



Shell Chemical Appalachia LLC
300 Frankfort Rd
Monaca, PA 15061

April 10, 2025

Mark Gorog P.E., Regional Manager Air Quality Program
Pennsylvania Department of Environmental Protection (PADEP)
Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222

**RE: PA-04-00740C Source IDs 101 and 102 Combustion Turbine/Duct Burner Units #1 and #2
Excess NOx Emissions Malfunction Report**

Dear Mr. Gorog,

Shell Chemical Appalachia LLC ("Shell"), located in Beaver County PA, is submitting this malfunction report to the Pennsylvania Department of Environmental Protection (PADEP) for excess NOx emissions from Cogen Units #1 and #2¹ on March 17, 2025.

This malfunction did not pose an imminent and substantial danger to public health and safety or the environment.

- **Name and location of the facility**
Shell Polymers Monaca
300 Frankfort Road, Monaca PA, 15061
- **Nature and cause of the incident**
On March 17, 2025, at 23:00, Cogen Units #1 and #2 stacks' previous hour NOx concentrations exceeded the permit limit of 2 ppmvd (1 hour average at 15% O2). The cause of the exceedance was a temporary shutdown of the SCR system (Source IDs C101 and C102) due to loss of ammonia flow.
- **Time when the malfunction or breakdown was first observed**
The SCR system malfunction started at 22:57 on March 17, 2025.
- **The date and time that the malfunction started and ended**
The SCR system malfunction started at 22:57 on March 17, 2025, and ended approximately 8 minutes later at 23:05. In total, this yielded one NOx hourly average exceedance per Cogen Unit #1 and Unit #2 for the 23:00 hour.
- **An estimate of the emissions associated with the malfunction**
4.65 lb of excess NOx emissions over duration of the event
- **The calculations that were used to determine that quantity**
The calculations are based on Cogen Unit #1 and #2 stacks' CEMS analyzer readings over the period of the malfunction window.

Minute data was extracted from the CEMS program for the following parameters: NOx ppmvd

¹ Identified as Combustion Turbine/Duct Burner (Source IDs 101 and 102) in PA-04-00740C

@15% O₂ and NO_x lb/hr. A representative baseline NO_x lb/hr value was calculated by averaging the steady state, compliant data leading up to the event. This baseline value was then subtracted from the NO_x lb/hr data for each minute the NO_x concentration exceeded 2 ppmvd @15% O₂ during the malfunction. The minute excess lb/hr data was then converted to lb data and summed together to calculate the total excess NO_x emissions.

See Attachment A for CEMS output and calculation details.

- **The steps, if any, that the facility took to limit the duration and/or quantity of emissions associated with the malfunction**

Quick operator action was taken to determine the cause of the malfunction, re-establish ammonia flow, and restore normal operations.

- **A detailed analysis that sets forth the Root Cause of the malfunction, to the extent determinable**

On March 17, 2025, at approximately 22:57, the running SCR ammonia pump, which supplies ammonia to all 3 Cogen Units, shut down. This caused the units' stack NO_x levels to increase due to no ammonia being injected. Operations responded quickly to get the SCR skid back in service and then start the standby ammonia pump, but the brief period of no ammonia injection resulted in a previous 1-hr average NO_x exceedance for the 23:00 hour for Units #1 and #2 (22:00 hour in CEMS program as it does not adjust for Daylight Savings). Note that there was no exceedance for Unit #3.

In the days following the event, the specific cause of the ammonia pump shut down was investigated further. It is known that the pump did not trip, but rather received an invalid remote shut down signal. Some potential causes have been ruled out, but, at this time, the root cause is still under investigation. The lead theory is that the shut down signal was due to a loose electrical connection, and there is a path forward to confirm this that will be executed in coming weeks.

- **An analysis of the measures, if any, that are available to reduce the likelihood of a recurrence of a malfunction resulting from the same Root Cause or contributing causes in the future**

During the investigation, it was identified that automatic start capabilities of the *standby* ammonia pump could have prevented the NO_x exceedances associated with this event.

The specific cause of the ammonia pump shut down is still under investigation. Note that, at the time of this report, the pump that shut down is out of service.

- **To the extent that investigations of the causes and/or possible corrective action(s) still are underway on the due date of the report, a statement of the anticipated date by which a follow-up report will be submitted**

A follow up report will be submitted to the Department on or before June 3, 2025, to provide a status update on any TBD items noted in Table 1 below.

- **Corrective action is final or timeline for implementation**

Table 1: Root Causes and Corrective Actions

Event	Root Cause	Corrective Actions	Timing
Ammonia pump shut down	TBD	TBD	TBD
No ammonia flow for 8 minutes	No auto-start capabilities of standby pump	Management of Change to add auto-start functionality	3Q 2025*

**barring no unforeseen circumstances encountered during Management of Change process*

If you have any questions regarding this matter, please don't hesitate to contact Kimberly Kaal at kimberly.kaal@shell.com or myself at james.howell@shell.com.

Sincerely,



James R. Howell
Production Manager

CC:
Scott Beaudway, Air Quality Specialist
Valerie Shaffer, Air Quality District Supervisor

Attachment A

Cogen 2 CEMS Output Data and Excess Emissions Calculations

Trace Date and Time	Daylight Savings Corrected/Actual Date and Time	Cogen 1 CEMS Data, minute average		Manual Calculations	
		NOx @15% O2, ppmvd	NOx, lb/hr	NOx above baseline, lb/hr (baseline=3.9 lb/hr)	Excess NOx Emissions, lbs
3/17/2025 21:00	3/17/2025 22:00	1.68	3.9	-	-
3/17/2025 21:01	3/17/2025 22:01	1.68	3.8	-	-
3/17/2025 21:02	3/17/2025 22:02	1.7	3.9	-	-
3/17/2025 21:03	3/17/2025 22:03	1.68	3.9	-	-
3/17/2025 21:04	3/17/2025 22:04	1.71	3.9	-	-
3/17/2025 21:05	3/17/2025 22:05	1.63	3.9	-	-
3/17/2025 21:06	3/17/2025 22:06	1.69	3.9	-	-
3/17/2025 21:07	3/17/2025 22:07	1.71	3.9	-	-
3/17/2025 21:08	3/17/2025 22:08	1.67	3.8	-	-
3/17/2025 21:09	3/17/2025 22:09	1.68	3.9	-	-
3/17/2025 21:10	3/17/2025 22:10	1.7	3.8	-	-
3/17/2025 21:11	3/17/2025 22:11	1.72	3.9	-	-
3/17/2025 21:12	3/17/2025 22:12	1.68	3.9	-	-
3/17/2025 21:13	3/17/2025 22:13	1.73	3.9	-	-
3/17/2025 21:14	3/17/2025 22:14	1.69	3.9	-	-
3/17/2025 21:15	3/17/2025 22:15	1.67	3.9	-	-
3/17/2025 21:16	3/17/2025 22:16	1.67	3.9	-	-
3/17/2025 21:17	3/17/2025 22:17	1.7	3.9	-	-
3/17/2025 21:18	3/17/2025 22:18	1.71	3.9	-	-
3/17/2025 21:19	3/17/2025 22:19	1.68	3.9	-	-
3/17/2025 21:20	3/17/2025 22:20	1.66	3.9	-	-
3/17/2025 21:21	3/17/2025 22:21	1.64	3.9	-	-
3/17/2025 21:22	3/17/2025 22:22	1.71	3.9	-	-
3/17/2025 21:23	3/17/2025 22:23	1.7	3.9	-	-
3/17/2025 21:24	3/17/2025 22:24	1.71	3.9	-	-
3/17/2025 21:25	3/17/2025 22:25	1.7	3.9	-	-
3/17/2025 21:26	3/17/2025 22:26	1.67	3.9	-	-
3/17/2025 21:27	3/17/2025 22:27	1.67	3.9	-	-
3/17/2025 21:28	3/17/2025 22:28	1.74	3.9	-	-
3/17/2025 21:29	3/17/2025 22:29	1.72	3.9	-	-
3/17/2025 21:30	3/17/2025 22:30	1.71	3.9	-	-
3/17/2025 21:31	3/17/2025 22:31	1.7	3.9	-	-
3/17/2025 21:32	3/17/2025 22:32	1.72	3.9	-	-
3/17/2025 21:33	3/17/2025 22:33	1.75	3.9	-	-
3/17/2025 21:34	3/17/2025 22:34	1.69	3.9	-	-
3/17/2025 21:35	3/17/2025 22:35	1.73	3.9	-	-
3/17/2025 21:36	3/17/2025 22:36	1.7	3.9	-	-
3/17/2025 21:37	3/17/2025 22:37	1.7	3.9	-	-
3/17/2025 21:38	3/17/2025 22:38	1.7	3.9	-	-
3/17/2025 21:39	3/17/2025 22:39	1.73	3.9	-	-
3/17/2025 21:40	3/17/2025 22:40	1.71	3.9	-	-
3/17/2025 21:41	3/17/2025 22:41	1.77	4.5	-	-
3/17/2025 21:42	3/17/2025 22:42	1.7	3.9	-	-
3/17/2025 21:43	3/17/2025 22:43	1.72	3.9	-	-
3/17/2025 21:44	3/17/2025 22:44	1.73	3.9	-	-
3/17/2025 21:45	3/17/2025 22:45	1.77	4.6	-	-
3/17/2025 21:46	3/17/2025 22:46	1.71	3.9	-	-
3/17/2025 21:47	3/17/2025 22:47	1.71	3.9	-	-
3/17/2025 21:48	3/17/2025 22:48	1.7	3.9	-	-
3/17/2025 21:49	3/17/2025 22:49	1.74	3.9	-	-
3/17/2025 21:50	3/17/2025 22:50	1.72	3.9	-	-
3/17/2025 21:51	3/17/2025 22:51	1.71	3.9	-	-

3/17/2025 21:52	3/17/2025 22:52	1.72	3.9	-	-
3/17/2025 21:53	3/17/2025 22:53	1.65	3.9	-	-
3/17/2025 21:54	3/17/2025 22:54	1.74	3.9	-	-
3/17/2025 21:55	3/17/2025 22:55	1.7	3.9	-	-
3/17/2025 21:56	3/17/2025 22:56	1.71	3.9	-	-
3/17/2025 21:57	3/17/2025 22:57	1.73	3.9	-	-
3/17/2025 21:58	3/17/2025 22:58	3.55	8.5	4.58	0.08
3/17/2025 21:59	3/17/2025 22:59	7.47	18.3	14.38	0.24
3/17/2025 22:00	3/17/2025 23:00	8.42	20.2	16.28	0.27
3/17/2025 22:01	3/17/2025 23:01	8.63	20.9	16.98	0.28
3/17/2025 22:02	3/17/2025 23:02	6.75	16.3	12.38	0.21
3/17/2025 22:03	3/17/2025 23:03	8.52	20.2	16.28	0.27
3/17/2025 22:04	3/17/2025 23:04	8.74	20.8	16.88	0.28
3/17/2025 22:05	3/17/2025 23:05	7.42	17.6	13.68	0.23
3/17/2025 22:06	3/17/2025 23:06	4.91	11.7	7.78	0.13
3/17/2025 22:07	3/17/2025 23:07	5.4	13	9.08	0.15
3/17/2025 22:08	3/17/2025 23:08	4.08	9.8	5.88	0.10
3/17/2025 22:09	3/17/2025 23:09	2.41	5.9	1.98	0.03
3/17/2025 22:10	3/17/2025 23:10	1.95	4.6	-	-
3/17/2025 22:11	3/17/2025 23:11	1.86	4.5	-	-
3/17/2025 22:12	3/17/2025 23:12	2.01	4.6	0.68	0.01
3/17/2025 22:13	3/17/2025 23:13	1.96	4.5	-	-
3/17/2025 22:14	3/17/2025 23:14	1.91	4.6	-	-
3/17/2025 22:15	3/17/2025 23:15	1.86	4.6	-	-
3/17/2025 22:16	3/17/2025 23:16	1.9	4.5	-	-
3/17/2025 22:17	3/17/2025 23:17	1.91	4.6	-	-
3/17/2025 22:18	3/17/2025 23:18	1.82	4.5	-	-
3/17/2025 22:19	3/17/2025 23:19	1.89	4.6	-	-
3/17/2025 22:20	3/17/2025 23:20	1.83	4.5	-	-
3/17/2025 22:21	3/17/2025 23:21	1.86	4.5	-	-
3/17/2025 22:22	3/17/2025 23:22	1.85	4.5	-	-
3/17/2025 22:23	3/17/2025 23:23	1.85	4.5	-	-
3/17/2025 22:24	3/17/2025 23:24	1.8	4.5	-	-
3/17/2025 22:25	3/17/2025 23:25	1.82	4.5	-	-
3/17/2025 22:26	3/17/2025 23:26	1.86	4.5	-	-
3/17/2025 22:27	3/17/2025 23:27	1.78	4.5	-	-
3/17/2025 22:28	3/17/2025 23:28	1.83	4.5	-	-
3/17/2025 22:29	3/17/2025 23:29	1.84	4.5	-	-
3/17/2025 22:30	3/17/2025 23:30	1.77	4.5	-	-
3/17/2025 22:31	3/17/2025 23:31	1.79	4.5	-	-
3/17/2025 22:32	3/17/2025 23:32	1.77	4.5	-	-
3/17/2025 22:33	3/17/2025 23:33	1.82	4.5	-	-
3/17/2025 22:34	3/17/2025 23:34	1.79	4.5	-	-
3/17/2025 22:35	3/17/2025 23:35	1.79	4.6	-	-
3/17/2025 22:36	3/17/2025 23:36	1.75	3.9	-	-
3/17/2025 22:37	3/17/2025 23:37	1.83	4.6	-	-
3/17/2025 22:38	3/17/2025 23:38	1.82	4.6	-	-
3/17/2025 22:39	3/17/2025 23:39	1.78	4.6	-	-
3/17/2025 22:40	3/17/2025 23:40	1.76	3.9	-	-
3/17/2025 22:41	3/17/2025 23:41	1.79	4.6	-	-
3/17/2025 22:42	3/17/2025 23:42	1.75	3.9	-	-
3/17/2025 22:43	3/17/2025 23:43	1.79	4.6	-	-
3/17/2025 22:44	3/17/2025 23:44	1.75	3.9	-	-
3/17/2025 22:45	3/17/2025 23:45	1.77	4.6	-	-
3/17/2025 22:46	3/17/2025 23:46	1.74	3.9	-	-
3/17/2025 22:47	3/17/2025 23:47	1.73	3.9	-	-

3/17/2025 22:48	3/17/2025 23:48	1.74	3.9	-	-
3/17/2025 22:49	3/17/2025 23:49	1.73	3.9	-	-
3/17/2025 22:50	3/17/2025 23:50	1.76	3.9	-	-
3/17/2025 22:51	3/17/2025 23:51	1.7	3.9	-	-
3/17/2025 22:52	3/17/2025 23:52	1.78	4.6	-	-
3/17/2025 22:53	3/17/2025 23:53	1.73	3.9	-	-
3/17/2025 22:54	3/17/2025 23:54	1.74	3.9	-	-
3/17/2025 22:55	3/17/2025 23:55	1.73	3.9	-	-
3/17/2025 22:56	3/17/2025 23:56	1.77	4.6	-	-
3/17/2025 22:57	3/17/2025 23:57	1.75	3.9	-	-
3/17/2025 22:58	3/17/2025 23:58	1.75	3.9	-	-
3/17/2025 22:59	3/17/2025 23:59	1.76	3.9	-	-
				SUM	2.28

Trace Date and Time	Daylight Savings Corrected/Actual Date and Time	Cogen 2 CEMS Data, minute average		Manual Calculations	
		NOx @15% O2, ppmvd	NOx, lb/hr	NOx above baseline, lb/hr (baseline=4.0 lb/hr)	Excess NOx Emissions, lbs
3/17/2025 21:00	3/17/2025 22:00	1.68	4	-	-
3/17/2025 21:01	3/17/2025 22:01	1.69	4	-	-
3/17/2025 21:02	3/17/2025 22:02	1.69	4	-	-
3/17/2025 21:03	3/17/2025 22:03	1.69	4	-	-
3/17/2025 21:04	3/17/2025 22:04	1.7	4	-	-
3/17/2025 21:05	3/17/2025 22:05	1.69	4	-	-
3/17/2025 21:06	3/17/2025 22:06	1.69	4	-	-
3/17/2025 21:07	3/17/2025 22:07	1.71	4	-	-
3/17/2025 21:08	3/17/2025 22:08	1.69	4	-	-
3/17/2025 21:09	3/17/2025 22:09	1.68	4	-	-
3/17/2025 21:10	3/17/2025 22:10	1.69	4	-	-
3/17/2025 21:11	3/17/2025 22:11	1.7	4	-	-
3/17/2025 21:12	3/17/2025 22:12	1.71	4	-	-
3/17/2025 21:13	3/17/2025 22:13	1.7	4	-	-
3/17/2025 21:14	3/17/2025 22:14	1.68	4	-	-
3/17/2025 21:15	3/17/2025 22:15	1.69	4	-	-
3/17/2025 21:16	3/17/2025 22:16	1.67	4	-	-
3/17/2025 21:17	3/17/2025 22:17	1.7	4	-	-
3/17/2025 21:18	3/17/2025 22:18	1.7	4	-	-
3/17/2025 21:19	3/17/2025 22:19	1.7	4	-	-
3/17/2025 21:20	3/17/2025 22:20	1.71	4	-	-
3/17/2025 21:21	3/17/2025 22:21	1.7	4	-	-
3/17/2025 21:22	3/17/2025 22:22	1.7	4	-	-
3/17/2025 21:23	3/17/2025 22:23	1.69	4	-	-
3/17/2025 21:24	3/17/2025 22:24	1.71	4	-	-
3/17/2025 21:25	3/17/2025 22:25	1.71	4	-	-
3/17/2025 21:26	3/17/2025 22:26	1.72	4	-	-
3/17/2025 21:27	3/17/2025 22:27	1.71	4	-	-
3/17/2025 21:28	3/17/2025 22:28	1.71	4	-	-
3/17/2025 21:29	3/17/2025 22:29	1.7	4.1	-	-
3/17/2025 21:30	3/17/2025 22:30	1.71	4	-	-
3/17/2025 21:31	3/17/2025 22:31	1.71	4.1	-	-
3/17/2025 21:32	3/17/2025 22:32	1.72	4	-	-
3/17/2025 21:33	3/17/2025 22:33	1.71	4	-	-
3/17/2025 21:34	3/17/2025 22:34	1.71	4.1	-	-
3/17/2025 21:35	3/17/2025 22:35	1.7	4.1	-	-
3/17/2025 21:36	3/17/2025 22:36	1.71	4.1	-	-
3/17/2025 21:37	3/17/2025 22:37	1.73	4.1	-	-
3/17/2025 21:38	3/17/2025 22:38	1.74	4.1	-	-
3/17/2025 21:39	3/17/2025 22:39	1.73	4.1	-	-
3/17/2025 21:40	3/17/2025 22:40	1.72	4.1	-	-
3/17/2025 21:41	3/17/2025 22:41	1.72	4.1	-	-
3/17/2025 21:42	3/17/2025 22:42	1.71	4.1	-	-
3/17/2025 21:43	3/17/2025 22:43	1.71	4.1	-	-
3/17/2025 21:44	3/17/2025 22:44	1.7	4.1	-	-
3/17/2025 21:45	3/17/2025 22:45	1.7	4.1	-	-
3/17/2025 21:46	3/17/2025 22:46	1.72	4.1	-	-
3/17/2025 21:47	3/17/2025 22:47	1.7	4.1	-	-
3/17/2025 21:48	3/17/2025 22:48	1.7	4.1	-	-
3/17/2025 21:49	3/17/2025 22:49	1.72	4.1	-	-
3/17/2025 21:50	3/17/2025 22:50	1.71	4.1	-	-
3/17/2025 21:51	3/17/2025 22:51	1.71	4.1	-	-
3/17/2025 21:52	3/17/2025 22:52	1.71	4.1	-	-

3/17/2025 21:53	3/17/2025 22:53	1.71	4.1	-	-
3/17/2025 21:54	3/17/2025 22:54	1.7	4.1	-	-
3/17/2025 21:55	3/17/2025 22:55	1.71	4.1	-	-
3/17/2025 21:56	3/17/2025 22:56	1.71	4.1	-	-
3/17/2025 21:57	3/17/2025 22:57	1.71	4.1	-	-
3/17/2025 21:58	3/17/2025 22:58	5.17	12.9	8.86	0.15
3/17/2025 21:59	3/17/2025 22:59	8.37	21	16.96	0.28
3/17/2025 22:00	3/17/2025 23:00	8.96	22.4	18.36	0.31
3/17/2025 22:01	3/17/2025 23:01	9.15	23.1	19.06	0.32
3/17/2025 22:02	3/17/2025 23:02	9.24	23.1	19.06	0.32
3/17/2025 22:03	3/17/2025 23:03	9.3	23.1	19.06	0.32
3/17/2025 22:04	3/17/2025 23:04	9.36	23	18.96	0.32
3/17/2025 22:05	3/17/2025 23:05	9.31	23	18.96	0.32
3/17/2025 22:06	3/17/2025 23:06	2.8	6.8	2.76	0.05
3/17/2025 22:07	3/17/2025 23:07	0.56	1.4	-	-
3/17/2025 22:08	3/17/2025 23:08	0.57	1.4	-	-
3/17/2025 22:09	3/17/2025 23:09	0.62	1.4	-	-
3/17/2025 22:10	3/17/2025 23:10	0.63	1.4	-	-
3/17/2025 22:11	3/17/2025 23:11	0.65	1.4	-	-
3/17/2025 22:12	3/17/2025 23:12	0.67	1.4	-	-
3/17/2025 22:13	3/17/2025 23:13	0.67	1.4	-	-
3/17/2025 22:14	3/17/2025 23:14	0.68	1.4	-	-
3/17/2025 22:15	3/17/2025 23:15	0.68	2	-	-
3/17/2025 22:16	3/17/2025 23:16	0.69	2	-	-
3/17/2025 22:17	3/17/2025 23:17	0.73	2	-	-
3/17/2025 22:18	3/17/2025 23:18	1.01	2.7	-	-
3/17/2025 22:19	3/17/2025 23:19	1.4	3.4	-	-
3/17/2025 22:20	3/17/2025 23:20	1.52	4	-	-
3/17/2025 22:21	3/17/2025 23:21	1.56	4.1	-	-
3/17/2025 22:22	3/17/2025 23:22	1.57	4.1	-	-
3/17/2025 22:23	3/17/2025 23:23	1.57	4.1	-	-
3/17/2025 22:24	3/17/2025 23:24	1.59	4	-	-
3/17/2025 22:25	3/17/2025 23:25	1.59	4	-	-
3/17/2025 22:26	3/17/2025 23:26	1.6	4	-	-
3/17/2025 22:27	3/17/2025 23:27	1.63	4	-	-
3/17/2025 22:28	3/17/2025 23:28	1.63	4	-	-
3/17/2025 22:29	3/17/2025 23:29	1.64	4	-	-
3/17/2025 22:30	3/17/2025 23:30	1.66	4	-	-
3/17/2025 22:31	3/17/2025 23:31	1.64	4	-	-
3/17/2025 22:32	3/17/2025 23:32	1.64	4	-	-
3/17/2025 22:33	3/17/2025 23:33	1.67	4.1	-	-
3/17/2025 22:34	3/17/2025 23:34	1.67	4.1	-	-
3/17/2025 22:35	3/17/2025 23:35	1.65	4.1	-	-
3/17/2025 22:36	3/17/2025 23:36	1.67	4.1	-	-
3/17/2025 22:37	3/17/2025 23:37	1.69	4.1	-	-
3/17/2025 22:38	3/17/2025 23:38	1.67	4.1	-	-
3/17/2025 22:39	3/17/2025 23:39	1.66	4.1	-	-
3/17/2025 22:40	3/17/2025 23:40	1.67	4.1	-	-
3/17/2025 22:41	3/17/2025 23:41	1.66	4.1	-	-
3/17/2025 22:42	3/17/2025 23:42	1.69	4.1	-	-
3/17/2025 22:43	3/17/2025 23:43	1.68	4.1	-	-
3/17/2025 22:44	3/17/2025 23:44	1.67	4.1	-	-
3/17/2025 22:45	3/17/2025 23:45	1.67	4.1	-	-
3/17/2025 22:46	3/17/2025 23:46	1.66	4.1	-	-
3/17/2025 22:47	3/17/2025 23:47	1.65	4.1	-	-
3/17/2025 22:48	3/17/2025 23:48	1.65	4.1	-	-
3/17/2025 22:49	3/17/2025 23:49	1.64	4.1	-	-

3/17/2025 22:50	3/17/2025 23:50	1.66	4.1	-	-
3/17/2025 22:51	3/17/2025 23:51	1.66	4.1	-	-
3/17/2025 22:52	3/17/2025 23:52	1.68	4.1	-	-
3/17/2025 22:53	3/17/2025 23:53	1.69	4.1	-	-
3/17/2025 22:54	3/17/2025 23:54	1.67	4.1	-	-
3/17/2025 22:55	3/17/2025 23:55	1.69	4.1	-	-
3/17/2025 22:56	3/17/2025 23:56	1.68	4.1	-	-
3/17/2025 22:57	3/17/2025 23:57	1.69	4.1	-	-
3/17/2025 22:58	3/17/2025 23:58	1.68	4.1	-	-
3/17/2025 22:59	3/17/2025 23:59	1.66	4.1	-	-
				SUM	2.37