



Sonoma County Central Landfill 500 Mecham Road,
Petaluma, CA 94952 o 407.799.1693 republicservices.com

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

Director of the Air Division, USEPA Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attn: Air-3

TV Tracking #: 693

1. RECEIVED IN
ENFORCEMENT: 05/19/2023

Subject: REVISED Combined NESHAP/NSPS Report, 8-34 Semi-Annual Report, 40 CFR Subpart
AAAA Semi-Annual Report, and Title V Semi-Annual Monitoring Report
Sonoma County Central Landfill, Petaluma, California (Title V Facility No. A2254)

Dear Sir or Madam:

Republic Services of Sonoma County, Inc. is pleased to submit the enclosed revised pages for the combined National Emission Standards for Hazardous Air Pollutants (NESHAP)/ New Source Performance Standards (NSPS) Report, Bay Area Air Quality Management District (BAAQMD), Regulation 8, Rule 34 Semi-Annual Report; and Title V Semi-Annual Monitoring Report to the BAAQMD and the U.S. Environmental Protection Agency (EPA) Region IX for the Sonoma County Central Landfill (Sonoma Central).

The combined NESHAP/NSPS, Title V Semi-Annual Monitoring Report, the BAAQMD Rule 8-34 Semi-Annual Report was originally submitted to the BAAQMD and EPA on February 28, 2023 and covers the period from August 1, 2022 through January 31, 2023.

These revised pages are being submitted to amend the data reported in Appendix C of the report (LFGTE Facility Downtime). Please note all engine downtime was accurately reported in the original submittal, however the reason for downtime for shutdowns that occurred in December 2022 and January 2023 have been amended.

If you have any questions regarding this submittal, please do not hesitate to call me at (510) 301-9387 or email me at DCheney@republicservices.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Derek Cheney", with a long horizontal flourish extending to the right.

Derek Cheney
Environmental Manager
Sonoma Central Landfill

cc: Ken Lewis, Sonoma Central
Maria Bowen, SCS Engineers

Appendix C. LFGTE Facility Downtime - REVISED 05-18-23
Sonoma County Central Landfill, Petaluma, California
(August 1, 2022 through January 31, 2023)

Shutdown Date/Time	Startup Date/Time	Duration (Hours)	Engine(s)	Reason for Downtime
8/1/2022 0:00	2/1/2023 0:00	4416.00	4 (S-7)	Out of service pending overhaul*
8/1/2022 0:00	2/1/2023 0:00	4416.00	5 (S-9)	Out of service pending overhaul*
8/1/2022 0:00	10/12/2022 11:24	1739.40	8 (S-12)	Out of service pending overhaul*
8/1/2022 0:00	2/1/2023 0:00	4416.00	9 (S-13)	Out of service pending overhaul*
8/1/2022 0:00	2/1/2023 0:00	4416.00	10 (S-14)	Long-Term Standby*
8/1/2022 2:26	8/1/2022 5:56	3.50	1 (S-4)	Detonation
8/1/2022 8:54	8/1/2022 9:18	0.40	1 (S-4)	Tuning
8/1/2022 9:24	8/1/2022 9:46	0.37	2 (S-5)	Tuning
8/1/2022 9:58	8/1/2022 10:20	0.37	3 (S-6)	Tuning
8/1/2022 20:04	8/2/2022 8:52	12.80	1 (S-4)	Detonation
8/2/2022 8:34	8/2/2022 8:38	0.07	2 (S-5)	Detonation
8/2/2022 14:36	8/2/2022 14:40	0.07	2 (S-5)	Tuning
8/3/2022 13:44	8/3/2022 13:50	0.10	2 (S-5)	Detonation
8/3/2022 19:40	8/4/2022 9:02	13.37	6 (S-10)	Detonation and service
8/4/2022 21:54	8/4/2022 21:58	0.07	2 (S-5)	Tuning
8/5/2022 8:12	8/5/2022 8:54	0.70	7 (S-11)	Detonation
8/9/2022 11:48	8/9/2022 12:26	0.63	1 (S-4)	Tuning
8/9/2022 11:48	8/9/2022 12:24	0.60	2 (S-5)	Detonation
8/9/2022 11:48	8/9/2022 12:24	0.60	3 (S-6)	Tuning
8/9/2022 11:48	8/9/2022 12:40	0.87	6 (S-10)	Tuning
8/9/2022 11:48	8/9/2022 12:38	0.83	7 (S-11)	Service
8/9/2022 18:00	8/9/2022 18:04	0.07	2 (S-5)	Tuning
8/10/2022 17:48	8/10/2022 17:52	0.07	2 (S-5)	Detonation
8/11/2022 0:18	8/11/2022 0:22	0.07	2 (S-5)	Tuning
8/12/2022 13:48	8/12/2022 15:02	1.23	3 (S-6)	Tuning
8/15/2022 2:54	8/15/2022 2:58	0.07	2 (S-5)	Detonation
8/16/2022 15:26	8/16/2022 15:30	0.07	2 (S-5)	Tuning
8/16/2022 16:26	8/16/2022 16:30	0.07	2 (S-5)	Detonation
8/16/2022 16:40	8/16/2022 16:44	0.07	2 (S-5)	Tuning
8/16/2022 17:00	8/16/2022 17:04	0.07	2 (S-5)	Detonation
8/17/2022 2:40	8/17/2022 2:44	0.07	2 (S-5)	Tuning
8/17/2022 9:30	8/17/2022 9:36	0.10	1 (S-4)	Detonation
8/19/2022 18:30	8/22/2022 7:50	61.33	2 (S-5)	Detonation
8/25/2022 9:24	8/25/2022 9:28	0.07	2 (S-5)	Tuning
8/25/2022 9:56	8/25/2022 10:00	0.07	7 (S-11)	Detonation
8/25/2022 10:04	8/25/2022 10:08	0.07	6 (S-10)	Detonation
8/25/2022 10:44	8/25/2022 10:48	0.07	1 (S-4)	Tuning
8/26/2022 10:32	8/26/2022 10:44	0.20	1 (S-4)	Detonation
8/31/2022 7:46	8/31/2022 11:24	3.63	2 (S-5)	Cooling issue
8/31/2022 7:56	8/31/2022 11:26	3.50	1 (S-4)	Outage and Service
8/31/2022 7:56	8/31/2022 11:28	3.53	3 (S-6)	Outage and Service
8/31/2022 7:56	8/31/2022 11:48	3.87	6 (S-10)	Outage
8/31/2022 7:56	8/31/2022 13:20	5.40	7 (S-11)	Outage

Appendix C. LFGTE Facility Downtime - REVISED 05-18-23
Sonoma County Central Landfill, Petaluma, California
(August 1, 2022 through January 31, 2023)

Shutdown Date/Time	Startup Date/Time	Duration (Hours)	Engine(s)	Reason for Downtime
8/31/2022 13:10	8/31/2022 13:26	0.27	2 (S-5)	Outage and Service
9/1/2022 7:50	9/1/2022 12:42	4.87	6 (S-10)	Detonation due to drifting fuel quality
9/1/2022 7:50	9/1/2022 12:48	4.97	7 (S-11)	Detonation due to drifting fuel quality
9/1/2022 7:54	9/1/2022 12:02	4.13	1 (S-4)	Detonation due to drifting fuel quality
9/1/2022 7:54	9/1/2022 12:08	4.23	2 (S-5)	Detonation due to drifting fuel quality
9/1/2022 7:54	9/1/2022 12:04	4.17	3 (S-6)	Detonation and tuning
9/1/2022 14:16	9/1/2022 14:20	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/1/2022 15:52	9/1/2022 15:56	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/2/2022 10:42	9/2/2022 10:58	0.27	2 (S-5)	Detonation due to drifting fuel quality
9/4/2022 22:50	9/6/2022 8:56	34.10	2 (S-5)	Detonation and tuning
9/5/2022 13:00	9/5/2022 16:22	3.37	6 (S-10)	Detonation due to drifting fuel quality
9/6/2022 12:32	9/9/2022 8:54	68.37	2 (S-5)	Detonation and water pump leak
9/6/2022 12:36	9/6/2022 14:10	1.57	6 (S-10)	Detonation due to drifting fuel quality
9/8/2022 6:50	9/8/2022 12:58	6.13	1 (S-4)	Detonation due to drifting fuel quality
9/8/2022 6:50	9/8/2022 12:58	6.13	3 (S-6)	Detonation due to drifting fuel quality
9/8/2022 6:52	9/8/2022 13:06	6.23	6 (S-10)	Detonation due to drifting fuel quality
9/8/2022 6:52	9/8/2022 13:10	6.30	7 (S-11)	Detonation due to drifting fuel quality
9/9/2022 0:04	9/9/2022 12:34	12.50	6 (S-10)	Detonation and tuning
9/9/2022 8:26	9/9/2022 8:52	0.43	1 (S-4)	Detonation due to drifting fuel quality
9/9/2022 9:36	9/9/2022 12:36	3.00	7 (S-11)	Detonation due to drifting fuel quality
9/12/2022 7:22	9/12/2022 13:10	5.80	6 (S-10)	Detonation due to drifting fuel quality
9/12/2022 7:22	9/12/2022 12:50	5.47	7 (S-11)	Detonation due to drifting fuel quality
9/12/2022 7:24	9/12/2022 12:38	5.23	1 (S-4)	Detonation and tuning
9/12/2022 7:24	9/12/2022 12:38	5.23	2 (S-5)	Detonation due to drifting fuel quality
9/12/2022 7:24	9/12/2022 12:38	5.23	3 (S-6)	Detonation due to drifting fuel quality
9/12/2022 20:42	9/13/2022 8:48	12.10	2 (S-5)	Detonation due to drifting fuel quality
9/12/2022 22:22	9/13/2022 9:20	10.97	6 (S-10)	Detonation due to drifting fuel quality
9/13/2022 6:06	9/13/2022 9:00	2.90	7 (S-11)	O2 spike
9/13/2022 6:16	9/13/2022 8:48	2.53	1 (S-4)	Detonation and tuning
9/13/2022 6:16	9/13/2022 12:44	6.47	3 (S-6)	O2 spike
9/13/2022 9:36	9/13/2022 12:40	3.07	2 (S-5)	O2 spike
9/13/2022 9:38	9/13/2022 12:40	3.03	1 (S-4)	O2 spike
9/13/2022 9:42	9/13/2022 12:34	2.87	6 (S-10)	O2 spike
9/13/2022 9:42	9/13/2022 12:36	2.90	7 (S-11)	O2 spike
9/13/2022 12:50	9/13/2022 12:56	0.10	6 (S-10)	O2 spike
9/13/2022 13:06	9/13/2022 13:14	0.13	7 (S-11)	O2 spike
9/13/2022 13:08	9/13/2022 13:16	0.13	6 (S-10)	O2 spike
9/13/2022 13:36	9/14/2022 9:54	20.30	6 (S-10)	O2 spike
9/13/2022 13:36	9/14/2022 9:54	20.30	7 (S-11)	Detonation due to drifting fuel quality
9/14/2022 10:20	9/14/2022 10:30	0.17	6 (S-10)	Detonation due to drifting fuel quality
9/14/2022 10:48	9/14/2022 12:02	1.23	6 (S-10)	Detonation due to drifting fuel quality
9/14/2022 12:20	9/14/2022 14:34	2.23	6 (S-10)	Detonation due to drifting fuel quality
9/14/2022 12:40	9/14/2022 14:38	1.97	7 (S-11)	Detonation due to drifting fuel quality

Appendix C. LFGTE Facility Downtime - REVISED 05-18-23
Sonoma County Central Landfill, Petaluma, California
(August 1, 2022 through January 31, 2023)

Shutdown Date/Time	Startup Date/Time	Duration (Hours)	Engine(s)	Reason for Downtime
9/14/2022 14:56	9/22/2022 8:48	185.87	6 (S-10)	Well field issues and service
9/14/2022 14:58	9/22/2022 8:50	185.87	7 (S-11)	Well field issues no gas
9/15/2022 11:08	9/15/2022 11:22	0.23	1 (S-4)	O2 spike
9/15/2022 11:10	9/15/2022 11:14	0.07	2 (S-5)	O2 spike
9/16/2022 4:30	9/16/2022 4:34	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/16/2022 19:22	9/16/2022 19:26	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/17/2022 0:50	9/17/2022 0:56	0.10	2 (S-5)	Detonation due to drifting fuel quality
9/17/2022 1:06	9/17/2022 1:14	0.13	2 (S-5)	Detonation due to drifting fuel quality
9/17/2022 2:16	9/17/2022 2:20	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/17/2022 5:38	9/17/2022 5:42	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/21/2022 8:00	9/21/2022 8:04	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/21/2022 12:26	9/21/2022 12:52	0.43	1 (S-4)	Detonation due to drifting fuel quality
9/22/2022 9:06	9/22/2022 9:14	0.13	6 (S-10)	Detonation due to drifting fuel quality
9/22/2022 9:44	9/22/2022 10:08	0.40	6 (S-10)	Detonation due to drifting fuel quality
9/22/2022 10:28	9/22/2022 10:50	0.37	6 (S-10)	Detonation due to drifting fuel quality
9/24/2022 14:10	9/24/2022 14:14	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/24/2022 18:30	9/27/2022 12:04	65.57	2 (S-5)	Detonation and relay issues
9/27/2022 8:02	9/27/2022 12:02	4.00	2 (S-5)	Detonation due to drifting fuel quality
9/27/2022 8:02	9/27/2022 12:22	4.33	7 (S-11)	Detonation due to drifting fuel quality
9/27/2022 8:14	9/27/2022 12:02	3.80	3 (S-6)	Detonation due to drifting fuel quality
9/27/2022 8:14	9/27/2022 12:16	4.03	6 (S-10)	Detonation due to drifting fuel quality
9/27/2022 12:26	9/27/2022 13:16	0.83	2 (S-5)	Detonation due to drifting fuel quality
9/28/2022 8:44	9/28/2022 8:52	0.13	7 (S-11)	Detonation due to drifting fuel quality
9/29/2022 13:18	9/29/2022 13:22	0.07	2 (S-5)	Detonation due to drifting fuel quality
9/30/2022 8:42	9/30/2022 10:04	1.37	6 (S-10)	Detonation due to drifting fuel quality
9/30/2022 8:44	9/30/2022 9:52	1.13	7 (S-11)	Detonation due to drifting fuel quality
9/30/2022 8:46	9/30/2022 9:34	0.80	1 (S-4)	Detonation due to drifting fuel quality
9/30/2022 8:46	9/30/2022 9:38	0.87	2 (S-5)	Detonation due to drifting fuel quality
9/30/2022 8:46	9/30/2022 9:34	0.80	3 (S-6)	Detonation due to drifting fuel quality
9/30/2022 16:14	9/30/2022 16:18	0.07	2 (S-5)	Detonation due to drifting fuel quality
10/1/2022 16:22	10/3/2022 8:14	39.87	2 (S-5)	Detonation and Tuning
10/3/2022 10:28	10/3/2022 10:32	0.07	2 (S-5)	Detonation
10/3/2022 12:08	10/3/2022 12:10	0.03	6 (S-10)	Detonation
10/3/2022 12:08	10/3/2022 12:12	0.07	7 (S-11)	Detonation
10/3/2022 13:18	10/3/2022 13:28	0.17	1 (S-4)	Detonation
10/4/2022 10:20	10/4/2022 13:08	2.80	1 (S-4)	Detonation and Tuning
10/4/2022 11:16	10/4/2022 11:20	0.07	6 (S-10)	Detonation
10/4/2022 11:24	10/4/2022 13:12	1.80	6 (S-10)	Detonation and Tuning
10/6/2022 4:38	10/7/2022 12:46	32.13	6 (S-10)	Detonation and Tuning
10/6/2022 6:18	10/7/2022 12:52	30.57	7 (S-11)	Detonation and service
10/6/2022 10:54	10/7/2022 12:26	25.53	1 (S-4)	Detonation and Tuning
10/6/2022 10:56	10/7/2022 12:26	25.50	2 (S-5)	Detonation and Tuning
10/6/2022 10:56	10/10/2022 13:16	98.33	3 (S-6)	Water pump leak and Service

Appendix C. LFGTE Facility Downtime - REVISED 05-18-23
Sonoma County Central Landfill, Petaluma, California
(August 1, 2022 through January 31, 2023)

Shutdown Date/Time	Startup Date/Time	Duration (Hours)	Engine(s)	Reason for Downtime
10/7/2022 17:48	10/7/2022 17:52	0.07	2 (S-5)	Detonation
10/7/2022 20:40	10/7/2022 20:44	0.07	2 (S-5)	Detonation
10/8/2022 1:20	10/8/2022 1:24	0.07	2 (S-5)	Detonation
10/10/2022 9:04	10/10/2022 9:06	0.03	6 (S-10)	Detonation
10/10/2022 9:04	10/10/2022 9:06	0.03	7 (S-11)	Detonation
10/11/2022 13:56	10/11/2022 14:12	0.27	2 (S-5)	Detonation
10/11/2022 16:04	10/12/2022 11:36	19.53	2 (S-5)	Detonation and Tuning
10/12/2022 12:32	10/17/2022 9:40	117.13	8 (S-12)	Control issues
10/12/2022 12:42	10/12/2022 12:48	0.10	1 (S-4)	Detonation
10/12/2022 13:52	10/12/2022 14:10	0.30	2 (S-5)	Detonation
10/12/2022 15:28	10/12/2022 15:30	0.03	2 (S-5)	Detonation
10/12/2022 16:48	10/12/2022 16:52	0.07	2 (S-5)	Detonation
10/14/2022 17:58	10/16/2022 8:20	38.37	2 (S-5)	Detonation and Tuning
10/16/2022 4:54	10/16/2022 8:10	3.27	1 (S-4)	Detonation and Service
10/16/2022 9:34	10/16/2022 9:40	0.10	2 (S-5)	Detonation
10/16/2022 9:58	10/16/2022 10:04	0.10	2 (S-5)	Detonation
10/16/2022 10:56	10/16/2022 10:58	0.03	2 (S-5)	Detonation
10/17/2022 14:30	10/17/2022 14:34	0.07	6 (S-10)	Detonation
10/17/2022 15:00	10/18/2022 8:28	17.47	8 (S-12)	Detonation and Tuning
10/17/2022 21:48	10/18/2022 6:08	8.33	6 (S-10)	Detonation and Tuning
10/18/2022 13:10	10/18/2022 13:16	0.10	1 (S-4)	Detonation
10/18/2022 15:38	10/18/2022 15:40	0.03	2 (S-5)	Detonation
10/19/2022 3:10	10/19/2022 3:14	0.07	2 (S-5)	Detonation
10/19/2022 9:10	10/19/2022 9:58	0.80	6 (S-10)	Detonation
10/19/2022 13:14	10/19/2022 13:16	0.03	2 (S-5)	Detonation
10/19/2022 13:34	10/19/2022 13:44	0.17	7 (S-11)	Detonation
10/19/2022 14:14	10/19/2022 14:20	0.10	2 (S-5)	Detonation
10/19/2022 14:54	10/19/2022 14:58	0.07	2 (S-5)	Detonation
10/20/2022 10:00	10/20/2022 10:22	0.37	2 (S-5)	Detonation
10/21/2022 8:48	10/21/2022 9:18	0.50	2 (S-5)	Detonation
10/21/2022 9:40	10/21/2022 9:46	0.10	2 (S-5)	Detonation
10/21/2022 10:38	10/21/2022 10:44	0.10	2 (S-5)	Detonation
10/21/2022 12:00	10/21/2022 12:04	0.07	2 (S-5)	Detonation
10/21/2022 13:24	10/21/2022 13:28	0.07	2 (S-5)	Detonation
10/21/2022 15:32	10/24/2022 9:30	65.97	2 (S-5)	Detonation and Tuning
10/24/2022 11:22	10/24/2022 11:26	0.07	2 (S-5)	Detonation
10/24/2022 11:24	10/24/2022 11:32	0.13	1 (S-4)	Detonation
10/24/2022 11:28	10/24/2022 11:32	0.07	2 (S-5)	Detonation
10/24/2022 22:02	10/24/2022 22:04	0.03	2 (S-5)	Detonation
10/27/2022 9:46	10/27/2022 14:06	4.33	6 (S-10)	Detonation
10/28/2022 8:22	10/28/2022 10:10	1.80	2 (S-5)	Detonation and Tuning
10/28/2022 13:04	10/28/2022 13:34	0.50	2 (S-5)	Detonation
10/29/2022 3:18	11/7/2022 9:02	221.73	2 (S-5)	Detonation, Tuning and Service

Appendix C. LFGTE Facility Downtime - REVISED 05-18-23
Sonoma County Central Landfill, Petaluma, California
(August 1, 2022 through January 31, 2023)

Shutdown Date/Time	Startup Date/Time	Duration (Hours)	Engine(s)	Reason for Downtime
11/7/2022 7:34	12/30/2022 13:10	1277.60	1 (S-4)	Cracked exhaust manifold and Service
11/7/2022 9:22	11/7/2022 9:30	0.13	2 (S-5)	Detonation
11/7/2022 9:22	11/7/2022 9:30	0.13	3 (S-6)	Detonation
11/9/2022 6:00	11/9/2022 6:06	0.10	7 (S-11)	Detonation
11/9/2022 6:10	11/9/2022 6:26	0.27	7 (S-11)	Detonation
11/9/2022 6:34	11/9/2022 6:42	0.13	7 (S-11)	Detonation
11/9/2022 6:46	11/9/2022 7:02	0.27	7 (S-11)	Detonation
11/9/2022 6:54	11/9/2022 7:02	0.13	8 (S-12)	Detonation
11/14/2022 14:26	2/1/2023 0:00	1881.57	7 (S-11)	Noise, Troubleshooting and repair, out of service pending overhaul*
11/22/2022 7:02	11/22/2022 8:52	1.83	6 (S-10)	Service
11/22/2022 7:02	11/22/2022 8:48	1.77	8 (S-12)	Detonation
11/29/2022 7:48	11/29/2022 11:48	4.00	6 (S-10)	Shutdown for wellfield
11/29/2022 7:48	11/29/2022 11:52	4.07	8 (S-12)	Shutdown for wellfield and Service
11/29/2022 7:50	11/29/2022 11:58	4.13	2 (S-5)	Shutdown for wellfield
11/29/2022 7:50	11/29/2022 12:04	4.23	3 (S-6)	Shutdown for wellfield and Service
12/2/2022 7:44	12/2/2022 14:40	6.93	2 (S-5)	Wellfield trouble
12/2/2022 7:44	12/2/2022 14:42	6.97	3 (S-6)	Outage
12/2/2022 7:44	12/2/2022 14:34	6.83	6 (S-10)	Outage
12/2/2022 7:56	12/2/2022 14:34	6.63	8 (S-12)	Outage
12/6/2022 13:32	12/6/2022 15:40	2.13	6 (S-10)	Wellfield trouble
12/6/2022 13:32	12/6/2022 15:38	2.10	8 (S-12)	Wellfield trouble
12/6/2022 13:34	12/6/2022 15:42	2.13	2 (S-5)	Detonation and tuning
12/6/2022 13:34	12/6/2022 15:46	2.20	3 (S-6)	Wellfield trouble
12/6/2022 16:02	12/6/2022 16:08	0.10	3 (S-6)	Detonation
12/22/2022 3:50	12/22/2022 8:34	4.73	2 (S-5)	Detonation and service
12/28/2022 8:50	12/28/2022 9:40	0.83	3 (S-6)	Detonation
12/31/2022 2:22	1/2/2023 8:12	53.83	2 (S-5)	Troubleshooting
12/31/2022 16:12	1/4/2023 10:46	90.57	3 (S-6)	Service and tuning
12/31/2022 17:44	1/2/2023 8:12	38.47	1 (S-4)	Cracked exhaust manifold replacement
1/3/2023 23:54	1/4/2023 7:52	7.97	2 (S-5)	Troubleshooting
1/17/2023 11:42	1/18/2023 9:46	22.07	8 (S-12)	Service and tuning
1/17/2023 11:44	1/18/2023 9:48	22.07	6 (S-10)	Service and tuning
1/17/2023 12:18	2/1/2023 0:00	347.70	3 (S-6)	Ignition issues*
1/31/2023 11:56	1/31/2023 13:24	1.47	6 (S-10)	Tuning
1/31/2023 11:56	1/31/2023 13:26	1.50	8 (S-12)	Tuning
1/31/2023 12:00	1/31/2023 13:52	1.87	1 (S-4)	Tuning
1/31/2023 12:00	1/31/2023 14:06	2.10	2 (S-5)	Troubleshooting
TOTAL DOWNTIME¹		59.13		

¹Downtime is calculated when all engines (1, 2, 3, 4, 5, 6, 7, 8, 9, and 10) are offline concurrently.

*The engine was offline at the end and/or beginning of the reporting period, therefore downtime is calculated as of August 1, 2022 at 0:00 and February 1, 2023 at 0:00, respectively.