

November 2019 - 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

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

Monitoring triggered in this period and		□ No
summarised in report?	see Section B	has not been included in report

Site details

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

Technical Reviewer

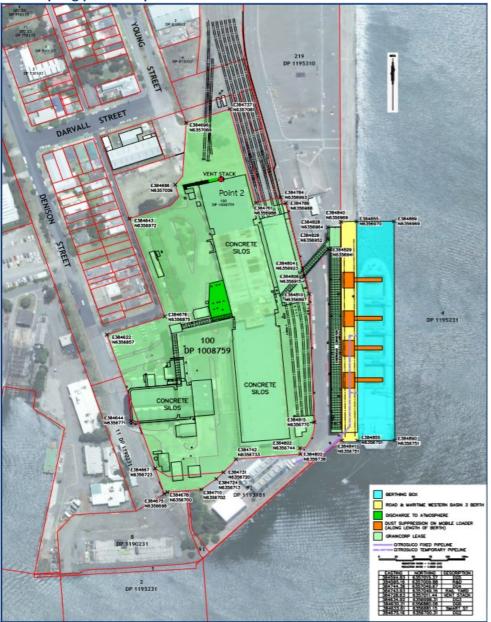
M. Kennedy
Name

12/12/2019
Date

Date published to website

13/12/2019 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: November 2019

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 (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)
No methyl bromide	Scenario 1							
ventilation events	Methyl bromide	-	-	-	10	grams per cubic meter	-	-
during November	Volumetric flow rate	-	-	-	0.494	meters cubed/ second	-	-
	Scenario 2							
	Methyl bromide	-	-	-	19.4	grams per cubic meter	-	-
	Volumetric flow rate	-	-	-	0.17	meters cubed/ second	-	-
05-11-19 8.52am Silo		A.Donnelly						
H7	Phosphine	J.Neill	N/A	73	73	parts per million	Point 2	no
07-11-19 10.58am Silo		A.Donnelly						
G5	Phosphine	J.Neill	N/A	68	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