

AUG 2021 - 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?	☐ No has not been included in report

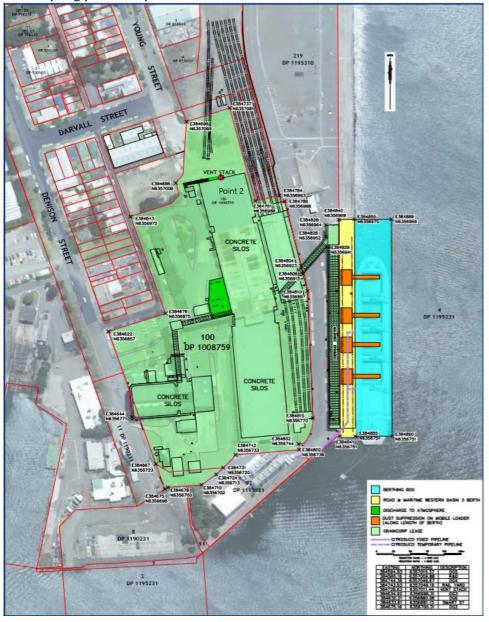
Site details

Date published to website

16/09/2021 Date

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⦥=POEO%20licence&prp=no&statu						
Technical Reviewer							
	A. Costa						
	Name						
	16/09/2021						
	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: AUG 2021

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

Monitoring frequency: Continuous during every ventilation

No. of ventilation events during month: 3

Sampling date (start of ventilation event) and silo number	Pollutant (discharged to air)	Sampler (fumigator)	Result		Limit		Monitoring	
			Min. value	Max. value	100 percentile (allowable)	Units of measure	point location	Exceedance (yes/no)
18/08/21 11:05am Silo	Scenario 1							
16	Methyl bromide	P. Cowling P.Carpenter	1.8	3.2	10	grams per cubic meter	Point 2	no
	Volumetric flow rate	1 icurpenter	0.073	0.074	0.494	meters cubed/ second	Point 2	no
Scenario 2								
	Methyl bromide	-	-	-	19.4	grams per cubic meter	Point 2	-
	Volumetric flow rate	-	-	-	0.17	meters cubed/ second	Point 2	-
, ,	Scenario 1	T	1			T	1	
]2	Methyl bromide	A. Donnelly P.Carpenter	1.8	6.6	10	grams per cubic meter	Point 2	no
	Volumetric flow rate	P.Carpenter	0.105	0.112	0.494	meters cubed/ second	Point 2	no
	Scenario 2							
	Methyl bromide	-	-	-	19.4	grams per cubic meter	Point 2	-
	Volumetric flow rate	-	-	-	0.17	meters cubed/ second	Point 2	-
	Γ=							
25/08/21 10:45am Silo	Scenario 1	T	T				1	
H5	Methyl bromide	A. Donnelly P.Carpenter	3.8	7.6	10	grams per cubic meter	Point 2	no
	Volumetric flow rate	r.carpenter	0.139	0.154	0.494	meters cubed/ second	Point 2	no
	Scenario 2							
	Methyl bromide	-	-	-	19.4	grams per cubic meter	Point 2	-
	Volumetric flow rate	-	-	-	0.17	meters cubed/ second	Point 2	-

MONITORING NOTES:

Scenario 1 is defined as having a fumigation concentration of 10 grams per cubic meter and a one hour initial ventilation period Scenario 2 is defined as having a fumigation concentration of 19.4 grams per cubic meter and a three hour initial ventilation period