
29 May 23	865	1270	
30 May 23	860	1268	
31 May 23	857	1262	
1 Jun 23	862	1270	
2 Jun 23	858	1283	
3 Jun 23	859	1273	
4 Jun 23	853	1268	
5 Jun 23	Under Maintenance		
6 Jun 23	861	1278	
7 Jun 23	864	1275	
8 Jun 23	926	1189	
9 Jun 23	891	1210	
10 Jun 23	925	1212	
11 Jun 23	918	1214	
12 Jun 23	862	1208	
13 Jun 23	938	1221	
14 Jun 23	885	1208	
15 Jun 23	907	1206	8.2
16 Jun 23	904	1198	
17 Jun 23	894	1199	
18 Jun 23	930	1215	
19 Jun 23	930	1191	
20 Jun 23	931	1218	
21 Jun 23	922	1212	
22 Jun 23	934	1215	
23 Jun 23	940	1216	
24 Jun 23	920	1202	
25 Jun 23	912	1202	
26 Jun 23	868	1192	
27 Jun 23	933	1214	
28 Jun 23	916	1193	
29 Jun 23	933	1218	
30 Jun 23	932	1223	
1 Jul 23	938	1223	
2 Jul 23	916	1208	
3 Jul 23	944	1228	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	
4 Jul 23	902	1204	5.8	
5 Jul 23	919	1213		
6 Jul 23	929	1222		
7 Jul 23	933	1219		
8 Jul 23	896	1183		
9 Jul 23	910	1216		
10 Jul 23	905	1211		
11 Jul 23	951	1225		
12 Jul 23	950	1228		
13 Jul 23	941	1228		
14 Jul 23	932	1224		
15 Jul 23	935	1230		
16 Jul 23	914	1217		
17 Jul 23	901	1213		
18 Jul 23	906	1208		
19 Jul 23	913	1209		
20 Jul 23	871	1194		
21 Jul 23	Under Maintenance			
22 Jul 23	926	1223		
23 Jul 23	915	1206		
24 Jul 23	886	1198		
25 Jul 23	929	1219		
26 Jul 23	925	1219		
27 Jul 23	948	1222		
28 Jul 23	926	1212		
29 Jul 23	959	1225		
30 Jul 23	934	1215		
31 Jul 23	912	1206		
1 Aug 23	921	1224		
2 Aug 23	944	1228		
3 Aug 23	907	1218		
4 Aug 23	944	1222		
5 Aug 23	885	1180		
6 Aug 23	929	1221		
7 Aug 23	921	1218		
8 Aug 23	903	1212		
9 Aug 23	895	1208		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
10 Aug 23	898	1206	8.7
11 Aug 23	931	1220	
12 Aug 23	917	1195	
13 Aug 23	939	1212	
14 Aug 23	923	1212	
15 Aug 23	930	1224	
16 Aug 23	937	1218	
17 Aug 23	924	1206	
18 Aug 23	910	1205	
19 Aug 23	933	1214	
20 Aug 23	955	1227	
21 Aug 23	Under Maintenance		
22 Aug 23	Under Maintenance		
23 Aug 23	Under Maintenance		
24 Aug 23	Under Maintenance		
25 Aug 23	Under Maintenance		
26 Aug 23	Under Maintenance		
27 Aug 23	Under Maintenance		
28 Aug 23	Under Maintenance		
29 Aug 23	Under Maintenance		
30 Aug 23	Under Maintenance		
31 Aug 23	922	1180	
1 Sep 23	917	1194	
2 Sep 23	911	1183	
3 Sep 23	921	1204	
4 Sep 23	917	1206	
5 Sep 23	914	1204	
6 Sep 23	915	1194	
7 Sep 23	933	1216	
8 Sep 23	907	1188	
9 Sep 23	913	1204	
10 Sep 23	927	1209	
11 Sep 23	922	1204	
12 Sep 23	924	1200	
13 Sep 23	926	1207	
14 Sep 23	934	1210	
15 Sep 23	918	1203	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
16 Sep 23	926	1201	
17 Sep 23	939	1207	
18 Sep 23	903	1199	
19 Sep 23	912	1202	
20 Sep 23	908	1200	
21 Sep 23	920	1201	
22 Sep 23	924	1209	
23 Sep 23	939	1208	
24 Sep 23	910	1206	
25 Sep 23	921	1209	
26 Sep 23	916	1208	
27 Sep 23	869	1193	
28 Sep 23	925	1191	
29 Sep 23	939	1214	
30 Sep 23	918	1218	
1 Oct 23	909	1204	
2 Oct 23	900	1203	
3 Oct 23	909	1207	
4 Oct 23	943	1209	
5 Oct 23	924	1207	
6 Oct 23	924	1203	
7 Oct 23	924	1199	
8 Oct 23	926	1197	
9 Oct 23	926	1194	
10 Oct 23	926	1196	
11 Oct 23	927	1209	
12 Oct 23	926	1210	
13 Oct 23	926	1206	
14 Oct 23	927	1204	
15 Oct 23	925	1202	10.5
16 Oct 23	923	1197	
17 Oct 23	926	1195	
18 Oct 23	924	1197	
19 Oct 23	923	1200	
20 Oct 23	924	1200	
21 Oct 23	927	1209	
22 Oct 23	925	1200	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
23 Oct 23	926	1202	
24 Oct 23	928	1201	
25 Oct 23	927	1203	
26 Oct 23	Under Maintenance		
27 Oct 23	Under Maintenance		
28 Oct 23	Under Maintenance		
29 Oct 23	925	1192	
30 Oct 23	924	1197	
31 Oct 23	925	1200	
1 Nov 23	924	1196	
2 Nov 23	925	1197	
3 Nov 23	927	1201	
4 Nov 23	924	1201	
5 Nov 23	923	1199	
6 Nov 23	926	1197	
7 Nov 23	925	1196	
8 Nov 23	926	1198	
9 Nov 23	925	1196	
10 Nov 23	924	1199	
11 Nov 23	923	1203	
12 Nov 23	925	1204	
13 Nov 23	924	1201	
14 Nov 23	927	1204	
15 Nov 23	925	1203	
16 Nov 23	922	1197	
17 Nov 23	925	1198	
18 Nov 23	925	1199	
19 Nov 23	925	1200	
20 Nov 23	925	1204	
21 Nov 23	924	1201	
22 Nov 23	924	1202	
23 Nov 23	923	1198	
24 Nov 23	930	1212	9.0
25 Nov 23	926	1206	
26 Nov 23	926	1204	
27 Nov 23	926	1204	
28 Nov 23	Under Maintenance		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
29 Nov 23	925	1197	
30 Nov 23	926	1206	
1 Dec 23	923	1207	
2 Dec 23	927	1210	
3 Dec 23	927	1211	
4 Dec 23	924	1211	
5 Dec 23	925	1212	
6 Dec 23	926	1212	
7 Dec 23	927	1215	
8 Dec 23	925	1214	
9 Dec 23	926	1218	
10 Dec 23	924	1217	
11 Dec 23	928	1221	
12 Dec 23	926	1206	
13 Dec 23	928	1218	7.7
14 Dec 23	926	1215	
15 Dec 23	926	1214	
16 Dec 23	927	1204	
17 Dec 23	925	1204	
18 Dec 23	928	1208	
19 Dec 23	935	1207	
20 Dec 23	924	1215	
21 Dec 23	927	1209	
22 Dec 23	925	1209	
23 Dec 23	923	1212	
24 Dec 23	927	1214	
25 Dec 23	927	1211	
26 Dec 23	925	1211	
27 Dec 23	925	1213	
28 Dec 23	924	1211	
29 Dec 23	927	1213	
30 Dec 23	925	1212	
31 Dec 23	926	1212	
Average	918	1221	9.2
Min	853	1180	5.8
Max	965	1283	11.4

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)
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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 D5.3 LANDFILL GAS FLARE STACK EMISSION MONITORING RESULTS

Parameters	Monitoring Results (January 2023)
	Flare 1 – F601
NO ₂	0.024 gs ⁻¹
CO	0.111 gs ⁻¹
SO ₂	<0.012 gs ⁻¹
Benzene	<1.8 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.44 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	12.5 ms ⁻¹
Parameters	Monitoring Results (February 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	0.16 gs ⁻¹
SO ₂	0.02 gs ⁻¹
Benzene	<1.2 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.6 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	0.006 gs ⁻¹
Exhaust gas velocity	8.9 ms ⁻¹
Parameters	Monitoring Results (March 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	<0.01 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<9.5 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<7.6 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	6.2 ms ⁻¹
Parameters	Monitoring Results (April 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	2.16 gs ⁻¹
SO ₂	0.02 gs ⁻¹
Benzene	<1.6 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	11.6 ms ⁻¹
Parameters	Monitoring Results (May 2023)
	Flare 1 – F601
NO ₂	0.03 gs ⁻¹
CO	0.33 gs ⁻¹

SO ₂	<0.01 gs ⁻¹
Benzene	<4.47 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.07 x 10 ⁻⁴ gs ⁻¹
Non-Methane Organic Carbons	0.003 gs ⁻¹
Exhaust gas velocity	8.7 ms ⁻¹
Parameters	Monitoring Results (June 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	0.64 gs ⁻¹
SO ₂	<0.06 gs ⁻¹
Benzene	3.30 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.01 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	8.9 ms ⁻¹
Parameters	Monitoring Results (July 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	0.04 gs ⁻¹
SO ₂	0.03 gs ⁻¹
Benzene	1.34 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.07 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	8.5 ms ⁻¹
Parameters	Monitoring Results (August 2023)
	Flare 1 – F601
NO ₂	<0.02 gs ⁻¹
CO	0.08 gs ⁻¹
SO ₂	0.06 gs ⁻¹
Benzene	<1.22 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<0.98 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	0.003 gs ⁻¹
Exhaust gas velocity	8.9 ms ⁻¹
Parameters	Monitoring Results (September 2023)
	Flare 1 – F601
NO ₂	<0.01 gs ⁻¹
CO	0.20 gs ⁻¹
SO ₂	0.02 gs ⁻¹
Benzene	<1.22 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.7 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.1 ms ⁻¹

Parameters	Monitoring Results (October 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	0.38 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<3.03 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<7.9 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	5.8 ms ⁻¹
Parameters	Monitoring Results (November 2023)
	Flare 1 – F601
NO ₂	0.02 gs ⁻¹
CO	0.032 gs ⁻¹
SO ₂	0.05 gs ⁻¹
Benzene	<8.9 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<7.1 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	0.004 gs ⁻¹
Exhaust gas velocity	6.3 ms ⁻¹
Parameters	Monitoring Results (December 2023)
	Flare 1 – F601
NO ₂	0.03 gs ⁻¹
CO	0.02 gs ⁻¹
SO ₂	<0.01 gs ⁻¹
Benzene	<1.26 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.01 x 10 ⁻⁴ gs ⁻¹
Exhaust gas velocity	9.0 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				
1 Jan 23	-	-	12.5	Under Maintenance
2 Jan 23	820	1035		In Operation
3 Jan 23	830	1060		In Operation
4 Jan 23	865	1069		In Operation
5 Jan 23	887	1037		In Operation
6 Jan 23	880	1058		In Operation
7 Jan 23	890	1073		In Operation
8 Jan 23	870	1023		In Operation
9 Jan 23	870	1068		In Operation
10 Jan 23	830	1043		In Operation
11 Jan 23	880	1063		In Operation
12 Jan 23	830	1053		In Operation
13 Jan 23	890	1073		In Operation
14 Jan 23	880	1053		In Operation
15 Jan 23	880	1073		In Operation
16 Jan 23	900	1073		In Operation
17 Jan 23	890	1073		In Operation
18 Jan 23	830	1053		In Operation
19 Jan 23	860	963		In Operation
20 Jan 23	890	1053		In Operation
21 Jan 23	820	973		In Operation
22 Jan 23	910	1093		In Operation
23 Jan 23	880	1073		In Operation
24 Jan 23	870	1073		In Operation
25 Jan 23	880	1073		In Operation
26 Jan 23	870	1063		In Operation
27 Jan 23	930	1153		In Operation
28 Jan 23	860	1083		In Operation
29 Jan 23	860	1063		In Operation
30 Jan 23	870	1063		In Operation
31 Jan 23	840	1043		In Operation
1 Feb 23	860	1073	In Operation	
2 Feb 23	880	1043	In Operation	
3 Feb 23	870	1073	In Operation	
4 Feb 23	830	1023	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
5 Feb 23	880	1033	8.9	In Operation
6 Feb 23	840	1053		In Operation
7 Feb 23	880	1053		In Operation
8 Feb 23	890	1033		In Operation
9 Feb 23	880	1043		In Operation
10 Feb 23	-	-		Under Maintenance
11 Feb 23	-	-		Under Maintenance
12 Feb 23	-	-		Under Maintenance
13 Feb 23	-	-		Under Maintenance
14 Feb 23	-	-		Under Maintenance
15 Feb 23	-	-		Under Maintenance
16 Feb 23	-	-		Under Maintenance
17 Feb 23	-	-		Under Maintenance
18 Feb 23	-	-		Under Maintenance
19 Feb 23	-	-		Under Maintenance
20 Feb 23	860	1023		In Operation
21 Feb 23	880	1043		In Operation
22 Feb 23	880	1053		In Operation
23 Feb 23	900	1053		In Operation
24 Feb 23	870	1003		In Operation
25 Feb 23	900	1093		In Operation
26 Feb 23	880	1083		In Operation
27 Feb 23	840	1023		In Operation
28 Feb 23	830	1073		In Operation
1 Mar 23	923	1090		In Operation
2 Mar 23	954	1093		In Operation
3 Mar 23	880	1083		In Operation
4 Mar 23	958	1083		In Operation
5 Mar 23	980	1073	In Operation	
6 Mar 23	915	1083	In Operation	
7 Mar 23	934	1083	In Operation	
8 Mar 23	940	1063	In Operation	
9 Mar 23	-	-	Under Maintenance	
10 Mar 23	910	1063	In Operation	
11 Mar 23	920	1083	In Operation	
12 Mar 23	940	1083	In Operation	
13 Mar 23	960	1093	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
14 Mar 23	980	1153	6.2	In Operation
15 Mar 23	920	1093		In Operation
16 Mar 23	990	1193		In Operation
17 Mar 23	990	1163		In Operation
18 Mar 23	970	1093		In Operation
19 Mar 23	940	1083		In Operation
20 Mar 23	950	1123		In Operation
21 Mar 23	900	1083		In Operation
22 Mar 23	880	1053		In Operation
23 Mar 23	870	1063		In Operation
24 Mar 23	890	1073		In Operation
25 Mar 23	940	1113		In Operation
26 Mar 23	950	1133		In Operation
27 Mar 23	960	1173		In Operation
28 Mar 23	930	1123		In Operation
29 Mar 23	950	1153		In Operation
30 Mar 23	970	1143	In Operation	
31 Mar 23	900	1103	In Operation	
1 Apr 23	872	1049	11.6	In Operation
2 Apr 23	875	1093		In Operation
3 Apr 23	895	1063		In Operation
4 Apr 23	900	1020		In Operation
5 Apr 23	942	1068		In Operation
6 Apr 23	880	1063		In Operation
7 Apr 23	860	1053		In Operation
8 Apr 23	860	1063		In Operation
9 Apr 23	850	1033		In Operation
10 Apr 23	890	1073		In Operation
11 Apr 23	880	1063		In Operation
12 Apr 23	880	1093		In Operation
13 Apr 23	890	1063		In Operation
14 Apr 23	860	1053		In Operation
15 Apr 23	920	1073		In Operation
16 Apr 23	880	1093		In Operation
17 Apr 23	840	1093		In Operation
18 Apr 23	870	1093		In Operation
19 Apr 23	880	1033		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
20 Apr 23	890	1043		In Operation
21 Apr 23	870	1093		In Operation
22 Apr 23	870	1063		In Operation
23 Apr 23	880	1093		In Operation
24 Apr 23	890	1083		In Operation
25 Apr 23	830	1023		In Operation
26 Apr 23	930	1133		In Operation
27 Apr 23	940	1153		In Operation
28 Apr 23	890	1063		In Operation
29 Apr 23	900	1083		In Operation
30 Apr 23	930	1033		In Operation
1 May 23	954	1053		In Operation
2 May 23	820	1063		In Operation
3 May 23	860	1003		In Operation
4 May 23	930	1093		In Operation
5 May 23	940	1033		In Operation
6 May 23	990	1053		In Operation
7 May 23	870	1053		In Operation
8 May 23	840	1053		In Operation
9 May 23	870	1073		In Operation
10 May 23	900	1043		In Operation
11 May 23	900	1093		In Operation
12 May 23	840	1043		In Operation
13 May 23	920	1143		In Operation
14 May 23	830	1053		In Operation
15 May 23	870	1093	8.7	In Operation
16 May 23	850	1093		In Operation
17 May 23	930	1043		In Operation
18 May 23	860	1003		In Operation
19 May 23	920	1163		In Operation
20 May 23	840	1023		In Operation
21 May 23	940	1033		In Operation
22 May 23	850	1083		In Operation
23 May 23	890	1103		In Operation
24 May 23	880	1083		In Operation
25 May 23	880	1103		In Operation
26 May 23	855	1023		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
27 May 23	860	1003		In Operation
28 May 23	830	1053		In Operation
29 May 23	840	1013		In Operation
30 May 23	850	1023		In Operation
31 May 23	840	1023		In Operation
1 Jun 23	868	1017		In Operation
2 Jun 23	870	1038		In Operation
3 Jun 23	884	1053		In Operation
4 Jun 23	860	1053		In Operation
5 Jun 23	880	1033		In Operation
6 Jun 23	890	1033		In Operation
7 Jun 23	890	1043		In Operation
8 Jun 23	820	1043		In Operation
9 Jun 23	890	1053		In Operation
10 Jun 23	890	1083		In Operation
11 Jun 23	900	1073		In Operation
12 Jun 23	850	1063		In Operation
13 Jun 23	880	1053		In Operation
14 Jun 23	890	1003		In Operation
15 Jun 23	850	1083	8.9	In Operation
16 Jun 23	920	1133		In Operation
17 Jun 23	850	1023		In Operation
18 Jun 23	830	1033		In Operation
19 Jun 23	880	1053		In Operation
20 Jun 23	850	1053		In Operation
21 Jun 23	820	1043		In Operation
22 Jun 23	880	1033		In Operation
23 Jun 23	830	1043		In Operation
24 Jun 23	880	1063		In Operation
25 Jun 23	840	1053		In Operation
26 Jun 23	880	1023		In Operation
27 Jun 23	870	1023		In Operation
28 Jun 23	900	1123		In Operation
29 Jun 23	-	-		In Operation
30 Jun 23	-	-		Under Maintenance
1 Jul 23	870	1117		In Operation
2 Jul 23	870	1093		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
3 Jul 23	860	1113	8.5	In Operation
4 Jul 23	880	1113		In Operation
5 Jul 23	840	1083		In Operation
6 Jul 23	880	1143		In Operation
7 Jul 23	870	1123		In Operation
8 Jul 23	880	1113		In Operation
9 Jul 23	860	1063		In Operation
10 Jul 23	880	1043		In Operation
11 Jul 23	860	1043		In Operation
12 Jul 23	880	1053		In Operation
13 Jul 23	840	1023		In Operation
14 Jul 23	830	1043		In Operation
15 Jul 23	820	1053		In Operation
16 Jul 23	880	1113		In Operation
17 Jul 23	830	1043		In Operation
18 Jul 23	860	1033		In Operation
19 Jul 23	870	1053		In Operation
20 Jul 23	930	1063		In Operation
21 Jul 23	880	1053		In Operation
22 Jul 23	880	1053		In Operation
23 Jul 23	830	1023		In Operation
24 Jul 23	870	1033		In Operation
25 Jul 23	850	1053		In Operation
26 Jul 23	860	1003		In Operation
27 Jul 23	860	1093		In Operation
28 Jul 23	860	1093		In Operation
29 Jul 23	920	1153		In Operation
30 Jul 23	910	1033		In Operation
31 Jul 23	870	1103		In Operation
1 Aug 23	877	1043		In Operation
2 Aug 23	830	1023		In Operation
3 Aug 23	835	993	In Operation	
4 Aug 23	850	1003	In Operation	
5 Aug 23	850	1043	In Operation	
6 Aug 23	-	-	Under Maintenance	
7 Aug 23	860	1033	In Operation	
8 Aug 23	860	1023	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
9 Aug 23	980	1133	8.9	In Operation
10 Aug 23	970	1063		In Operation
11 Aug 23	950	1103		In Operation
12 Aug 23	880	1053		In Operation
13 Aug 23	860	1033		In Operation
14 Aug 23	850	1043		In Operation
15 Aug 23	870	1023		In Operation
16 Aug 23	910	1093		In Operation
17 Aug 23	980	1083		In Operation
18 Aug 23	950	1123		In Operation
19 Aug 23	870	1053		In Operation
20 Aug 23	830	1023		In Operation
21 Aug 23	860	1053		In Operation
22 Aug 23	880	1063		In Operation
23 Aug 23	860	1053		In Operation
24 Aug 23	850	1063		In Operation
25 Aug 23	840	1043		In Operation
26 Aug 23	860	1073		In Operation
27 Aug 23	860	1053		In Operation
28 Aug 23	860	1063		In Operation
29 Aug 23	860	1053		In Operation
30 Aug 23	865	1085		In Operation
31 Aug 23	890	1073		In Operation
1 Sep 23	843	1029		In Operation
2 Sep 23	852	1041		In Operation
3 Sep 23	859	1023		In Operation
4 Sep 23	954	1034		In Operation
5 Sep 23	874	979		In Operation
6 Sep 23	880	1003		In Operation
7 Sep 23	946	1074		In Operation
8 Sep 23	936	1106		In Operation
9 Sep 23	876	1047	In Operation	
10 Sep 23	990	1151	In Operation	
11 Sep 23	901	1127	In Operation	
12 Sep 23	988	1149	In Operation	
13 Sep 23	897	1055	In Operation	
14 Sep 23	935	1024	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status	
15 Sep 23	856	1046	9.1	In Operation	
16 Sep 23	971	1085		In Operation	
17 Sep 23	881	1012		In Operation	
18 Sep 23	900	1082		In Operation	
19 Sep 23	845	979		In Operation	
20 Sep 23	844	1047		In Operation	
21 Sep 23	892	1035		In Operation	
22 Sep 23	833	1027		In Operation	
23 Sep 23	861	1008		In Operation	
24 Sep 23	848	1010		In Operation	
25 Sep 23	849	1041		In Operation	
26 Sep 23	858	1037		In Operation	
27 Sep 23	843	1025		In Operation	
28 Sep 23	841	1034		In Operation	
29 Sep 23	972	1044		In Operation	
30 Sep 23	847	1032		In Operation	
1 Oct 23	824	1041		5.8	In Operation
2 Oct 23	827	1063			In Operation
3 Oct 23	830	1067			In Operation
4 Oct 23	832	1070			In Operation
5 Oct 23	834	1073			In Operation
6 Oct 23	836	1076			In Operation
7 Oct 23	838	1079			In Operation
8 Oct 23	840	1083			In Operation
9 Oct 23	843	1087			In Operation
10 Oct 23	845	1091			In Operation
11 Oct 23	848	1095			In Operation
12 Oct 23	852	1100			In Operation
13 Oct 23	856	1107			In Operation
14 Oct 23	860	1113			In Operation
15 Oct 23	868	1102	In Operation		
16 Oct 23	860	1125	In Operation		
17 Oct 23	861	1113	In Operation		
18 Oct 23	859	1124	In Operation		
19 Oct 23	857	1116	In Operation		
20 Oct 23	868	1100	In Operation		
21 Oct 23	854	1115	In Operation		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
22 Oct 23	864	1013		In Operation
23 Oct 23	868	1112		In Operation
24 Oct 23	850	1109		In Operation
25 Oct 23	854	1086		In Operation
26 Oct 23	850	1106		In Operation
27 Oct 23	833	1075		In Operation
28 Oct 23	959	1199		In Operation
29 Oct 23	837	1093		In Operation
30 Oct 23	857	1120		In Operation
31 Oct 23	848	1116		In Operation
1 Nov 23	992	1258		In Operation
2 Nov 23	900	1141		In Operation
3 Nov 23	952	1206		In Operation
4 Nov 23	838	1100		In Operation
5 Nov 23	889	1155		In Operation
6 Nov 23	836	1103		In Operation
7 Nov 23	860	1118		In Operation
8 Nov 23	862	1121		In Operation
9 Nov 23	858	1121		In Operation
10 Nov 23	993	1246		In Operation
11 Nov 23	869	1129		In Operation
12 Nov 23	855	1115		In Operation
13 Nov 23	870	1128		In Operation
14 Nov 23	981	1229		In Operation
15 Nov 23	863	1123		In Operation
16 Nov 23	973	1239		In Operation
17 Nov 23	970	1209		In Operation
18 Nov 23	901	1137		In Operation
19 Nov 23	867	1105		In Operation
20 Nov 23	885	1129		In Operation
21 Nov 23	985	1229		In Operation
22 Nov 23	956	1212		In Operation
23 Nov 23	913	1148		In Operation
24 Nov 23	911	1161		In Operation
25 Nov 23	890	1144		In Operation
26 Nov 23	849	1107		In Operation
27 Nov 23	916	1164	6.3	In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
28 Nov 23	941	1170		In Operation
29 Nov 23	907	1148		In Operation
30 Nov 23	978	1170		In Operation
1 Dec 23	990	1143		In Operation
2 Dec 23	880	1123		In Operation
3 Dec 23	990	1143		In Operation
4 Dec 23	960	1153		In Operation
5 Dec 23	990	1143		In Operation
6 Dec 23	990	1233		In Operation
7 Dec 23	860	1103		In Operation
8 Dec 23	990	1123		In Operation
9 Dec 23	860	1113		In Operation
10 Dec 23	980	1153		In Operation
11 Dec 23	980	1123		In Operation
12 Dec 23	990	1253		In Operation
13 Dec 23	890	1083		In Operation
14 Dec 23	940	1113		In Operation
15 Dec 23	990	1123		In Operation
16 Dec 23	990	1253		In Operation
17 Dec 23	850	1083		In Operation
18 Dec 23	860	1093		In Operation
19 Dec 23	850	1053		In Operation
20 Dec 23	850	1063		In Operation
21 Dec 23	890	1093		In Operation
22 Dec 23	910	1093		In Operation
23 Dec 23	920	1133		In Operation
24 Dec 23	950	1143		In Operation
25 Dec 23	850	1083		In Operation
26 Dec 23	890	1093		In Operation
27 Dec 23	830	1033		In Operation
28 Dec 23	980	1143		In Operation
29 Dec 23	840	1043		In Operation
30 Dec 23	830	1053		In Operation
31 Dec 23	890	1053	9.0	In Operation
Average	886	1079	8.7	
Min	820	963	5.8	
Max	993	1258	12.5	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
Flare 2 – F602				
1 Jan 23	-	-	12.5	Under Maintenance
2 Jan 23	-	-		Under Maintenance
3 Jan 23	-	-		Under Maintenance
4 Jan 23	-	-		Under Maintenance
5 Jan 23	-	-		Under Maintenance
6 Jan 23	830	1053		In Operation
7 Jan 23	860	1103		In Operation
8 Jan 23	840	1073		In Operation
9 Jan 23	870	1073		In Operation
10 Jan 23	840	1073		In Operation
11 Jan 23	820	1043		In Operation
12 Jan 23	900	1113		In Operation
13 Jan 23	860	1113		In Operation
14 Jan 23	820	1073		In Operation
15 Jan 23	820	1053		In Operation
16 Jan 23	840	1063		In Operation
17 Jan 23	920	1113		In Operation
18 Jan 23	880	1073		In Operation
19 Jan 23	860	1073		In Operation
20 Jan 23	840	1063		In Operation
21 Jan 23	840	1053		In Operation
22 Jan 23	860	1053		In Operation
23 Jan 23	-	-		Under Maintenance
24 Jan 23	-	-		Under Maintenance
25 Jan 23	-	-		Under Maintenance
26 Jan 23	-	-		Under Maintenance
27 Jan 23	880	1103		In Operation
28 Jan 23	830	1028		In Operation
29 Jan 23	870	1063		In Operation
30 Jan 23	-	-		Under Maintenance
31 Jan 23	840	1043		In Operation
1 Feb 23	860	1088	In Operation	
2 Feb 23	-	-	Under Maintenance	
3 Feb 23	-	-	Under Maintenance	
4 Feb 23	860	1083	In Operation	
5 Feb 23	840	1093	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
6 Feb 23	880	1103	8.9	In Operation
7 Feb 23	900	1153		In Operation
8 Feb 23	-	-		Under Maintenance
9 Feb 23	850	1083		In Operation
10 Feb 23	840	1063		In Operation
11 Feb 23	-	-		Under Maintenance
12 Feb 23	870	1053		In Operation
13 Feb 23	870	1073		In Operation
14 Feb 23	860	1093		In Operation
15 Feb 23	880	1083		In Operation
16 Feb 23	880	1093		In Operation
17 Feb 23	840	1073		In Operation
18 Feb 23	830	1053		In Operation
19 Feb 23	830	1053		In Operation
20 Feb 23	-	-		Under Maintenance
21 Feb 23	840	1053		In Operation
22 Feb 23	820	1073		In Operation
23 Feb 23	880	1083		In Operation
24 Feb 23	880	1083		In Operation
25 Feb 23	-	-		Under Maintenance
26 Feb 23	-	-		Under Maintenance
27 Feb 23	-	-		Under Maintenance
28 Feb 23	890	1093		In Operation
1 Mar 23	990	1193		In Operation
2 Mar 23	905	1113		In Operation
3 Mar 23	930	1123		In Operation
4 Mar 23	910	1113		In Operation
5 Mar 23	900	1103		In Operation
6 Mar 23	910	1113	In Operation	
7 Mar 23	920	1133	In Operation	
8 Mar 23	990	1193	In Operation	
9 Mar 23	-	-	Under Maintenance	
10 Mar 23	900	1103	In Operation	
11 Mar 23	910	1113	In Operation	
12 Mar 23	910	1123	In Operation	
13 Mar 23	910	1103	In Operation	
14 Mar 23	920	1133	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status	
15 Mar 23	940	1143	6.2	In Operation	
16 Mar 23	990	1193		In Operation	
17 Mar 23	990	1203		In Operation	
18 Mar 23	880	1113		In Operation	
19 Mar 23	990	1183		In Operation	
20 Mar 23	940	1163		In Operation	
21 Mar 23	910	1143		In Operation	
22 Mar 23	830	993		In Operation	
23 Mar 23	910	1123		In Operation	
24 Mar 23	930	1123		In Operation	
25 Mar 23	940	1113		In Operation	
26 Mar 23	950	1133		In Operation	
27 Mar 23	990	1193		In Operation	
28 Mar 23	950	1133		In Operation	
29 Mar 23	930	1133		In Operation	
30 Mar 23	870	1063		In Operation	
31 Mar 23	860	1043		In Operation	
1 Apr 23	-	-		11.6	Under Maintenance
2 Apr 23	-	-			Under Maintenance
3 Apr 23	840	1083			In Operation
4 Apr 23	-	-			Under Maintenance
5 Apr 23	840	983			In Operation
6 Apr 23	880	1103			In Operation
7 Apr 23	890	1123			In Operation
8 Apr 23	-	-			Under Maintenance
9 Apr 23	-	-			Under Maintenance
10 Apr 23	840	1093			In Operation
11 Apr 23	-	-			Under Maintenance
12 Apr 23	-	-			Under Maintenance
13 Apr 23	-	-			Under Maintenance
14 Apr 23	-	-			Under Maintenance
15 Apr 23	-	-	Under Maintenance		
16 Apr 23	860	1103	In Operation		
17 Apr 23	860	1073	In Operation		
18 Apr 23	830	1083	In Operation		
19 Apr 23	840	1078	In Operation		
20 Apr 23	880	1103	In Operation		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
21 Apr 23	840	1088		In Operation
22 Apr 23	-	-		Under Maintenance
23 Apr 23	-	-		Under Maintenance
24 Apr 23	880	1113		In Operation
25 Apr 23	-	-		Under Maintenance
26 Apr 23	-	-		Under Maintenance
27 Apr 23	-	-		Under Maintenance
28 Apr 23	-	-		Under Maintenance
29 Apr 23	-	-		Under Maintenance
30 Apr 23	860	1113		In Operation
1 May 23	890	1113		In Operation
2 May 23	920	1033		In Operation
3 May 23	890	1083		In Operation
4 May 23	850	1003		In Operation
5 May 23	830	1073		In Operation
6 May 23	910	1033		In Operation
7 May 23	860	1043		In Operation
8 May 23	880	1123		In Operation
9 May 23	890	1013		In Operation
10 May 23	830	1073		In Operation
11 May 23	880	1033		In Operation
12 May 23	890	1053		In Operation
13 May 23	890	1093		In Operation
14 May 23	860	1083		In Operation
15 May 23	880	1123	8.7	In Operation
16 May 23	840	1073		In Operation
17 May 23	890	1043		In Operation
18 May 23	870	1083		In Operation
19 May 23	900	1113		In Operation
20 May 23	890	1113		In Operation
21 May 23	900	1123		In Operation
22 May 23	900	1113		In Operation
23 May 23	880	1073		In Operation
24 May 23	890	1093		In Operation
25 May 23	880	1083		In Operation
26 May 23	860	1073		In Operation
27 May 23	890	1103		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
28 May 23	880	1103		In Operation
29 May 23	870	1093		In Operation
30 May 23	830	1033		In Operation
31 May 23	900	1113		In Operation
1 Jun 23	880	1113		In Operation
2 Jun 23	830	1063		In Operation
3 Jun 23	880	1113		In Operation
4 Jun 23	920	1113		In Operation
5 Jun 23	910	1153		In Operation
6 Jun 23	910	1163		In Operation
7 Jun 23	870	1083		In Operation
8 Jun 23	860	1093		In Operation
9 Jun 23	880	1103		In Operation
10 Jun 23	830	1063		In Operation
11 Jun 23	880	1103		In Operation
12 Jun 23	900	1113		In Operation
13 Jun 23	835	1063		In Operation
14 Jun 23	870	1093		In Operation
15 Jun 23	-	-	8.9	Under Maintenance
16 Jun 23	-	-		Under Maintenance
17 Jun 23	840	1063		In Operation
18 Jun 23	850	1073		In Operation
19 Jun 23	-	-		Under Maintenance
20 Jun 23	-	-		Under Maintenance
21 Jun 23	-	-		Under Maintenance
22 Jun 23	-	-		Under Maintenance
23 Jun 23	-	-		Under Maintenance
24 Jun 23	-	-		Under Maintenance
25 Jun 23	-	-		Under Maintenance
26 Jun 23	-	-		Under Maintenance
27 Jun 23	-	-		Under Maintenance
28 Jun 23	880	1063		In Operation
29 Jun 23	870	1083		In Operation
30 Jun 23	850	1063		In Operation
1 Jul 23	880	1143		In Operation
2 Jul 23	840	1043		In Operation
3 Jul 23	830	1053		In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
4 Jul 23	860	1083	8.5	In Operation
5 Jul 23	860	1063		In Operation
6 Jul 23	840	1083		In Operation
7 Jul 23	880	1073		In Operation
8 Jul 23	860	1093		In Operation
9 Jul 23	-	-		Under Maintenance
10 Jul 23	880	1113		In Operation
11 Jul 23	860	1093		In Operation
12 Jul 23	880	1103		In Operation
13 Jul 23	850	1083		In Operation
14 Jul 23	830	1053		In Operation
15 Jul 23	850	1083		In Operation
16 Jul 23	860	1083		In Operation
17 Jul 23	830	1053		In Operation
18 Jul 23	840	1083		In Operation
19 Jul 23	900	1123		In Operation
20 Jul 23	870	1063		In Operation
21 Jul 23	870	1123		In Operation
22 Jul 23	840	1083		In Operation
23 Jul 23	830	1073		In Operation
24 Jul 23	830	1053		In Operation
25 Jul 23	860	1083		In Operation
26 Jul 23	840	1093		In Operation
27 Jul 23	830	1063		In Operation
28 Jul 23	870	1093		In Operation
29 Jul 23	840	1053		In Operation
30 Jul 23	-	-		Under Maintenance
31 Jul 23	850	1093		In Operation
1 Aug 23	830	1063		In Operation
2 Aug 23	840	1053		In Operation
3 Aug 23	890	1003	In Operation	
4 Aug 23	830	1053	In Operation	
5 Aug 23	860	1083	In Operation	
6 Aug 23	860	1083	In Operation	
7 Aug 23	900	1093	In Operation	
8 Aug 23	830	1033	In Operation	
9 Aug 23	870	1083	In Operation	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status	
10 Aug 23	870	1073	8.9	In Operation	
11 Aug 23	880	1023		In Operation	
12 Aug 23	930	1123		In Operation	
13 Aug 23	850	1063		In Operation	
14 Aug 23	820	1023		In Operation	
15 Aug 23	860	1043		In Operation	
16 Aug 23	820	1053		In Operation	
17 Aug 23	860	1053		In Operation	
18 Aug 23	840	1053		In Operation	
19 Aug 23	820	1023		In Operation	
20 Aug 23	840	1053		In Operation	
21 Aug 23	840	1063		In Operation	
22 Aug 23	870	1116		In Operation	
23 Aug 23	840	1063		In Operation	
24 Aug 23	830	1083		In Operation	
25 Aug 23	830	1043		In Operation	
26 Aug 23	890	1053		In Operation	
27 Aug 23	860	1053		In Operation	
28 Aug 23	850	1083		In Operation	
29 Aug 23	880	1103		In Operation	
30 Aug 23	840	1083		In Operation	
31 Aug 23	890	1073		In Operation	
1 Sep 23	939	1142		9.1	In Operation
2 Sep 23	917	1091			In Operation
3 Sep 23	953	1110			In Operation
4 Sep 23	948	1126			In Operation
5 Sep 23	988	1178			In Operation
6 Sep 23	946	1128			In Operation
7 Sep 23	968	1134			In Operation
8 Sep 23	948	1121			In Operation
9 Sep 23	926	1097			In Operation
10 Sep 23	952	1128	In Operation		
11 Sep 23	889	1076	In Operation		
12 Sep 23	899	1076	In Operation		
13 Sep 23	922	1098	In Operation		
14 Sep 23	931	1109	In Operation		
15 Sep 23	914	1098	In Operation		

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
16 Sep 23	929	1110		In Operation
17 Sep 23	931	1111		In Operation
18 Sep 23	938	1109		In Operation
19 Sep 23	942	1121		In Operation
20 Sep 23	948	1118		In Operation
21 Sep 23	941	1114		In Operation
22 Sep 23	931	1109		In Operation
23 Sep 23	941	1110		In Operation
24 Sep 23	952	1124		In Operation
25 Sep 23	928	1104		In Operation
26 Sep 23	943	1104		In Operation
27 Sep 23	940	1119		In Operation
28 Sep 23	950	1121		In Operation
29 Sep 23	919	1085		In Operation
30 Sep 23	912	1084		In Operation
1 Oct 23	936	1061		In Operation
2 Oct 23	845	1089		In Operation
3 Oct 23	899	1120		In Operation
4 Oct 23	908	1115		In Operation
5 Oct 23	913	1117		In Operation
6 Oct 23	917	1122		In Operation
7 Oct 23	913	1137		In Operation
8 Oct 23	894	1116		In Operation
9 Oct 23	921	1140		In Operation
10 Oct 23	920	1150		In Operation
11 Oct 23	923	1152		In Operation
12 Oct 23	909	1140		In Operation
13 Oct 23	921	1143		In Operation
14 Oct 23	914	1159		In Operation
15 Oct 23	904	1123		In Operation
16 Oct 23	935	1060		In Operation
17 Oct 23	842	1086		In Operation
18 Oct 23	900	1121		In Operation
19 Oct 23	911	1118		In Operation
20 Oct 23	912	1116		In Operation
21 Oct 23	914	1119		In Operation
22 Oct 23	914	1138	5.8	In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
23 Oct 23	897	1119		In Operation
24 Oct 23	920	1139		In Operation
25 Oct 23	917	1147		In Operation
26 Oct 23	924	1153		In Operation
27 Oct 23	912	1143		In Operation
28 Oct 23	920	1142		In Operation
29 Oct 23	911	1156		In Operation
30 Oct 23	905	1124		In Operation
31 Oct 23	903	1112		In Operation
1 Nov 23	882	1101		In Operation
2 Nov 23	855	1045		In Operation
3 Nov 23	869	1023		In Operation
4 Nov 23	853	1063		In Operation
5 Nov 23	890	1107		In Operation
6 Nov 23	973	1106		In Operation
7 Nov 23	840	1058		In Operation
8 Nov 23	863	1087		In Operation
9 Nov 23	876	1093		In Operation
10 Nov 23	828	1090		In Operation
11 Nov 23	841	1037		In Operation
12 Nov 23	855	1075		In Operation
13 Nov 23	860	1073		In Operation
14 Nov 23	900	1120		In Operation
15 Nov 23	889	1099		In Operation
16 Nov 23	843	1106		In Operation
17 Nov 23	885	1123		In Operation
18 Nov 23	862	1084		In Operation
19 Nov 23	864	1093		In Operation
20 Nov 23	851	1081		In Operation
21 Nov 23	859	1090		In Operation
22 Nov 23	860	1073		In Operation
23 Nov 23	862	1095		In Operation
24 Nov 23	868	1087		In Operation
25 Nov 23	-	-		Under maintenance
26 Nov 23	-	-		Under maintenance
27 Nov 23	854	1110		In Operation
28 Nov 23	882	1147	6.3	In Operation

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
29 Nov 23	865	1098		In Operation
30 Nov 23	865	1119		In Operation
1 Dec 23	860	1053		In Operation
2 Dec 23	830	1043		In Operation
3 Dec 23	860	1043		In Operation
4 Dec 23	840	993		In Operation
5 Dec 23	850	1013		In Operation
6 Dec 23	960	1143		In Operation
7 Dec 23	910	1093		In Operation
8 Dec 23	840	1063		In Operation
9 Dec 23	850	1023		In Operation
10 Dec 23	840	1013		In Operation
11 Dec 23	840	993		In Operation
12 Dec 23	860	1023		In Operation
13 Dec 23	880	1043		In Operation
14 Dec 23	880	1093		In Operation
15 Dec 23	860	1013	9.0	In Operation
16 Dec 23	850	993		In Operation
17 Dec 23	-	-		Under maintenance
18 Dec 23	-	-		Under maintenance
19 Dec 23	-	-		Under maintenance
20 Dec 23	-	-		Under maintenance
21 Dec 23	860	1093		In Operation
22 Dec 23	840	1053		In Operation
23 Dec 23	860	1043		In Operation
24 Dec 23	880	1063		In Operation
25 Dec 23	880	1063		In Operation
26 Dec 23	-	-		Under maintenance
27 Dec 23	880	1083		In Operation
28 Dec 23	870	1053		In Operation
29 Dec 23	830	1053		In Operation
30 Dec 23	840	1063		In Operation
31 Dec 23	750	923		In Operation
Average	880	1089	8.70	
Min	750	923	5.80	
Max	990	1203	12.50	

Date	Gas Combustion Temperature (°C)	Exhaust Temperature (K)	Exhaust Gas Velocity (ms ⁻¹) (a)	Operation Status
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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 2023)
NO ₂	0.044 gs ⁻¹
CO	0.731 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	<7.0 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<9.6 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	10.0 ms ⁻¹
Parameters	Monitoring Results (February 2023)
NO ₂	0.053 gs ⁻¹
CO	0.973 gs ⁻¹
SO ₂	<0.002 gs ⁻¹
Benzene	<1.0 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	<3.3 x 10 ⁻³ gs ⁻¹
Exhaust gas velocity	12.1 ms ⁻¹
Parameters	Monitoring Results (March 2023)
NO ₂	0.079 gs ⁻¹
CO	0.942 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	9.7 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.2 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	13.9 ms ⁻¹
Parameters	Monitoring Results (April 2023)
NO ₂	0.018 gs ⁻¹
CO	0.694 gs ⁻¹
SO ₂	0.001 gs ⁻¹
Benzene	3.0 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<0.8 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	9.1 ms ⁻¹
Parameters	Monitoring Results (May 2023)
NO ₂	0.030 gs ⁻¹
CO	0.853 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	5.9 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.2 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	1.9 x 10 ⁻³ gs ⁻¹
Exhaust gas velocity	12.9 ms ⁻¹

Parameters	Monitoring Results (June 2023)
NO ₂	0.034 gs ⁻¹
CO	1.012 gs ⁻¹
SO ₂	0.002 gs ⁻¹
Benzene	6.6 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.3 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	13.6 ms ⁻¹
Parameters	Monitoring Results (July 2023)
NO ₂	0.032 gs ⁻¹
CO	0.678 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	3.4 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<8.9 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	10.6 ms ⁻¹
Parameters	Monitoring Results (August 2023)
NO ₂	0.024 gs ⁻¹
CO	0.895 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	6.9 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.1 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	1.9 x 10 ⁻³ gs ⁻¹
Exhaust gas velocity	13.1 ms ⁻¹
Parameters	Monitoring Results (September 2023)
NO ₂	0.007 gs ⁻¹
CO	0.89 gs ⁻¹
SO ₂	0.001 gs ⁻¹
Benzene	1.5 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.07 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	13.0 ms ⁻¹
Parameters	Monitoring Results (October 2023)
NO ₂	0.06 gs ⁻¹
CO	1.08 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	4.0 x 10 ⁻⁵ gs ⁻¹
Vinyl chloride	<1.06 x 10 ⁻⁵ gs ⁻¹
Exhaust gas velocity	11.6 ms ⁻¹
Parameters	Monitoring Results (November 2023)
NO ₂	0.095 gs ⁻¹

CO	1.082 gs ⁻¹
SO ₂	<0.001 gs ⁻¹
Benzene	1.01 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<1.02 x 10 ⁻⁵ gs ⁻¹
Non-Methane Organic Carbons	0.0064 gs ⁻¹
Exhaust gas velocity	11.8 ms ⁻¹
Parameters	Monitoring Results (December 2023)
NO ₂	0.075 gs ⁻¹
CO	0.994 gs ⁻¹
SO ₂	<4.00 x 10 ⁻⁴ gs ⁻¹
Benzene	1.86 x 10 ⁻⁴ gs ⁻¹
Vinyl chloride	<9.5 x 10 ⁻⁶ gs ⁻¹
Exhaust gas velocity	10.5 ms ⁻¹

(a) The Landfill Gas Generator was under maintenance in the reporting period.

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			
1 Jan 23	-	10.0	Standby
2 Jan 23	-		Standby
3 Jan 23	-		Standby
4 Jan 23	-		Standby
5 Jan 23	860		In Operation
6 Jan 23	860		In Operation
7 Jan 23	-		Standby
8 Jan 23	-		Standby
9 Jan 23	-		Standby
10 Jan 23	-		Standby
11 Jan 23	-		Standby
12 Jan 23	-		Standby
13 Jan 23	-		Standby
14 Jan 23	-		Standby
15 Jan 23	-		Standby
16 Jan 23	-		Standby
17 Jan 23	856		In Operation
18 Jan 23	849		In Operation
19 Jan 23	856		In Operation
20 Jan 23	860		In Operation
21 Jan 23	869		In Operation
22 Jan 23	-		Standby
23 Jan 23	-		Standby
24 Jan 23	-		Standby
25 Jan 23	-		Standby
26 Jan 23	860		In Operation
27 Jan 23	860		In Operation
28 Jan 23	860		In Operation
29 Jan 23	861		In Operation
30 Jan 23	865		In Operation
31 Jan 23	865		In Operation
1 Feb 23	868	In Operation	
2 Feb 23	868	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
3 Feb 23	868	12.1	In Operation
4 Feb 23	869		In Operation
5 Feb 23	870		In Operation
6 Feb 23	865		In Operation
7 Feb 23	867		In Operation
8 Feb 23	866		In Operation
9 Feb 23	872		In Operation
10 Feb 23	867		In Operation
11 Feb 23	867		In Operation
12 Feb 23	870		In Operation
13 Feb 23	871		In Operation
14 Feb 23	860		In Operation
15 Feb 23	868		In Operation
16 Feb 23	868		In Operation
17 Feb 23	869		In Operation
18 Feb 23	869		In Operation
19 Feb 23	870		In Operation
20 Feb 23	-		Under Maintenance
21 Feb 23	-		Under Maintenance
22 Feb 23	-		Under Maintenance
23 Feb 23	-		Under Maintenance
24 Feb 23	870		In Operation
25 Feb 23	870		In Operation
26 Feb 23	872		In Operation
27 Feb 23	868		In Operation
28 Feb 23	870		In Operation
1 Mar 23	871		In Operation
2 Mar 23	876		In Operation
3 Mar 23	873		In Operation
4 Mar 23	874	In Operation	
5 Mar 23	875	In Operation	
6 Mar 23	868	In Operation	
7 Mar 23	877	In Operation	
8 Mar 23	878	In Operation	
9 Mar 23	879	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
10 Mar 23	879	13.9	In Operation
11 Mar 23	881		In Operation
12 Mar 23	879		In Operation
13 Mar 23	875		In Operation
14 Mar 23	876		In Operation
15 Mar 23	877		In Operation
16 Mar 23	879		In Operation
17 Mar 23	-		Under Maintenance
18 Mar 23	-		Under Maintenance
19 Mar 23	-		Under Maintenance
20 Mar 23	874		In Operation
21 Mar 23	869		In Operation
22 Mar 23	869		In Operation
23 Mar 23	874		In Operation
24 Mar 23	875		In Operation
25 Mar 23	-		Under Maintenance
26 Mar 23	-		Under Maintenance
27 Mar 23	-		Under Maintenance
28 Mar 23	-		Under Maintenance
29 Mar 23	-		Under Maintenance
30 Mar 23	-		Under Maintenance
31 Mar 23	-		Under Maintenance
1 Apr 23	865		In Operation
2 Apr 23	864		In Operation
3 Apr 23	862		In Operation
4 Apr 23	-		Under Maintenance
5 Apr 23	-		Under Maintenance
6 Apr 23	-		Under Maintenance
7 Apr 23	-		Under Maintenance
8 Apr 23	-		Under Maintenance
9 Apr 23	-		Under Maintenance
10 Apr 23	-	Under Maintenance	
11 Apr 23	-	Under Maintenance	
12 Apr 23	-	Under Maintenance	
13 Apr 23	-	Under Maintenance	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
14 Apr 23	-	9.1	Under Maintenance
15 Apr 23	-		Under Maintenance
16 Apr 23	-		Under Maintenance
17 Apr 23	-		Under Maintenance
18 Apr 23	-		Under Maintenance
19 Apr 23	-		Under Maintenance
20 Apr 23	-		Under Maintenance
21 Apr 23	-		Under Maintenance
22 Apr 23	-		Under Maintenance
23 Apr 23	-		Under Maintenance
24 Apr 23	-		Under Maintenance
25 Apr 23	861		In Operation
26 Apr 23	858		In Operation
27 Apr 23	-		Under Maintenance
28 Apr 23	-		Under Maintenance
29 Apr 23	-		Under Maintenance
30 Apr 23	-	Under Maintenance	
1 May 23	-	12.9	Under Maintenance
2 May 23	-		Under Maintenance
3 May 23	-		Under Maintenance
4 May 23	-		Under Maintenance
5 May 23	-		Under Maintenance
6 May 23	876		In Operation
7 May 23	872		In Operation
8 May 23	871		In Operation
9 May 23	-		Under Maintenance
10 May 23	869		In Operation
11 May 23	872		In Operation
12 May 23	-		Under Maintenance
13 May 23	-		Under Maintenance
14 May 23	-		Under Maintenance
15 May 23	872		In Operation
16 May 23	870		In Operation
17 May 23	876		In Operation
18 May 23	877		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
19 May 23	878	13.6	In Operation
20 May 23	879		In Operation
21 May 23	877		In Operation
22 May 23	877		In Operation
23 May 23	873		In Operation
24 May 23	873		In Operation
25 May 23	875		In Operation
26 May 23	875		In Operation
27 May 23	864		In Operation
28 May 23	862		In Operation
29 May 23	875		In Operation
30 May 23	877		In Operation
31 May 23	873		In Operation
1 Jun 23	876		In Operation
2 Jun 23	878		In Operation
3 Jun 23	877		In Operation
4 Jun 23	876		In Operation
5 Jun 23	876		In Operation
6 Jun 23	875		In Operation
7 Jun 23	877		In Operation
8 Jun 23	879		In Operation
9 Jun 23	878		In Operation
10 Jun 23	878		In Operation
11 Jun 23	879		In Operation
12 Jun 23	880		In Operation
13 Jun 23	-		Under Maintenance
14 Jun 23	-		Under Maintenance
15 Jun 23	879		In Operation
16 Jun 23	876		In Operation
17 Jun 23	877		In Operation
18 Jun 23	876		In Operation
19 Jun 23	855	In Operation	
20 Jun 23	850	In Operation	
21 Jun 23	847	In Operation	
22 Jun 23	845	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
23 Jun 23	847		In Operation
24 Jun 23	846		In Operation
25 Jun 23	847		In Operation
26 Jun 23	847		In Operation
27 Jun 23	847		In Operation
28 Jun 23	848		In Operation
29 Jun 23	847		In Operation
30 Jun 23	848		In Operation
1 Jul 23	847		In Operation
2 Jul 23	848		In Operation
3 Jul 23	847		In Operation
4 Jul 23	847		In Operation
5 Jul 23	847		In Operation
6 Jul 23	846		In Operation
7 Jul 23	875		In Operation
8 Jul 23	846		In Operation
9 Jul 23	847		In Operation
10 Jul 23	846		In Operation
11 Jul 23	847		In Operation
12 Jul 23	846		In Operation
13 Jul 23	847		In Operation
14 Jul 23	846		In Operation
15 Jul 23	847		In Operation
16 Jul 23	846		In Operation
17 Jul 23	849		In Operation
18 Jul 23	845		In Operation
19 Jul 23	850		In Operation
20 Jul 23	-	10.6	Under Maintenance
21 Jul 23	-		Under Maintenance
22 Jul 23	844		In Operation
23 Jul 23	845		In Operation
24 Jul 23	843		In Operation
25 Jul 23	843		In Operation
26 Jul 23	843		In Operation
27 Jul 23	845		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
28 Jul 23	848		In Operation
29 Jul 23	844		In Operation
30 Jul 23	843		In Operation
31 Jul 23	843		In Operation
1 Aug 23	866		In Operation
2 Aug 23	848		In Operation
3 Aug 23	870		In Operation
4 Aug 23	876		In Operation
5 Aug 23	867		In Operation
6 Aug 23	847		In Operation
7 Aug 23	846		In Operation
8 Aug 23	849		In Operation
9 Aug 23	851		In Operation
10 Aug 23	861		In Operation
11 Aug 23	873		In Operation
12 Aug 23	876		In Operation
13 Aug 23	846	13.1	In Operation
14 Aug 23	874		In Operation
15 Aug 23	847		In Operation
16 Aug 23	873		In Operation
17 Aug 23	847		In Operation
18 Aug 23	876		In Operation
19 Aug 23	874		In Operation
20 Aug 23	847		In Operation
21 Aug 23	876		In Operation
22 Aug 23	875		In Operation
23 Aug 23	875		In Operation
24 Aug 23	874		In Operation
25 Aug 23	875		In Operation
26 Aug 23	875		In Operation
27 Aug 23	875		In Operation
28 Aug 23	875		In Operation
29 Aug 23	874		In Operation
30 Aug 23	-		Under Maintenance
31 Aug 23	872		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
1 Sep 23	872	13.0	In Operation
2 Sep 23	845		In Operation
3 Sep 23	853		In Operation
4 Sep 23	875		In Operation
5 Sep 23	876		In Operation
6 Sep 23	878		In Operation
7 Sep 23	895		In Operation
8 Sep 23	877		In Operation
9 Sep 23	879		In Operation
10 Sep 23	886		In Operation
11 Sep 23	884		In Operation
12 Sep 23	876		In Operation
13 Sep 23	877		In Operation
14 Sep 23	878		In Operation
15 Sep 23	876		In Operation
16 Sep 23	877		In Operation
17 Sep 23	876		In Operation
18 Sep 23	877		In Operation
19 Sep 23	881		In Operation
20 Sep 23	877		In Operation
21 Sep 23	877		In Operation
22 Sep 23	847		In Operation
23 Sep 23	846		In Operation
24 Sep 23	847		In Operation
25 Sep 23	845		In Operation
26 Sep 23	844		In Operation
27 Sep 23	844		In Operation
28 Sep 23	844		In Operation
29 Sep 23	844		In Operation
30 Sep 23	844		In Operation
1 Oct 23	843	13.0	In Operation
2 Oct 23	843		In Operation
3 Oct 23	844		In Operation
4 Oct 23	841		In Operation
5 Oct 23	841		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
6 Oct 23	840	11.6	In Operation
7 Oct 23	837		In Operation
8 Oct 23	841		In Operation
9 Oct 23	-		Under Maintenance
10 Oct 23	-		Under Maintenance
11 Oct 23	-		Under Maintenance
12 Oct 23	-		Under Maintenance
13 Oct 23	-		Under Maintenance
14 Oct 23	-		Under Maintenance
15 Oct 23	-		Under Maintenance
16 Oct 23	-		Under Maintenance
17 Oct 23	-		Under Maintenance
18 Oct 23	-		Under Maintenance
19 Oct 23	843		In Operation
20 Oct 23	841		In Operation
21 Oct 23	842		In Operation
22 Oct 23	838		In Operation
23 Oct 23	875		In Operation
24 Oct 23	877		In Operation
25 Oct 23	879		In Operation
26 Oct 23	879		In Operation
27 Oct 23	879		In Operation
28 Oct 23	879		In Operation
29 Oct 23	879		In Operation
30 Oct 23	880		In Operation
31 Oct 23	882		In Operation
1 Nov 23	883		In Operation
2 Nov 23	884		In Operation
3 Nov 23	885		In Operation
4 Nov 23	-		Under Maintenance
5 Nov 23	873		In Operation
6 Nov 23	868	In Operation	
7 Nov 23	874	In Operation	
8 Nov 23	875	In Operation	
9 Nov 23	876	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
10 Nov 23	878	11.8	In Operation
11 Nov 23	877		In Operation
12 Nov 23	871		In Operation
13 Nov 23	872		In Operation
14 Nov 23	873		In Operation
15 Nov 23	876		In Operation
16 Nov 23	872		In Operation
17 Nov 23	872		In Operation
18 Nov 23	875		In Operation
19 Nov 23	877		In Operation
20 Nov 23	876		In Operation
21 Nov 23	878		In Operation
22 Nov 23	879		In Operation
23 Nov 23	875		In Operation
24 Nov 23	874		In Operation
25 Nov 23	875		In Operation
26 Nov 23	876		In Operation
27 Nov 23	858		In Operation
28 Nov 23	-		Under Maintenance
29 Nov 23	-		Under Maintenance
30 Nov 23	-		Under Maintenance
1 Dec 23	-		Under Maintenance
2 Dec 23	-		Under Maintenance
3 Dec 23	-		Under Maintenance
4 Dec 23	873		In Operation
5 Dec 23	873		In Operation
6 Dec 23	873		In Operation
7 Dec 23	869		In Operation
8 Dec 23	873		In Operation
9 Dec 23	876		In Operation
10 Dec 23	879	In Operation	
11 Dec 23	880	In Operation	
12 Dec 23	882	In Operation	
13 Dec 23	880	In Operation	
14 Dec 23	882	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)	
15 Dec 23	884	10.5	In Operation	
16 Dec 23	883		In Operation	
17 Dec 23	875		In Operation	
18 Dec 23	880		In Operation	
19 Dec 23	877		In Operation	
20 Dec 23	873		In Operation	
21 Dec 23	872		In Operation	
22 Dec 23	869		In Operation	
23 Dec 23	871		In Operation	
24 Dec 23	871		In Operation	
25 Dec 23	871		In Operation	
26 Dec 23	872		In Operation	
27 Dec 23	875		In Operation	
28 Dec 23	876		In Operation	
29 Dec 23	884		In Operation	
30 Dec 23	882		In Operation	
31 Dec 23	884		In Operation	
Average	866		11.9	
Min	837		9.1	
Max	895		13.9	

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1 Jan 23	836		In Operation
2 Jan 23	834		In Operation
3 Jan 23	853		In Operation
4 Jan 23	843		In Operation
5 Jan 23	870		In Operation
6 Jan 23	852		In Operation
7 Jan 23	853		In Operation
8 Jan 23	855		In Operation
9 Jan 23	862		In Operation
10 Jan 23	862		In Operation
11 Jan 23	863		In Operation
12 Jan 23	865		In Operation
13 Jan 23	868		In Operation
14 Jan 23	868		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)	
15 Jan 23	861	10.0	In Operation	
16 Jan 23	861		In Operation	
17 Jan 23	871		In Operation	
18 Jan 23	-		Under Maintenance	
19 Jan 23	-		Under Maintenance	
20 Jan 23	-		Under Maintenance	
21 Jan 23	859		In Operation	
22 Jan 23	861		In Operation	
23 Jan 23	862		In Operation	
24 Jan 23	857		In Operation	
25 Jan 23	859		In Operation	
26 Jan 23	873		In Operation	
27 Jan 23	-		Under Maintenance	
28 Jan 23	-		Under Maintenance	
29 Jan 23	-		Under Maintenance	
30 Jan 23	-		Under Maintenance	
31 Jan 23	-		Under Maintenance	
1 Feb 23	-		12.1	Under Maintenance
2 Feb 23	-			Under Maintenance
3 Feb 23	-			Under Maintenance
4 Feb 23	-			Under Maintenance
5 Feb 23	-			Under Maintenance
6 Feb 23	-			Under Maintenance
7 Feb 23	-			Under Maintenance
8 Feb 23	-			Under Maintenance
9 Feb 23	-			Under Maintenance
10 Feb 23	-			Under Maintenance
11 Feb 23	-			Under Maintenance
12 Feb 23	-			Under Maintenance
13 Feb 23	-			Under Maintenance
14 Feb 23	-			Under Maintenance
15 Feb 23	-	Under Maintenance		
16 Feb 23	-	Under Maintenance		
17 Feb 23	-	Under Maintenance		
18 Feb 23	-	Under Maintenance		

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
19 Feb 23	-		Under Maintenance
20 Feb 23	860		In Operation
21 Feb 23	860		In Operation
22 Feb 23	861		In Operation
23 Feb 23	862		In Operation
24 Feb 23	-		Under Maintenance
25 Feb 23	-		Under Maintenance
26 Feb 23	-		Under Maintenance
27 Feb 23	-		Under Maintenance
28 Feb 23	-		Under Maintenance
1 Mar 23	-		Under Maintenance
2 Mar 23	-		Under Maintenance
3 Mar 23	-		Under Maintenance
4 Mar 23	-		Under Maintenance
5 Mar 23	-		Under Maintenance
6 Mar 23	-		Under Maintenance
7 Mar 23	-		Under Maintenance
8 Mar 23	-		Under Maintenance
9 Mar 23	-		Under Maintenance
10 Mar 23	-		Under Maintenance
11 Mar 23	-		Under Maintenance
12 Mar 23	-		Under Maintenance
13 Mar 23	-		Under Maintenance
14 Mar 23	-		Under Maintenance
15 Mar 23	-	13.9	Under Maintenance
16 Mar 23	-		Under Maintenance
17 Mar 23	867		In Operation
18 Mar 23	862		In Operation
19 Mar 23	863		In Operation
20 Mar 23	875		In Operation
21 Mar 23	-		Under Maintenance
22 Mar 23	-		Under Maintenance
23 Mar 23	-		Under Maintenance
24 Mar 23	870		In Operation
25 Mar 23	866		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
26 Mar 23	864		In Operation
27 Mar 23	863		In Operation
28 Mar 23	859		In Operation
29 Mar 23	860		In Operation
30 Mar 23	859		In Operation
31 Mar 23	859		In Operation
1 Apr 23	863		In Operation
2 Apr 23	-		Under Maintenance
3 Apr 23	858		In Operation
4 Apr 23	867		In Operation
5 Apr 23	867		In Operation
6 Apr 23	847		In Operation
7 Apr 23	858		In Operation
8 Apr 23	858		In Operation
9 Apr 23	858		In Operation
10 Apr 23	859		In Operation
11 Apr 23	868		In Operation
12 Apr 23	873		In Operation
13 Apr 23	871		In Operation
14 Apr 23	870		In Operation
15 Apr 23	871	9.1	In Operation
16 Apr 23	856		In Operation
17 Apr 23	873		In Operation
18 Apr 23	873		In Operation
19 Apr 23	872		In Operation
20 Apr 23	874		In Operation
21 Apr 23	872		In Operation
22 Apr 23	871		In Operation
23 Apr 23	870		In Operation
24 Apr 23	868		In Operation
25 Apr 23	864		In Operation
26 Apr 23	868		In Operation
27 Apr 23	866		In Operation
28 Apr 23	869		In Operation
29 Apr 23	869		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
30 Apr 23	863		In Operation
1 May 23	860		In Operation
2 May 23	862		In Operation
3 May 23	864		In Operation
4 May 23	865		In Operation
5 May 23	870		In Operation
6 May 23	-		Under Maintenance
7 May 23	-		Under Maintenance
8 May 23	-		Under Maintenance
9 May 23	861		In Operation
10 May 23	-		Under Maintenance
11 May 23	868		In Operation
12 May 23	868		In Operation
13 May 23	868		In Operation
14 May 23	867		In Operation
15 May 23	-	12.9	Under Maintenance
16 May 23	-		Under Maintenance
17 May 23	-		Under Maintenance
18 May 23	-		Under Maintenance
19 May 23	-		Under Maintenance
20 May 23	-		Under Maintenance
21 May 23	-		Under Maintenance
22 May 23	-		Under Maintenance
23 May 23	-		Under Maintenance
24 May 23	-		Under Maintenance
25 May 23	-		Under Maintenance
26 May 23	-		Under Maintenance
27 May 23	-		Under Maintenance
28 May 23	-		Under Maintenance
29 May 23	-		Under Maintenance
30 May 23	-		Under Maintenance
31 May 23	-		Under Maintenance
1 Jun 23	-		Under Maintenance
2 Jun 23	-		Under Maintenance
3 Jun 23	-		Under Maintenance

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
4 Jun 23	-	13.6	Under Maintenance
5 Jun 23	-		Under Maintenance
6 Jun 23	-		Under Maintenance
7 Jun 23	-		Under Maintenance
8 Jun 23	-		Under Maintenance
9 Jun 23	-		Under Maintenance
10 Jun 23	-		Under Maintenance
11 Jun 23	-		Under Maintenance
12 Jun 23	-		Under Maintenance
13 Jun 23	876		In Operation
14 Jun 23	877		In Operation
15 Jun 23	-		Under Maintenance
16 Jun 23	-		Under Maintenance
17 Jun 23	-		Under Maintenance
18 Jun 23	-		Under Maintenance
19 Jun 23	851		In Operation
20 Jun 23	846		In Operation
21 Jun 23	843		In Operation
22 Jun 23	841		In Operation
23 Jun 23	843		In Operation
24 Jun 23	842		In Operation
25 Jun 23	843		In Operation
26 Jun 23	842		In Operation
27 Jun 23	843		In Operation
28 Jun 23	844		In Operation
29 Jun 23	843		In Operation
30 Jun 23	843		In Operation
1 Jul 23	844		In Operation
2 Jul 23	844		In Operation
3 Jul 23	843		In Operation
4 Jul 23	843		In Operation
5 Jul 23	845		In Operation
6 Jul 23	843	In Operation	
7 Jul 23	-	Under Maintenance	
8 Jul 23	842	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
9 Jul 23	843	10.6	In Operation
10 Jul 23	843		In Operation
11 Jul 23	843		In Operation
12 Jul 23	842		In Operation
13 Jul 23	843		In Operation
14 Jul 23	842		In Operation
15 Jul 23	844		In Operation
16 Jul 23	842		In Operation
17 Jul 23	844		In Operation
18 Jul 23	841		In Operation
19 Jul 23	845		In Operation
20 Jul 23	870		In Operation
21 Jul 23	872		In Operation
22 Jul 23	842		In Operation
23 Jul 23	843		In Operation
24 Jul 23	842		In Operation
25 Jul 23	842		In Operation
26 Jul 23	842		In Operation
27 Jul 23	843		In Operation
28 Jul 23	846		In Operation
29 Jul 23	843		In Operation
30 Jul 23	842		In Operation
31 Jul 23	841		In Operation
1 Aug 23	852		In Operation
2 Aug 23	865		In Operation
3 Aug 23	845		In Operation
4 Aug 23	843		In Operation
5 Aug 23	847		In Operation
6 Aug 23	845		In Operation
7 Aug 23	872		In Operation
8 Aug 23	874		In Operation
9 Aug 23	850	In Operation	
10 Aug 23	875	In Operation	
11 Aug 23	843	In Operation	
12 Aug 23	844	In Operation	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)	
13 Aug 23	845	13.1	In Operation	
14 Aug 23	846		In Operation	
15 Aug 23	846		In Operation	
16 Aug 23	850		In Operation	
17 Aug 23	870		In Operation	
18 Aug 23	846		In Operation	
19 Aug 23	847		In Operation	
20 Aug 23	846		In Operation	
21 Aug 23	846		In Operation	
22 Aug 23	-		Under Maintenance	
23 Aug 23	-		Under Maintenance	
24 Aug 23	-		Under Maintenance	
25 Aug 23	-		Under Maintenance	
26 Aug 23	-		Under Maintenance	
27 Aug 23	-		Under Maintenance	
28 Aug 23	-		Under Maintenance	
29 Aug 23	875		In Operation	
30 Aug 23	874		In Operation	
31 Aug 23	871		In Operation	
1 Sep 23	871		13.0	In Operation
2 Sep 23	843			In Operation
3 Sep 23	-	Under Maintenance		
4 Sep 23	-	Under Maintenance		
5 Sep 23	-	Under Maintenance		
6 Sep 23	-	Under Maintenance		
7 Sep 23	-	Under Maintenance		
8 Sep 23	-	Under Maintenance		
9 Sep 23	-	Under Maintenance		
10 Sep 23	-	Under Maintenance		
11 Sep 23	-	Under Maintenance		
12 Sep 23	-	Under Maintenance		
13 Sep 23	-	Under Maintenance		
14 Sep 23	-	Under Maintenance		
15 Sep 23	-	Under Maintenance		
16 Sep 23	-	Under Maintenance		

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
17 Sep 23	-		Under Maintenance
18 Sep 23	-		Under Maintenance
19 Sep 23	-		Under Maintenance
20 Sep 23	-		Under Maintenance
21 Sep 23	845		In Operation
22 Sep 23	844		In Operation
23 Sep 23	843		In Operation
24 Sep 23	843		In Operation
25 Sep 23	841		In Operation
26 Sep 23	841		In Operation
27 Sep 23	841		In Operation
28 Sep 23	869		In Operation
29 Sep 23	869		In Operation
30 Sep 23	841		In Operation
1 Oct 23	840		In Operation
2 Oct 23	840		In Operation
3 Oct 23	842		In Operation
4 Oct 23	839		In Operation
5 Oct 23	838		In Operation
6 Oct 23	838		In Operation
7 Oct 23	836		In Operation
8 Oct 23	840		In Operation
9 Oct 23	866		In Operation
10 Oct 23	854		In Operation
11 Oct 23	864		In Operation
12 Oct 23	864		In Operation
13 Oct 23	863	11.6	In Operation
14 Oct 23	866		In Operation
15 Oct 23	867		In Operation
16 Oct 23	867		In Operation
17 Oct 23	868		In Operation
18 Oct 23	872		In Operation
19 Oct 23	844		In Operation
20 Oct 23	843		In Operation
21 Oct 23	870		In Operation

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
22 Oct 23	840	11.8	In Operation
23 Oct 23	-		Under Maintenance
24 Oct 23	-		Under Maintenance
25 Oct 23	-		Under Maintenance
26 Oct 23	-		Under Maintenance
27 Oct 23	-		Under Maintenance
28 Oct 23	-		Under Maintenance
29 Oct 23	-		Under Maintenance
30 Oct 23	-		Under Maintenance
31 Oct 23	-		Under Maintenance
1 Nov 23	-		Under Maintenance
2 Nov 23	-		Under Maintenance
3 Nov 23	-		Under Maintenance
4 Nov 23	-		Under Maintenance
5 Nov 23	-		Under Maintenance
6 Nov 23	-		Under Maintenance
7 Nov 23	-		Under Maintenance
8 Nov 23	-		Under Maintenance
9 Nov 23	-		Under Maintenance
10 Nov 23	-		Under Maintenance
11 Nov 23	-		Under Maintenance
12 Nov 23	-		Under Maintenance
13 Nov 23	-		Under Maintenance
14 Nov 23	-		Under Maintenance
15 Nov 23	-		Under Maintenance
16 Nov 23	-		Under Maintenance
17 Nov 23	-		Under Maintenance
18 Nov 23	-		Under Maintenance
19 Nov 23	-		Under Maintenance
20 Nov 23	-		Under Maintenance
21 Nov 23	-		Under Maintenance
22 Nov 23	-	Under Maintenance	
23 Nov 23	-	Under Maintenance	
24 Nov 23	-	Under Maintenance	
25 Nov 23	-	Under Maintenance	

Date	Exhaust temperature (K)	Exhaust gas velocity (ms ⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
26 Nov 23	-		Under Maintenance
27 Nov 23	-		Under Maintenance
28 Nov 23	-		Under Maintenance
29 Nov 23	868		In Operation
30 Nov 23	868		In Operation
1 Dec 23	869		In Operation
2 Dec 23	868		In Operation
3 Dec 23	869		In Operation
4 Dec 23	869		In Operation
5 Dec 23	-		Under Maintenance
6 Dec 23	-		Under Maintenance
7 Dec 23	-		Under Maintenance
8 Dec 23	-		Under Maintenance
9 Dec 23	-		Under Maintenance
10 Dec 23	-		Under Maintenance
11 Dec 23	-		Under Maintenance
12 Dec 23	-		Under Maintenance
13 Dec 23	-		Under Maintenance
14 Dec 23	-		Under Maintenance
15 Dec 23	-	10.5	Under Maintenance
16 Dec 23	-		Under Maintenance
17 Dec 23	-		Under Maintenance
18 Dec 23	-		Under Maintenance
19 Dec 23	-		Under Maintenance
20 Dec 23	-		Under Maintenance
21 Dec 23	-		Under Maintenance
22 Dec 23	-		Under Maintenance
23 Dec 23	-		Under Maintenance
24 Dec 23	-		Under Maintenance
25 Dec 23	-		Under Maintenance
26 Dec 23	-		Under Maintenance
27 Dec 23	-		Under Maintenance
28 Dec 23	-		Under Maintenance
29 Dec 23	-		Under Maintenance
30 Dec 23	-		Under Maintenance

Date	Exhaust temperature (K)	Exhaust gas velocity (ms⁻¹) ^(a)	Operation Status (Landfill Gas Generator in Operation)
31 Dec 23	-		Under Maintenance
Average	856	11.7	
Min	834	9.1	
Max	877	13.9	

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.