

July 2017 - 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

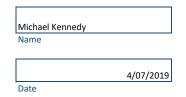
Section A. Map of Newcastle Grain Terminal and the location of sampling points as per the Environmental Protection Licence

Section B. Newcastle Grain Terminal fumigation emissions monitoring (Sampling Point 2)	Monitoring triggered in this period	Yes	No
	and summarised in report?	see Section B	has not been included in report

Site details

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

Technical Reviewer



Date published to website

4/07/2019 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: July 2017

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: 2

Sampling date		Sampler	Re	sult	Limit		Monitoring point	Exceedance
(start of ventilation		(fumigator	Min. value	Max. value	100 percentile	Units of measure	Monitoring point location	(yes/no)
event) & silo vented)			(allowable)			
15/07/2017	Scenario 1							
Silo G5						grams per cubic		
	Methyl bromide	A.Donnelly	N/A	4.6	10	meter	Point 2	No
		P. Cowling				meters cubed/		
	Volumetric flow rate		0.125	0.4	0.494	second	Point 2	No
	Scenario 2							
						grams per cubic		
	Methyl bromide	A.Donnelly	12.5	15.8	19.4	meter	Point 2	No
		P. Cowling				meters cubed/		
	Volumetric flow rate		0.12	0.125	0.17	second	Point 2	No
	•			•	•	•		•
20/07/17								
Silo K5	Phosphine	A.Donnelly	20	21	73	parts per million	Point 2	No

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