

# **May 2019 - PKGT Monitoring Summary Report**

The following Port Kembla Grain Terminal (PKGT) 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 Port Kembla Grain Terminal Site. Monthly monitoring summaries are completed on the last day of any given month for the data collected.

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Section A. Map of PKGT and the location of sampling points as per the Environmental Protection Licence			
		✓ Yes	☐ No
Section B. PKGT fumigation emissions monitoring (Sampling Points 3,4,5,6,7 and 8)		see Section B	has not been included in report
	Monitoring triggered in this	☐ Yes	✓ No
Section C. PKGT interceptor water monitoring (Sampling Point 1)	period and summarised in report?	see Section C	has not been included in report
		☐ Yes	✓ No
Section D. PKGT diesel boiler monitoring (Sampling Point 2)		see Section D	has not been included in report

#### Site details

<b>EPL Number</b>	3693
Licensee Name	GrainCorp Operations Limited
Address	Port Kembla Grain Terminal, Morton Way, Port Kembla NSW 2505
<b>EPL Public Register Link</b>	http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=3693&id=3693&option=licence&searchrange=licence⦥=POEO licence&prp=no&status=Issued

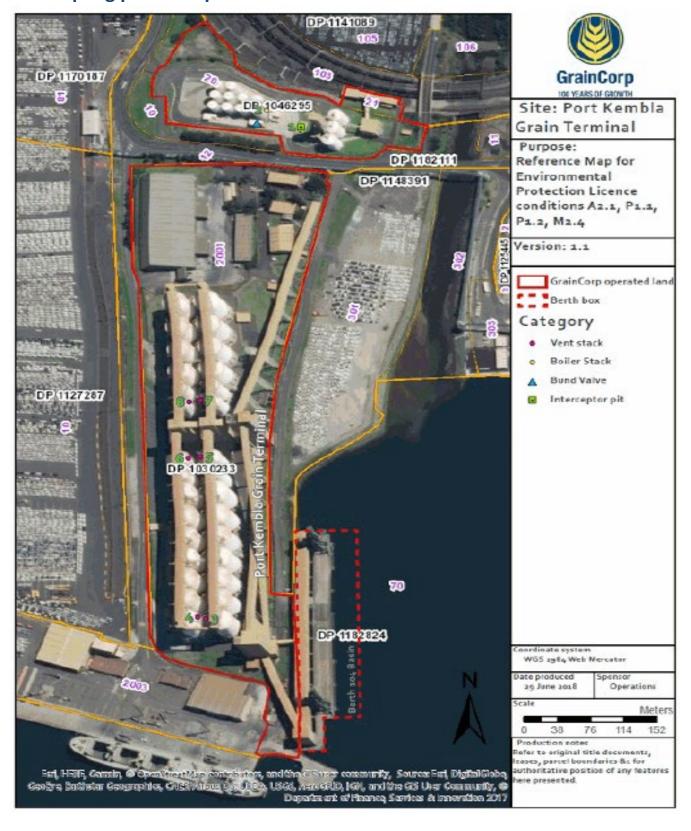
#### **Technical Reviewer**

J.Curran		
Name		
6.06.2019		
Date		

### Date published to website

7.06.2019 Date

## A. Sampling points as per EPL - Port Kembla Grain Terminal



### **Environment Protection licence (EPL) Monitoring Locations**

Point	Location at PKGT
1	Located at the Bulk Liquid Storage area of the Port Kembla Grain Terminal. The water sample is collected downstream the bund valve from the final section of the interceptor.
2	Diesel boiler air vent located within the bulk liquid storage area directly east of the bulk storage tank area bund.
3 and 4	Most southern fumigation vents located beside silos A1 and B1.
5 and 6	Fumigation vent located in the centre of the site beside silos A9 and B9.
7 and 8	The northern most fumigation vents located beside silos A10 and B10, just north of points 5 and 6.

# B. GrainCorp - Port Kembla Fumigation monitoring data summary: May 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: 1

Sampling date (ventilation event)	Pollutant (discharged to air)	Silo Vent No.	Initial Purge start time^	Initial Purge end time*	Exceedance More than one silo vent in initial purge phase?* (yes/no)	Sampler (fumigator)	Parameter	Result		Limit			
								Min. value	Max. value	100 percentile (allowable)		Monitoring point location	Exceedance (yes/no)
	Single silo ventilation event												
28/05/2019	Phosphine	A13	11:00:00 AM	1:10:00 PM	Ne	R.Newton	Phosphine	NA	0.0075	0.0424	grams per second	Point 7	No
					No	R.Newton	Velocity	5.6	NA	0.5	metres per second	Point 7	No
	Second silo ventilation event												
	No second vent												

<sup>^</sup> Initial Purge times that coincide are shaded in purple.

<sup>\*</sup>The Initial Purge phase is the time between the start of vent and until emission rate from the grain silo is either 1 gram per second of Methyl Bromide or 0.01 grams per second of Phosphine. Only one grain silo can be in the initial purge phase at any one time. The maximum number of grain silos venting at any one time must not exceed two.