



December 2023 - Carrington Grain Terminal Monitoring Summary Report

The following Newcastle Grain Terminal monthly monitoring summary report has been prepared by GrainCorp in accordance with Section 66 of the *Pollution of the Environment Operations Act 1997*. Monitoring data shared with the public on the website includes that collected as part of the Environmental Protection Licence (EPL) for the Newcastle Grain Terminal site. Monthly monitoring summaries are completed on the last day of any given month for the data collected.

Report contents

Section A. Map of Newcastle Grain Terminal and the location of sampling points as per the Environmental Protection Licence

Section B. Newcastle Grain Terminal fumigation emissions monitoring (Sampling Point 2)

Monitoring triggered in this period and summarised in report?	<input checked="" type="checkbox"/> Yes see Section B	<input type="checkbox"/> No has not been included in report
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Site details

EPL Number	1296
Licensee Name	GrainCorp Operations Limited
Address	Newcastle Grain Terminal
EPL Public Register Link	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=1296&id=1296&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued

Technical Reviewer

Name
Date

Date published to website

Date

A. Sampling points as per EPL - Newcastle Grain Terminal



Environment Protection licence (EPL) Monitoring Locations

Point	Location at Newcastle Grain Terminal
2	Discharge from the vent stack fumigation chamber located at the northern-most grain silos

B. GrainCorp - Newcastle fumigant ventilation monitoring data summary: Dec 24

All air monitoring has been conducted in accordance with the methodology prescribed in a methodology approved in writing with NSW EPA.

Monitoring frequency: Continuous during every ventilation

No. of ventilation events during month: 0

Sampling date (start of ventilation event and air number)	Fumigant (discharged to air)	Sample (fumigant)	Result		Limit (100 percentile (µg/m ³))	Units of measure	Monitoring point location	Exceedance (Eq 10-1)
			Min. value	Max. value				
01/01-12/24	Scenario 1	Methyl bromide	0.0	0.2	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.000	0.000	0.000	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide		18.4	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate		0.17	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/12-12/24	Scenario 1	Methyl bromide	0.0	7.4	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.000	0.000	0.000	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide	0.0	14.6	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.100	0.100	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/15-12/24	Scenario 1	Methyl bromide	0.0	6.6	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.400	0.400	0.400	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide	0.2	9.6	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.100	0.100	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/21-12/24	Scenario 1	Methyl bromide	0.4	3.6	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.181	0.181	0.400	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide		18.4	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate		0.17	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/26-12/24	Scenario 1	Methyl bromide	7.4	7.2	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.400	0.400	0.400	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide	7.2	10.0	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.100	0.100	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/28-12/24	Scenario 1	Methyl bromide	0.4	6	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.000	0.000	0.000	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide		18.4	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate		0.17	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/31-12/24	Scenario 1	Methyl bromide	0	0	0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.400	0.400	0.400	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide	6	11.6	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.16	0.160	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
02/04-12/24	Scenario 1	Methyl bromide	6.2	7.4	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.185	0.185	0.400	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide		18.4	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate		0.17	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
01/01-12/24	Scenario 1	Methyl bromide	5.2	7	0.0	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.47	0.470	0.400	meters cubed per second	Point 2	0.0
		Scenario 2						
	Scenario 2	Methyl bromide	9	13.4	18.4	µg/m ³ per cubic metre	Point 2	0.0
		ValuMetric flow rate	0.164	0.165	0.17	meters cubed per second	Point 2	0.0
		Scenario 1						
Scenario 1	Nil	Nil	76	µg/m ³ per cubic metre	Point 2	0.0		
Scenario 1	Nil	Nil	76	µg/m ³ per cubic metre	Point 2	0.0		
Scenario 1	Nil	Nil	76	µg/m ³ per cubic metre	Point 2	0.0		
Scenario 1	Nil	Nil	76	µg/m ³ per cubic metre	Point 2	0.0		

MONITORING NOTES:
 Scenario 1 is defined as having a fumigant concentration of 18.4 grams per cubic metre and a one hour initial ventilation period.
 Scenario 2 is defined as having a fumigant concentration of 18.4 grams per cubic metre and a three hour initial ventilation period.