

March 2020 - 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	□ Yes	No
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	nttps://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=1296&id=1296&option=licence&searchrange=licence⦥=POEO%20licence&prp=no&status=lssued
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Technical Reviewer

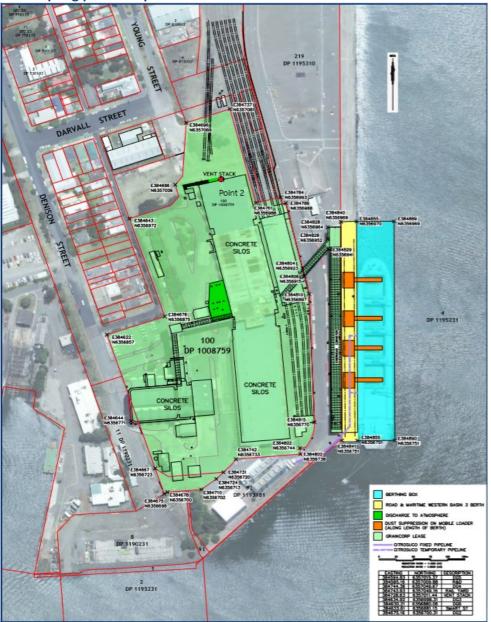
M. Kennedy
Name

9/04/2020
Date

Date published to website

9/04/2020 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: March 2020

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: 0

I Pollutant (discharged to air) I		Result		Limit		Monitoring			
	Sampler (fumigator)	Min. value	Max. value	100 percentile (allowable)	Units of measure	point location	Exceedance (yes/no)		
Scenario 1									
Methyl bromide	-	-	-	10	grams per cubic meter	-	-		
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	-	-		
Phosphine	-	-	-	73	parts per million	-	-		
-,	Scenario 1 Methyl bromide Volumetric flow rate Scenario 2 Methyl bromide Volumetric flow rate	Scenario 1 Methyl bromide Volumetric flow rate Scenario 2 Methyl bromide Volumetric flow rate	Pollutant (discharged to air) Sampler (fumigator) Min. value Scenario 1 Methyl bromide Volumetric flow rate Scenario 2 Methyl bromide Volumetric flow rate	Pollutant (discharged to air) Sampler (fumigator) Min. value Max. value Scenario 1 Methyl bromide	Note Sampler (fumigator) Min. value Max. value 100 percentile (allowable)	Pollutant (discharged to air) Sampler (fumigator) Min. value Max. value 100 percentile (allowable)	Pollutant (discharged to air) Sampler (fumigator) Min. value Max. value 100 percentile (allowable) Units of measure Monitoring point location Scenario 1 Methyl bromide 10 grams per cubic meter - 10 meters cubed/ second - 10 meters cubed/		

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