

May 2023 - 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.

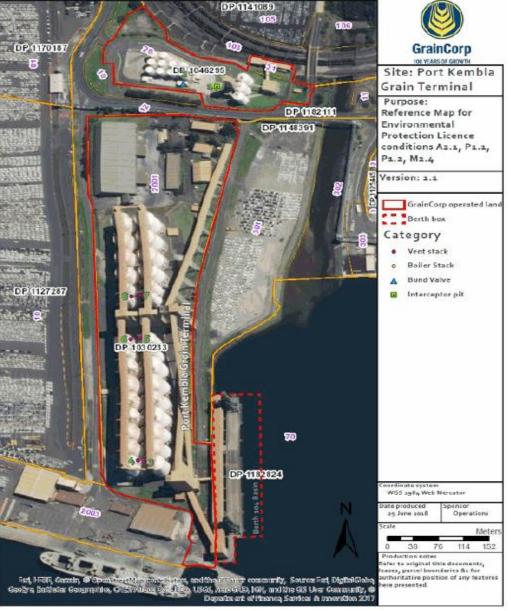
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Report contents			
Section A. Map of PKGT and the location of sampling points as per the Environmental Protection Licence			
Section B. PKGT fumigation emissions monitoring (Sampling Points 3,4,5,6,7 and 8)		yes see Section B	No has not been included in report
Section C. PKGT interceptor water monitoring (Sampling Point 1)	Monitoring triggered in this period and summarised in report?	✓ Yes see Section C	No has not been included in report
Section D. PKGT diesel boiler monitoring (Sampling Point 2)		Yes see Section D	✓ No has not been included in report
Site details			
EPL Number 3693			
Licensee Name GrainCorp Operations Limited			
Address Port Kembla Grain Terminal, Morton Way, Port Kembla NSW 2505 EPL Public Register Link http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=3693&id=3693&opt	tion=licence&searchrange=licence⦥=POEO licence	e&prp=no&status=Issued	
Service Consistency of the Constant of the Con			
Technical Reviewer			

A. Costa Name			
16/06/202	3		

Date published to website

20/06/2023	
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.

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B. GrainCorp - Port Kembla Fumigation monitoring data summary: May 2023

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: 8

					Exceedance			Re	sult	Limit			
Sampling date (ventilation event)	Pollutant (discharged to air)	Silo Vent No.	Initial Purge start time^	Initial Purge end time*	More than one silo vent in initial purge phase?* (yes/no)	Sampler (fumigator)	Parameter	Min. value	Max. value	100 percentile (allowable)	Units of measure	Monitoring point location	Exceedance (yes/no)
	Single silo ventilation event												
	Methyl Bromide	B11	9:28	n/a	no	R. Newton	Concentration	NA	5.2537	8	grams per second	- 8	no
	Mediyi Bromide	511	3.20	.,,,	110	it. Newton	Velocity	1.54	NA	1.4	metres per		no
7/05/2023	Second silo ventilation event						•				second		
	No discharge occurred						Concentration	NA		-	grams per second	_	
	No discharge occurred						Velocity		NA	-	metres per second	-	
	Single silo ventilation event				n/a No	R. Newton	Concentration	NA	0.0313	0.0424	grams per		no
	Phosphine	A5	A5 12:03	n/a			Velocity	0.68	NA	0.5	metres per	5	no
10/05/2023	Second silo ventilation event										second		
	No discharge occurred						Concentration	NA		-	grams per second		
							Velocity		NA	-	metres per second	-	
											3000110		
	Single silo ventilation event												
	Methyl Bromide	B13	12:07	n/a	no	R. Newton	Concentration	NA	6.2195	8	grams per second	- 8	no
19/05/2023	·			, -			Velocity	1.55	NA	1.4	metres per second		no
	Second silo ventilation event			1				1					1
	No discharge occurred						Concentration	NA		-	grams per second	_	
							Velocity		NA	-	metres per second		
	Single silo ventilation event												1
					No		Concentration	NA	4.862	8	grams per second		no
	Methyl Bromide	A11	A11 9:55	n/a		R. Newton	Velocity	1.53	NA	1.4	metres per second	7	no
23/05/2023	Second silo ventilation event												
	No discharge assured						Concentration	NA		-	grams per second		
	No discharge occurred						Velocity		NA	-	metres per second	-	

B. GrainCorp - Port Kembla Fumigation monitoring data summary: May 2023

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No. of ventilation events during month: 8

Simple file ventilation event Pollutant [discharged to air] Silo Ventil (miles More than one silo ventilation event Sampler (famigator) Parameter Min. value More, value						Exceedance			Re	sult	Limit			_
Methyl Bromide		Pollutant (discharged to air)				More than one silo vent in initial purge	Sampler (fumigator)	Parameter			100 percentile		point	Exceedance (yes/no)
Methyl Bromide														
Methyl Bromide B.14 1:27 n/a no R. Newton Concentration N.A S. U.Ses 8 second 1 1 1 1 1 1 1 1 1		Single silo ventilation event												
25/05/2023 Second silo ventilation event Second silo ven		Methyl Bromide	B14	1:27	n/a	no	R. Newton	Concentration	NA	6.0096	8	second	8	no
Concentration NA - grams per - grams	25/05/2023	·	51.		, 2			Velocity	1.54	NA	1.4		Ü	no
No discharge occurred No d		Second silo ventilation event				T								
Single silo ventilation event		No discharge occurred						Concentration	NA		-	second	_	
Methyl Bromide								Velocity		NA	-			
Methyl Bromide														
Methyl Bromide		Single silo ventilation event			1								1	
27/05/2023 Second silo ventilation event Concentration NA 1.4 second NA 1.4 second NA Second Second NA Second NA Second Second Second NA Second Second Second NA Second S		Methyl Bromide	Δ6	13:09	.3:09 n/a No	No	R. Newton	Concentration	NA	6.1909	8		- 5	no
Concentration NA -		ivietnyi Bromide	Ab	13.09		NO		Velocity	1.53	NA	1.4			no
No discharge occurred No discharge occurred No di	27/05/2023	Second silo ventilation event												
Velocity NA		No discharge occurred						Concentration	NA		-			
Single silo ventilation event Methyl Bromide A14 14:57 n/a no R. Newton Velocity 1.52 NA 1.4 metres per second velocity No discharge occurred Single silo ventilation event Concentration NA - grams per second velocity NA - metres per second velocity 1.53 NA 1.4 metres per second velocity 1.55 NA 1.4 metres per second v								Velocity		NA	-	metres per	-	
Methyl Bromide					I.									
Methyl Bromide		Single silo ventilation event												
29/05/2023 Second silo ventilation event Single silo ventilation event Second silo ventilation event Second silo ventilation event Second silo ventilation event Single silo ventilation event Second silo vent		Methyl Bromide A1			,			Concentration	NA	6.0445	8		_	no
Second silo ventilation event No discharge occurred No discharge occurred	20/05/2022		A14 1	14:57	n/a	no	R. Newton	Velocity	1.52	NA	1.4	metres per	7	no
No discharge occurred No discharge occurred No di	25/03/2023	Second silo ventilation event												
Single silo ventilation event Methyl Bromide A7 12:00 n/a No R. Newton Velocity 1.53 NA 1.4 metres per second no no no no no no no		No discharge occurred						Concentration	NA		-	second		
Single silo ventilation event Single silo ventilation event Single silo ventilation event Single silo ventilation event Second silo ventilation even		No discharge occurred						Velocity		NA	-	metres per	_	
Methyl Bromide A7 12:00 n/a No R. Newton Concentration NA 6.4206 8 grams per second 5 no Second silo ventilation event Concentration NA 1.4 metres per second 7 no Second silo ventilation event Concentration NA - grams per second 8 grams per second 8 metres per second 8 metres per second 9 no 9														
Methyl Bromide A7 12:00 n/a No R. Newton Velocity 1.53 NA 1.4 metres per second Second silo ventilation event Concentration NA 6.4206 8 second 5 no Concentration NA 1.4 metres per second To second silo ventilation event Concentration NA 1.4 metres per second To second silo ventilation event Concentration NA 1.4 metres per second secon		Single silo ventilation event												
31/05/2023 Second silo ventilation event Concentration NA metres per second no grams per second second no grams per second no second no second no second no metres per second no no second no seco	24/22/22	And Inc.	47		n/2	Ne		Concentration	NA	6.4206	8		_	no
Second silo ventilation event Concentration NA - grams per second		wethyl brofflide	A/	12:00	II/d	NU	r. Newton	Velocity	1.53	NA	1.4		5	no
Concentration NA - second	31/05/2023	Second silo ventilation event												
No discharge occurred								Concentration	NA		-			
Velocity NA - metres per second		No discharge occurred						Velocity		NA	-	metres per	-	

C. GrainCorp - Port Kembla water monitoring data summary: May 2023

The concentration of each pollutant specified below has been determined using the required sampling method, units of measure and sample frequency specified in the EPL. Water parameters and water samples are collected by suitably qualified staff and, where required, water samples are analysed at a NATA accredited laboratory.

Monitoring frequency: Single sample each day during any discharge (i.e. daily)

Number of water release events during month: 3

Monitoring Point Location: Point 1

			Result		Limit		
Number of times measured/sampled during month	Pollutant (discharge to water)	Min. value	Max. value	Visible or not visible?	100 percentile (allowable)	Units of measure	Exceedance (yes/no)
	Oil and Grease	NA	NA	Not visible	Not visible	Visible	no
3	pH	6.83	7.91		6.5-8.5	рН	no
3	Total suspended solids	<5	10	NA	50	mg/L	no
	Turbidity	3.66	12		40	NTU	no

Sampling Event details							
Sampling date	Sampler	Lab report date	Lab report ID				
2/05/2023	B Loke	8/05/2023	EW2302010				
15/05/2023	D Jackson	23/05/2023	EW2302295				
17/05/2023	Brett	25/05/2023	EW2302294				

Unit of Measure Abbreviation	Unit of Measure
mg/L	milligrams per litre
рН	pH
Visible	Visible
NTU	nephelometric turbidity units