QUATTRO PORTS

Port Kembla Grain Terminal

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	18/12/2025 07:50 AM	0.014	0	0	0	Dosing	13.58	260
	18/12/2025 08:02 AM	0.014	0	0	0	Dosing	13.68	260
	18/12/2025 08:14 AM	0.014	0	0	0	Dosing	13.72	261
	18/12/2025 08:26 AM	0.014	0	0	0	Dosing	13.72	260
	18/12/2025 08:38 AM	0.014	0	0	0	Dosing	13.71	259
	18/12/2025 08:50 AM	0.014	0	0	0	Dosing	13.71	259
	18/12/2025 09:02 AM	0.014	0	0	0	Dosing	13.67	261
	18/12/2025 09:14 AM	4.9	0	0	0	Fumigation	13.67	260
	18/12/2025 09:26 AM	9.625	0	0	0	Fumigation	13.64	260
	18/12/2025 09:38 AM	43.4	0	0	0	Fumigation	13.63	261
	18/12/2025 09:50 AM	44.55	0	0	0	Fumigation	13.61	259
	18/12/2025 10:02 AM	36.375	0	0	0	Fumigation	13.61	258
	18/12/2025 10:15 AM	32.95	0	0	0	Fumigation	13.59	259
	18/12/2025 10:27 AM	31.925	0	0	0	Fumigation	13.57	259
	18/12/2025 10:39 AM	32.625	0	0	0	Fumigation	13.55	260
	18/12/2025 10:51 AM	36.125	0	0	0	Fumigation	13.55	258
	18/12/2025 11:03 AM	32.725	0	0	0	Fumigation	13.54	258
	18/12/2025 11:15 AM	29.375	0	0	0	Fumigation	13.53	261
	18/12/2025 11:27 AM	28.85	0	0	0	Fumigation	13.52	260

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Port Kembla Grain Terminal

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	18/12/2025 11:39 AM	28.5	0	0	0	Fumigation	13.56	258
	18/12/2025 11:51 AM	27.625	0	0	0	Fumigation	13.55	260
	18/12/2025 12:03 PM	34.6	0	0	0	Fumigation	13.54	259
	18/12/2025 12:15 PM	26.775	0	0	0	Fumigation	13.56	260
	18/12/2025 12:27 PM	28.05	0	0	0	Fumigation	13.59	261
	18/12/2025 12:39 PM	27.75	0	0	0	Fumigation	13.58	259
	18/12/2025 12:51 PM	25.95	0	0	0	Fumigation	13.57	260
	18/12/2025 01:03 PM	11.225	0	0	0	Fumigation	13.59	260
	18/12/2025 01:15 PM	22.875	0	0	0	Fumigation	13.58	258
	18/12/2025 01:27 PM	17.325	0	0	0	Fumigation	13.55	260
	18/12/2025 01:39 PM	23.375	0	0	0	Fumigation	13.55	258
	18/12/2025 01:51 PM	25.05	0	0	0	Fumigation	13.53	257
	18/12/2025 02:03 PM	20.7	0	0	0	Fumigation	13.51	259
	18/12/2025 02:15 PM	22.3	0	0	0	Fumigation	13.46	258
	18/12/2025 02:27 PM	21.95	0	0	0	Fumigation	13.44	259
	18/12/2025 02:39 PM	22.35	0	0	0	Fumigation	13.44	260
	18/12/2025 02:51 PM	21.3	0	0	0	Fumigation	13.44	260
	18/12/2025 03:03 PM	18.675	0	0	0	Fumigation	13.43	262
	18/12/2025 03:15 PM	17.25	0	0	0	Fumigation	13.43	263

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	18/12/2025 03:27 PM	17.375	0	0	0	Fumigation	13.47	260
	18/12/2025 03:39 PM	19.325	0	0	0	Fumigation	13.53	256
	18/12/2025 03:51 PM	24.4	0	0	0	Fumigation	13.55	259
	18/12/2025 04:03 PM	21.425	0	0	0	Fumigation	13.54	261
	18/12/2025 04:16 PM	18.1	0	0	0	Fumigation	13.54	259
	18/12/2025 04:28 PM	18.125	0	0	0	Fumigation	13.5	261
	18/12/2025 04:40 PM	19.175	0	0	0	Fumigation	13.5	259
	18/12/2025 04:52 PM	16.475	0	0	0	Fumigation	13.53	262
	18/12/2025 05:04 PM	17.35	0	0	0	Fumigation	13.49	262
	18/12/2025 05:16 PM	18.05	0	0	0	Fumigation	13.47	261
	18/12/2025 05:28 PM	20.8	0	0	0	Fumigation	13.48	262
	18/12/2025 05:40 PM	18.725	0	0	0	Fumigation	13.47	258
	18/12/2025 05:52 PM	18.25	0	0	0	Fumigation	13.6	260
	18/12/2025 06:04 PM	15.975	0	0	0	Fumigation	13.67	261
	18/12/2025 06:16 PM	16.675	0	0	0	Fumigation	13.65	259
	18/12/2025 06:28 PM	20.2	0	0	0	Fumigation	13.59	257
	18/12/2025 06:40 PM	19	0	0	0	Fumigation	13.6	256
	18/12/2025 06:52 PM	17.3	0	0	0	Fumigation	13.59	259
	18/12/2025 07:04 PM	18.825	0	0	0	Fumigation	13.6	259

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	18/12/2025 07:16 PM	16.975	0	0	0	Fumigation	13.6	257
	18/12/2025 07:28 PM	19.625	0	0	0	Fumigation	13.63	260
	18/12/2025 07:40 PM	15	0	0	0	Fumigation	13.59	260
	18/12/2025 07:52 PM	16.625	0	0	0	Fumigation	13.57	259
	18/12/2025 08:04 PM	20.425	0	0	0	Fumigation	13.54	262
	18/12/2025 08:16 PM	17.325	0	0	0	Fumigation	13.5	262
	18/12/2025 08:28 PM	16.75	0	0	0	Fumigation	13.45	261
	18/12/2025 08:40 PM	15.925	0	0	0	Fumigation	13.46	260
	18/12/2025 08:52 PM	17.7	0	0	0	Fumigation	13.49	259
	18/12/2025 09:04 PM	18.15	0	0	0	Fumigation	13.54	261
	18/12/2025 09:16 PM	17.225	0	0	0	Fumigation	13.62	262
	18/12/2025 09:28 PM	16.975	0	0	0	Fumigation	13.69	261
	18/12/2025 09:40 PM	16.4	0	0	0	Fumigation	13.72	260
	18/12/2025 09:52 PM	19.6	0	0	0	Fumigation	13.68	259
	18/12/2025 10:04 PM	17.45	0	0	0	Fumigation	13.58	262
	18/12/2025 10:17 PM	17.2	0	0	0	Fumigation	13.47	260
	18/12/2025 10:29 PM	15.85	0	0	0	Fumigation	13.37	258
	18/12/2025 10:41 PM	15.475	0	0	0	Fumigation	13.22	258
	18/12/2025 10:53 PM	14.225	0	0	0	Fumigation	13.1	261

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	18/12/2025 11:05 PM	15.6	0	0	0	Fumigation	13.2	258
	18/12/2025 11:17 PM	11.7	0	0	0	Fumigation	13.35	260
	18/12/2025 11:29 PM	13.325	0	0	0	Fumigation	13.44	261
	18/12/2025 11:41 PM	12.5	0	0	0	Fumigation	13.49	261
	18/12/2025 11:53 PM	14.1	0	0	0	Fumigation	13.51	261
	19/12/2025 12:05 AM	9.375	0	0	0	Fumigation	13.61	263
	19/12/2025 12:17 AM	15.15	0	0	0	Fumigation	13.63	260
	19/12/2025 12:29 AM	13.55	0	0	0	Fumigation	13.6	262
	19/12/2025 12:41 AM	11.1	0	0	0	Fumigation	13.59	259
	19/12/2025 12:53 AM	13.45	0	0	0	Fumigation	13.62	260
	19/12/2025 01:05 AM	9.35	0	0	0	Fumigation	13.66	262
	19/12/2025 01:17 AM	13.425	0	0	0	Fumigation	13.69	262
	19/12/2025 01:29 AM	12.425	0	0	0	Fumigation	13.7	260
	19/12/2025 01:41 AM	16.675	0	0	0	Fumigation	13.67	262
	19/12/2025 01:53 AM	12.175	0	0	0	Fumigation	13.64	264
	19/12/2025 02:05 AM	8.8	0	0	0	Fumigation	13.66	262
	19/12/2025 02:17 AM	11.3	0	0	0	Fumigation	13.71	258
	19/12/2025 02:29 AM	14.25	0	0	0	Fumigation	13.72	259
	19/12/2025 02:41 AM	11.025	0	0	0	Fumigation	13.72	258

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	19/12/2025 02:53 AM	11.075	0	0	0	Fumigation	13.7	262
	19/12/2025 03:05 AM	12.375	0	0	0	Fumigation	13.67	263
	19/12/2025 03:17 AM	12.1	0	0	0	Fumigation	13.66	261
	19/12/2025 03:29 AM	10.45	0	0	0	Fumigation	13.65	261
	19/12/2025 03:41 AM	9.35	0	0	0	Fumigation	13.68	264
	19/12/2025 03:53 AM	11.725	0	0	0	Fumigation	13.68	264
	19/12/2025 04:05 AM	11.675	0	0	0	Fumigation	13.66	266
	19/12/2025 04:18 AM	11.25	0	0	0	Fumigation	13.67	264
	19/12/2025 04:30 AM	10.125	0	0	0	Fumigation	13.7	260
	19/12/2025 04:42 AM	11.775	0	0	0	Fumigation	13.71	259
	19/12/2025 04:54 AM	8.325	0	0	0	Fumigation	13.72	261
	19/12/2025 05:06 AM	10.55	0	0	0	Fumigation	13.72	260
	19/12/2025 05:18 AM	9.925	0	0	0	Fumigation	13.71	260
	19/12/2025 05:30 AM	11.425	0	0	0	Fumigation	13.64	261
	19/12/2025 05:42 AM	11.625	0	0	0	Fumigation	13.44	259
	19/12/2025 05:54 AM	7.675	0	0	0	Fumigation	13.47	261
	19/12/2025 06:06 AM	6.275	0	0	0	Fumigation	13.65	260
	19/12/2025 06:18 AM	9.9	0	0	0	Fumigation	13.72	259
	19/12/2025 06:30 AM	10	0	0	0	Fumigation	13.69	258

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	19/12/2025 06:42 AM	10.875	0	0	0	Fumigation	13.66	259
	19/12/2025 06:54 AM	10.4	0	0	0	Fumigation	13.65	262
	19/12/2025 07:06 AM	10.025	0	0	0	Fumigation	13.59	257
	19/12/2025 07:18 AM	11.475	0	0	0	Fumigation	13.47	258
	19/12/2025 07:30 AM	7.375	0	0	0	Fumigation	13.36	259
	19/12/2025 07:42 AM	11.575	0	0	0	Fumigation	13.32	259
	19/12/2025 07:54 AM	12.425	0	0	0	Fumigation	13.26	260
	19/12/2025 08:06 AM	12.45	0	0	0	Fumigation	13.3	258
	19/12/2025 08:18 AM	9.775	0	0	0	Fumigation	13.36	259
	19/12/2025 08:30 AM	6.75	0	0	0	Fumigation	13.41	259
	19/12/2025 08:37 AM	8.05	0	0	0	Fumigation	13.41	258
	19/12/2025 08:51 AM	5.95	0	0	0	Fumigation	13.41	259
	19/12/2025 09:05 AM	8.475	0	0	0	Fumigation	13.29	260
	19/12/2025 09:19 AM	4.25	0	0	0	Fumigation	13.28	260
	19/12/2025 09:34 AM	3.89	503	1.957	0	Initial Purging	13.32	257
	19/12/2025 09:48 AM	0	503	0	0	Initial Purging	13.34	259
	19/12/2025 10:09 AM	0.037	503	0.019	0	Initial Purging	13.29	260
	19/12/2025 10:30 AM	0.063	503	0.032	0	Initial Purging	13.29	258
	19/12/2025 10:51 AM	0.086	503	0.043	0.445	Initial Purging	12.88	262

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	19/12/2025 11:12 AM	0.112	503	0.056	0.026	Initial Purging	12.87	261
	19/12/2025 11:33 AM	0.161	503	0.081	0.045	Purging	12.66	261
	19/12/2025 11:54 AM	0.144	503	0.072	0.064	Purging	12.74	262
	19/12/2025 12:15 PM	0.142	503	0.071	0.072	Purging	12.81	261
	19/12/2025 12:36 PM	0.127	503	0.064	0.073	Purging	12.59	260
	19/12/2025 12:57 PM	0.182	503	0.092	0.071	Purging	12.8	260
	19/12/2025 01:19 PM	0.308	503	0.155	0.085	Purging	13.08	260
	19/12/2025 01:40 PM	0.108	503	0.054	0.102	Purging	13.24	257
	19/12/2025 02:01 PM	0.199	503	0.1	0.101	Purging	12.68	260
	19/12/2025 02:22 PM	0.283	503	0.142	0.102	Purging	12.76	260
	19/12/2025 02:43 PM	0.336	503	0.169	0.112	Purging	13.13	259
	19/12/2025 03:04 PM	0.368	503	0.185	0.147	Purging	12.78	261
	19/12/2025 03:25 PM	0.407	503	0.205	0.172	Purging	13.05	260
	19/12/2025 03:46 PM	0.46	503	0.231	0.193	Purging	12.57	259
	19/12/2025 04:07 PM	0.389	503	0.196	0.208	Purging	12.6	258
	19/12/2025 04:28 PM	0.432	503	0.217	0.212	Purging	12.57	262
	19/12/2025 04:50 PM	0.392	503	0.197	0.211	Purging	12.69	258
	19/12/2025 05:11 PM	0.288	503	0.145	0.198	Purging	13.24	260
	19/12/2025 05:32 PM	0.314	503	0.158	0.18	Purging	13.3	258

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	19/12/2025 05:53 PM	0.279	503	0.14	0.16	Purging	13.44	259
	19/12/2025 06:14 PM	0.27	503	0.136	0.147	Purging	13.47	259
	19/12/2025 06:35 PM	0.271	503	0.136	0.142	Purging	13.38	258
	19/12/2025 06:56 PM	0.248	503	0.125	0.136	Purging	13.32	260
	19/12/2025 07:17 PM	0.222	503	0.112	0.13	Purging	13.37	260
	19/12/2025 07:38 PM	0.18	503	0.091	0.119	Purging	13.53	259
	19/12/2025 07:59 PM	0.168	503	0.085	0.104	Purging	13.54	259
	19/12/2025 08:21 PM	0.15	503	0.075	0.092	Purging	13.47	258
	19/12/2025 08:42 PM	0.108	503	0.054	0.08	Purging	13.43	259
	19/12/2025 09:03 PM	0.093	503	0.047	0.067	Purging	13.35	260
	19/12/2025 09:24 PM	0.086	503	0.043	0.055	Purging	13.28	259
	19/12/2025 09:45 PM	0.066	503	0.033	0.046	Purging	13.26	259
	19/12/2025 10:06 PM	0.046	503	0.023	0.038	Purging	13.15	258
	19/12/2025 10:27 PM	0.037	503	0.019	0.03	Purging	12.75	258
	19/12/2025 10:48 PM	0.021	503	0.011	0.022	Purging	12.67	259
	19/12/2025 11:09 PM	0.014	503	0.007	0.016	Purging	13.23	261
	19/12/2025 11:30 PM	0.028	503	0.014	0.012	Purging	13.24	258
	19/12/2025 11:52 PM	0.021	503	0.011	0.011	Purging	13.21	258
	20/12/2025 12:13 AM	0.007	503	0.004	0.01	Purging	13.29	261

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	20/12/2025 12:34 AM	0	503	0	0.008	Purging	13.38	262
	20/12/2025 12:55 AM	0	503	0	0.004	Purging	13.44	260
	20/12/2025 01:16 AM	0	503	0	0.001	Purging	13.46	260
	20/12/2025 01:37 AM	0	503	0	0	Purging	13.53	261
	20/12/2025 01:58 AM	0	503	0	0	Purging	13.6	262
	20/12/2025 02:19 AM	0	503	0	0	Purging	13.62	258
	20/12/2025 02:40 AM	0	503	0	0	Purging	13.59	259
	20/12/2025 03:01 AM	0	503	0	0	Purging	13.57	259
	20/12/2025 03:23 AM	0	503	0	0	Purging	13.57	260
	20/12/2025 03:44 AM	0	503	0	0	Purging	13.71	262
	20/12/2025 04:05 AM	0	503	0	0	Purging	13.72	263
	20/12/2025 04:26 AM	0	503	0	0	Purging	13.68	259
	20/12/2025 04:47 AM	0	503	0	0	Purging	13.58	262
	20/12/2025 05:08 AM	0	503	0	0	Purging	13.55	259
	20/12/2025 05:29 AM	0	503	0	0	Purging	13.6	257
	20/12/2025 05:50 AM	0	503	0	0	Purging	13.59	258
	20/12/2025 06:11 AM	0	503	0	0	Purging	13.6	256
	20/12/2025 06:32 AM	0	503	0	0	Purging	13.58	262
	20/12/2025 06:54 AM	0	503	0	0	Purging	13.56	261

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

QUATTRO PORTS

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025

Silo	Gas Reading Date	Gas Reading mg/l	Stack Flow Rate l/s	Exhaust Flux Instantaneous g/s	Exhaust Flux Hourly Average g/s	Fumigation State	Average Wind Speed	Average Wind Direction
Silo: CL102								
	20/12/2025 07:15 AM	0	503	0	0	Purging	13.57	259
	20/12/2025 07:36 AM	0	503	0	0	Purging	13.48	261
	20/12/2025 07:57 AM	0	503	0	0	Purging	13.53	259

Fumigation Gas Reading Log

Selected Dates: 18/12/2025 and 20/12/2025