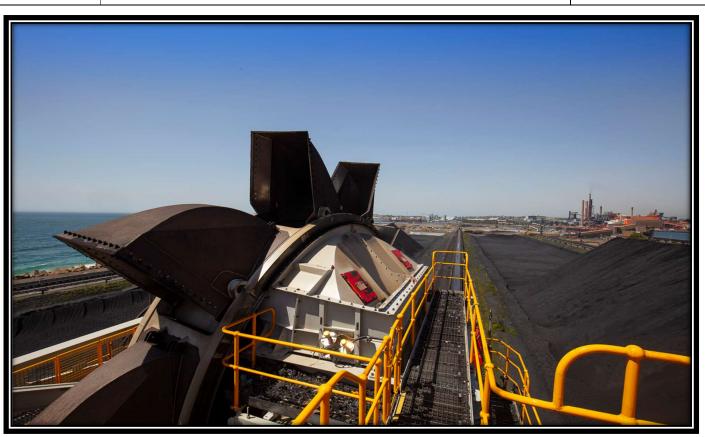


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Licencee:	Port Kembla Coal Terminal Limited
Environment Protection Licence:	1625
Licence URL:	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106587&SYSUID=1&LICID=1625
PKCT EPA Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=1625&id=1625&option=licence&searchrange=general⦥=POEO
	licence&prp=no&status=Issued
Location:	Port Kembla Road, Port Kembla Inner Harbour, Wollongong
Postal Address:	PO Box 823, Wollongong East 2502

Environment Protection Licence 1625 Monthly Report: December 2022







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E		SITES- INDUSTRIAL					С	alenda	r Year 2	022										
	Monthly Analysis	MONTH	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22					Annual average: grams	s per square metre.month
EPL No.	Location Gauge Number	analysis: grams/square metre.month													Samples collected	MIN	MEAN	мах	rolling 12 month average	PKCT assessment criteria
1	P1	Insoluble Solids													0	0.0	#DIV/0!	0.0		
	25m South	Ash													0	0.0	#DIV/0!	0.0		
	BPB Coal Berth	Combustible Matter													0	0.0	#DIV/0!	0.0		
2	P2	Insoluble Solids													0	0.0	#DIV/0!	0.0		
	40m South of	Ash													0	0.0	#DIV/0!	0.0		
	BPB Stockyard	Combustible Matter													0	0.0	#DIV/0!	0.0		
3	P3	Insoluble Solids	14.7	7.6	11.9	9.9	26.2	57.4	14.4	13.5	9.2	13.0	21.6	8.4	12	7.6	17.3	57.4	17.3	15.0
	40m East of	Ash	11.5	5.9	1.9	7.8	22.5	51.2	11.5	10.2	7.1	10.5	17.9	6.4	12	1.9	13.7	51.2		
	BPB Stockyard	Combustible Matter	3.2	1.7	2.8	2.1	3.7	6.2	2.9	3.3	21.0	2.5	3.7	2.0	12	1.7	4.6	21.0	4.6	12.0
4	P4	Insoluble Solids	3.8	3.8	3.7	4.1	5.7	6.5	3.7	4.3	3.2	2.6	11.2	3.8	12	2.6	4.7	11.2	4.7	15.0
	40m East Coal Berth	Ash	2.0	2.2	2.2	2.4	3.0	3.2	2.2	2.3	1.5	1.0	3.2	2.0	12	1.0	2.3	3.2		
	Stockyard	Combustible Matter	1.8	1.6	1.5	1.7	2.7	3.3	1.5	2.0	1.7	1.6	8.0	1.8	12	1.5	2.4	8.0	2.4	12.0
5	P5	Insoluble Solids	6.5	8.8	5.4	7.2	4.5	6.1	5.2	8.5	7.5	13.2	6.0	7.8	12	4.5	7.2	13.2	7.2	15.0
	Northern Pond	Ash	2.3	3.0	2.1	2.9	2.0	2.2	2.1	2.4	3.3	5.3	2.2	2.0	12	2.0	2.7	5.3		
	(No.1)	Combustible Matter	4.2	5.8	3.3	4.3	2.5	3.9	3.1	6.1	4.2	7.9	3.8	5.8	12	2.5	4.6	7.9	4.6	12.0
6	P6	Insoluble Solids	6.7	5.5	4.6	7.7	20.7	9.2	6.7	8.4	5.7	4.5	6.6	4.4	12	4.4	7.6	20.7	7.6	15.0
	40m West Coal Berth		3.6	2.4	2.2	3.5	5.0	3.7	3.0	4.3	2.1	1.3	2.4	1.9	12	1.3	3.0	5.0		
	Stockyard	Combustible Matter	3.1	3.1	2.4	4.2	15.7	5.5	3.7	4.1	3.6	3.2	4.2	2.5	12	2.4	4.6	15.7	4.6	12.0
7	P7	Insoluble Solids	8.4	7.1	10.9	2.0	2.5	6.5	10.0	8.0	4.5	2.3	11.1	27.4	12	2.0	8.4	27.4	8.4	15.0
	260m West No.2	Ash	5.1	3.5	8.1	1.5	1.3	5.0	7.3	5.1	2.3	1.0	8.9	23.7	12	1.0	6.1	23.7		
	Coalberth	Combustible Matter	3.3	3.6	2.8	0.5	1.2	1.5	2.7	2.9	2.2	1.3	2.2	3.7	12	0.5	2.3	3.7	2.3	12.0
8	P8	Insoluble Solids	7.3	4.4	3.6	13.9	9.0	22.5	5.5	8.9	8.9	11.0	20.6	8.3	12	3.6	10.3	22.5	10.3	15.0
	PKCT North	Ash	2.6	1.6	1.3	4.1	4.1	4.9	2.1	2.9	1.9	2.4	4.2	2.2	12	1.3	2.9	4.9		
	Truckwash	Combustible Matter	4.7	2.8	2.3	9.8	4.9	17.6	3.4	6.0	7.0	8.6	16.4	6.1	12	2.3	7.5	17.6	7.5	12.0
9	P9	Insoluble Solids	3.6	2.9	0.7	4.6	5.5	3.5	2.0	3.8	4.0	5.0	5.0	4.3	12	0.7	3.7	5.5	3.7	6.0
	Wollongong	Ash	1.7	1.5	0.4	2.6	4.3	2.0	1.1	2.0	1.1	0.9	1.9	1.8	12	0.4	1.8	4.3		
	Wastewater TP.	Combustible Matter	1.9	1.4	0.3	2.0	1.2	1.5	0.9	1.8	2.9	4.1	3.1	2.5	12	0.3	2.0	4.1	2.0	4.0
15	P10	Insoluble Solids	14.8	7.2	6.0	8.6	0.4	14.0	6.5	10.0	5.5	6.4	6.9	7.5	12	0.4	7.8	14.8	7.8	15.0
	North of PKCT	Ash	4.8	4.0	2.6	5.2	0.3	6.3	4.2	5.3	2.5	2.3	2.7	4.1	12	0.3	3.7	6.3		
	Planning Office	Combustible Matter	1.9	3.2	3.4	3.4	0.1	7.7	2.3	4.7	3.0	4.1	4.2	3.4	12	0.1	3.5	7.7	3.5	12.0
17	P11	Insoluble Solids	14.8	4.0	0.7	10.8	5.5	4.2	3.4	7.1	5.8	4.3	4.3	3.9	12	0.7	5.7	14.8	5.7	6.0
	Entry Gate BlueScope		4.8	3.3	0.6	8.5	4.3	3.3	2.5	5.7	4.4	3.4	3.2	3.1	12	0.6	3.9	8.5		
	RO.RO Berth (109)	Combustible Matter	10.0	0.7	0.1	2.3	4.9	0.9	0.9	1.4	1.4	0.9	1.1	0.8	12	0.1	2.1	10.0	2.1	4.0
		11 12 1 21 MM / 1 1 1 2 2									ORT: CO									
		limits in the EPL for industrial mor				<u> </u>						ssess agains	st actual resu	its to facilit	ate perforn	nance imp	rovement.			
	AMPLE PERIOD	Date Sampled	Date	Results Ob			ate Publishe	a		TARY ON R	-	0.1.1.1	004							
	January 2022	7/01/2022		20/02/2022			28/02/2022				liers from Ju									
	February 2022	4/02/2022		23/03/2022			23/03/2022				liers from Ju									
	March 2022	10/03/2022		27/04/2022			2/05/2022		P7 result is due to outliers from June & July 2021 due to excessive grain dust											
	April 2022	5/04/2022	-	17/05/2022			18/05/2022		P7 result is due to outliers from June & July 2021 due to excessive grain dust P7 result is due to outliers from June & July 2021 due to excessive grain dust											
	May 2022	6/05/2022 4/06/2022	-	23/06/2022			24/06/2022				liers from Ju liers from Ju									
	June 2022	4/06/2022 4/07/2022	-	15/07/2022			22/08/2022				liers from Ju liers from Ju	,			0					
	July 2022	5/08/2022	+	20/09/2022			27/09/2022				liers from Ju									
	August 2022 September 2022	5/08/2022	+	26/10/2022			26/10/2022				liers from Ju									
	October 2022	7/10/2022	+	28/11/2022			29/11/2022				liers from Ju									
	November 2022	9/11/2022	1	21/12/2022			29/11/2022													
	December 2022	10/12/2022	-	30/01/2023			30/01/2023													
	December 2022	10/12/2022		00/01/2020		I	30/01/2023 P7 result is due to outliers from June & July 2021 due to excessive grain dust													

Environment Protection Licence 1625 Monthly Report: December 2022



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EPL	MONITORIN	G SITES- RESIDENTIAL				·	Ca	alendar	Year 2	022			·	-	Mo	nthly Ar	nalysis		annual average:	grams per square
		MONTH	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	1	-	-			.month
EPL	Location	Analysis: grams/square				<u> </u>									No. samples				rolling 12 month	PKCT assessment
No.	Gauge Number	metre.month													collected	MIN	MEAN	MAX	average	criteria
12	R1	Insoluble Solids	1.2	1.0	0.5	0.7	0.4	0.7	0.5	0.8	0.6	1.1	1.1	1.1	12	0.4	0.8	1.2	0.7	4.0
	157 Church St	Ash	0.8	0.6	0.4	0.4	0.3	0.4	0.2	0.5	0.3	0.4	0.7	0.7	12	0.2	0.5	0.8		
	Wollongong	Combustible Matter	0.4	0.4	0.1	0.3	0.1	0.3	0.3	0.3	0.3	0.7	0.4	0.4	12	0.1	0.3	0.7	0.3	2.0
19		Insoluble Solids	2.2	1.3	1.0	0.9	0.4	2.2	1.0 0.4	1.0	0.5	0.6	1.6	1.7	12	0.4	1.2	2.2	1.3	4.0
	Vikings Oval	Ash Combustible Matter	1.0 1.2	0.8	0.3	0.4	0.2	0.7	0.4	0.5	0.2	0.2	0.5	0.6	12 12	0.2	0.5	1.0	0.7	2.0
ТВА	Wollongong	Insoluble Solids	2.0	0.5 9.2	9.7	0.5	6.6	0.7	1.1	1.8	3.5	2.6	1.1 1.2	5.4	12	0.2	3.8	9.7	4.3	4.0
IDA	Ross Street	Ash	1.3	9.2 2.5	9.7 1.3	1.0	2.0	0.7	0.7	1.0	1.0	0.9	0.7	3.3	12	0.7	3.0 1.4	9.7 3.3	4.3	4.0
	Wollongong	Combustible Matter	0.7	6.7	8.4	0.8	4.6	0.0	0.4	0.7	2.5	1.7	0.7	2.1	12	0.0	2.4	8.4	3.0	2.0
	5 5															-				
							MONTHL	Y REPOR	RT: CON	IMENTA	RY ON R	ESULTS	;							
Note :	: Assessment crite	ria is based on an EPA guideline of	annual av	erage of 4	grams p	er square	metre per r	month for	residentia	l areas. PK	CT has add	pted a lev	el of 2 gra	ms per sau	are metre for	combus	tible ma	tter for	assessment purpose	s.
	MPLE PERIOD	Date Sampled		lesults Ob	÷ .	· · ·	ate Publish		COMMEN				0							
	January 2022	7/01/2022	2	20/02/2022	2		28/02/2022	2	All sites v	vithin asse	essment c	riteria.								
	February 2022	ary 2022 4/02/2022		23/03/2022	2		23/03/2022	2	All sites v	vithin asse	essment c	riteria.								
									All sites v	vithin asse	essment c	riteria exc	ept R3 at	2.7 (12 m	onth average)). Site "I	R3" had	very hi	gh levels (95%) of p	olysaccharide
	March 2022	10/03/2022	27/04/2022						slime and vegetation matter causing the higher than normal measurement in the gauge, there have been several (5) similar results across the 12 month period causing the average to be high. Polysaccharide slime is associated with organic matter.											
									across th	ie 12 mont	th period o	ausing the	e average	to be high	n. Polysaccha	ride slir	me is as	sociate	ed with organic matt	er.
									All sites within assessment criteria except R3 at 2.7 (12 month average). Site "R3" had very high levels (95%) of polysaccharide slime and vegetation matter causing the higher than normal measurement in the gauge, there have been several (5) similar results											
April 2022 5/04/2022 17/		7/05/2022	2		18/05/2022	2		0		0	0				0 0		,	,		
									across th	ie 12 mont	th period o	ausing the	e average	to be high	n. Polysaccha	iride slir	ne is as	sociate	ed with organic matt	er.
														· ·	0,				gh levels (95%) of p	
	May 2022	6/05/2022	2	23/06/2022	2		24/06/2022	2		•		•	•						have been several (,
													•						ed with organic matt	
					_			_						•	• •				gh levels (95%) of p	•
	June 2022	4/06/2022	1	5/07/2022	2		15/07/2022	2		0		0	0				0 0		have been several (,
												· ·	· ·						d with organic matt	
		4/07/2022		7/00/000	`		22/08/2022	.						· ·	0,				gh levels (95%) of p	
	July 2022	4/07/2022		7/08/2022	2		22/08/2022	2											have been several (ed with organic matt	
												•								
	August 2022	5/08/2022	2	20/09/2022	2		27/09/2022	2											gh levels (95%) of p have been several (
	August 2022	3/08/2022		-0/03/2022	<u>-</u>		21103/2022	2											d with organic matt	
												U	U	Ŭ	,				gh levels (95%) of p	
	eptember 2022	5/09/2022	2	26/10/2022	>		26/10/2022	2						•	• •					•
	eptember 2022	0,00,2022	-	0/10/2022	-		20/10/2021	2022 slime and vegetation matter causing the higher than normal measurement in the gauge, there have been seve across the 12 month period causing the average to be high. Polysaccharide slime is associated with organic r												
												· ·		· · ·					gh levels (95%) of p	
	October 2022	7/10/2022	2	28/11/2022	2		29/11/2022	2						· ·	0,				have been several (
																			ed with organic matt	
																			gh levels (95%) of p	
	ovember 2022	9/11/2022	2	21/12/2022	2/2022 22/12/2022		2	slime and vegetation matter causing the higher than normal measurement in the gauge, there have been several (5) similar results												
																			ed with organic matt	
									All sites within assessment criteria except R3 at 2.7 (12 month average). Site "R3" had very high levels (95%) of polysaccharide slime and vegetation matter causing the higher than normal measurement in the gauge, there have been several (5) similar results											
	ecember 2022	10/12/2022	3	80/01/2023	3		30/01/2023	3		•		•	•							,
		1							across th	e 12 mont	th period c	ausing the	e averade	to be hiał	<u>ı. Polvsaccha</u>	ride slir	ne is as	sociate	ed with organic matt	er.

Environment Protection Licence 1625 Monthly Report: December 2022



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		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	ITORING: Licenced Discharge POINT 16
Environment P	Protection Lice	nce: 1625	water q	uality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	y		pН	monitoring only	
Frequency: dail	y grab sample w	vhen discharging		spended solids (mg/L)	less than 50	
				il/ grease rams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	Commentary on Results
6/01/2022	20/01/2022	28/02/2022	6.7	<5	not visible	EPL compliant
7/01/2022	20/01/2022	28/02/2022	6.8	<5	not visible	EPL compliant
8/01/2022	20/01/2022	28/02/2022	7.7	<5	not visible	EPL compliant
9/01/2022	20/01/2022	28/02/2022	7.6	<5	not visible	EPL compliant
10/01/2022	20/01/2022	28/02/2022	7.2	9	not visible	EPL compliant
13/01/2022	20/01/2022	28/02/2022	6.9	<5	not visible	EPL compliant
14/01/2022	20/01/2022	28/02/2022	7.5	5	not visible	EPL compliant
15/01/2022	20/01/2022	28/02/2022	7.5	<5	not visible	EPL compliant
16/01/2022	20/01/2022	28/02/2022	7.5	16	not visible	EPL compliant
17/01/2022	20/01/2022	28/02/2022	6.3	7	not visible	EPL compliant
18/01/2022	20/01/2022	28/02/2022	6.6	<5	not visible	EPL compliant
23/01/2022	20/01/2022	28/02/2022	7.4	<5	not visible	EPL compliant
24/01/2022	20/01/2022	28/02/2022	7.4	5	not visible	EPL compliant
* "Date Publish	ed" refers to this	s report.				



LTD.



		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	IITORING: Licenced Discharge POINT 16
Environment P	Protection Lice	nce: 1625	water q	uality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	ý		pН	monitoring only	
Frequency: dail	y grab sample w	/hen discharging	total su	spended solids (mg/L)	less than 50	
				vil/ grease grams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	Commentary on Results
5/02/2022	23/03/2022	23/03/2022	7.7	<5	not visible	EPL compliant
6/02/2022	23/03/2022	23/03/2022	8.2	<5	not visible	EPL compliant
8/02/2022	23/03/2022	23/03/2022	7.0	<5	not visible	EPL compliant
9/02/2022	23/03/2022	23/03/2022	7.5	<5	not visible	EPL compliant
10/02/2022	23/03/2022	23/03/2022	6.8	<5	not visible	EPL compliant
11/02/2022	23/03/2022	23/03/2022	7.5	<5	not visible	EPL compliant
12/02/2022	23/03/2022	23/03/2022	7.1	<5	not visible	EPL compliant
13/02/2022	23/03/2022	23/03/2022	7.1	<5	not visible	EPL compliant
14/02/2022	23/03/2022	23/03/2022	7.1	<5	not visible	EPL compliant
18/02/2022	23/03/2022	23/03/2022	7.4	<5	not visible	EPL compliant
19/02/2022	23/03/2022	23/03/2022	7.3	15	not visible	EPL compliant
20/02/2022	23/03/2022	23/03/2022	7.5	8	not visible	EPL compliant
21/02/2022	23/03/2022	23/03/2022	7.5	18	not visible	EPL compliant
22/02/2022	23/03/2022	23/03/2022	7.6	6	not visible	EPL compliant
23/02/2022	23/03/2022	23/03/2022	6.6	7	not visible	EPL compliant
24/02/2022	23/03/2022	23/03/2022	6.8	11	not visible	EPL compliant
25/02/2022	23/03/2022	23/03/2022	7.2	58	not visible	EPL compliant (Excessive rain event 104.6mm rain in 72 hour period)
26/02/2022	23/03/2022	23/03/2022	7.7	13	not visible	EPL compliant
27/02/2022	23/03/2022	23/03/2022	7.6	30	not visible	EPL compliant
* "Date Publish	ed" refers to this	report.				



LTD.



		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MO	NITORING: Licenced Discharge POINT 16
Environment P	rotection Lice	nce: 1625	water qu	uality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	y		pH	monitoring only	
Frequency: dail	y grab sample w	vhen discharging	total su	spended solids (mg/L)	less than 50	
				il/ grease Irams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	рН (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	Commentary on Results
1/03/2022	27/04/2022	2/05/2022	8.0	<5	<5	EPL compliant
2/03/2022	27/04/2022	2/05/2022	7.4	8	<5	EPL compliant
3/03/2022	27/04/2022	2/05/2022	7.5	<5	<5	EPL compliant
4/03/2022	27/04/2022	2/05/2022	7.0	7	<5	EPL compliant
5/03/2022	27/04/2022	2/05/2022	7.1	<5	<5	EPL compliant
6/03/2022	27/04/2022	2/05/2022	7.4	<5	<5	EPL compliant
7/03/2022	27/04/2022	2/05/2022	7.3	24	<5	EPL compliant
8/03/2022	27/04/2022	2/05/2022	7.6	46	<5	EPL compliant
9/03/2022	27/04/2022	2/05/2022	7.5	10	<5	EPL compliant
10/03/2022	27/04/2022	2/05/2022	7.5	<5	<5	EPL compliant
11/03/2022	27/04/2022	2/05/2022	7.8	<5	<5	EPL compliant
12/03/2022	27/04/2022	2/05/2022	8.0	<5	<5	EPL compliant
13/03/2022	27/04/2022	2/05/2022	7.9	<5	<5	EPL compliant
14/03/2022	27/04/2022	2/05/2022	8.1	<5	<5	EPL compliant
15/03/2022	27/04/2022	2/05/2022	8.0	<5	<5	EPL compliant
16/03/2022	27/04/2022	2/05/2022	7.9	<5	<5	EPL compliant
17/03/2022	27/04/2022	2/05/2022	7.9	<5	<5	EPL compliant
18/03/2022	27/04/2022	2/05/2022	7.8	<5	<5	EPL compliant
19/03/2022	27/04/2022	2/05/2022	7.8	25	<5	EPL compliant
20/03/2022	27/04/2022	2/05/2022	7.9	11	<5	EPL compliant
21/03/2022	27/04/2022	2/05/2022	8.0	<5	<5	EPL compliant
23/03/2022	27/04/2022	2/05/2022	8.2	<5	<5	EPL compliant
25/03/2022	27/04/2022	2/05/2022	7.9	5	<5	EPL compliant
26/03/2022	27/04/2022	2/05/2022	7.7	44	<5	EPL compliant
27/03/2022	27/04/2022	2/05/2022	7.8	59	<5	EPL compliant (Excessive rain event 96.2mm rain in 72 hour period)
28/03/2022	27/04/2022	2/05/2022	8.0	22	<5	EPL compliant
29/03/2022	27/04/2022	2/05/2022	7.5	6	<5	EPL compliant
30/03/2022	27/04/2022	2/05/2022	7.3	23	<5	EPL compliant
31/03/2022	27/04/2022	2/05/2022	7.4	<5	<5	EPL compliant
* "Date Publish	ed" refers to this	report.				

NB TSS (total suspended solids) - under EPL, a TSS water quality limit of 50mg/litre pertains. Exceedance of this limit is permitted when discharge occurs solely as a result of rainfall measured at the premises. For discharge to be considered to occur solely as a result of rainfall, the rainfall must exceed a 5 day rainfall depth value of 90 mm over a consecutive 5 day period.

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		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	IITORING: Licenced Discharge POINT 16
Environment P	rotection Licer	nce: 1625	water q	uality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	/		рН	monitoring only	7
Frequency: dail	y grab sample w	hen discharging	total su	spended solids (mg/L)	less than 50	
				il/ grease Irams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	pH total suspended solids (pH units) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results
1/04/2022	17/05/2022	18/05/2022	7.3	<5	<5	EPL compliant
2/04/2022	17/05/2022	18/05/2022	6.7	<5	<5	EPL compliant
3/04/2022	17/05/2022	18/05/2022	6.9	<5	<5	EPL compliant
4/04/2022	17/05/2022	18/05/2022	7.1	<5	<5	EPL compliant
5/04/2022	17/05/2022	18/05/2022	8.2	<5	<5	EPL compliant
6/04/2022	17/05/2022	18/05/2022	6.8	8	<5	EPL compliant
7/04/2022	17/05/2022	18/05/2022	6.8	40	<5	EPL compliant
8/04/2022	17/05/2022	18/05/2022	6.5	30	<5	EPL compliant
9/04/2022	17/05/2022	18/05/2022	6.8	17	<5	EPL compliant
10/04/2022	17/05/2022	18/05/2022	7.3	12	<5	EPL compliant
11/04/2022	17/05/2022	18/05/2022	8.0	11	<5	EPL compliant
12/04/2022	17/05/2022	18/05/2022	7.3	6	<5	EPL compliant
13/04/2022	17/05/2022	18/05/2022	7.1	<5	<5	EPL compliant
14/04/2022	17/05/2022	18/05/2022	6.9	6	<5	EPL compliant
15/04/2022	17/05/2022	18/05/2022	7.4	<5	<5	EPL compliant
16/04/2022	17/05/2022	18/05/2022	7.6	<5	<5	EPL compliant
17/04/2022	17/05/2022	18/05/2022	7.4	<5	<5	EPL compliant
18/04/2022	17/05/2022	18/05/2022	7.5	<5	<5	EPL compliant
19/04/2022	17/05/2022	18/05/2022	7.0	<5	<5	EPL compliant
20/04/2022	17/05/2022	18/05/2022	7.9	<5	<5	EPL compliant
21/04/2022	17/05/2022	18/05/2022	7.3	<5	<5	EPL compliant
22/04/2022	17/05/2022	18/05/2022	7.4	<5	<5	EPL compliant
23/04/2022	17/05/2022	18/05/2022	7.4	<5	<5	EPL compliant
24/04/2022	17/05/2022	18/05/2022	7.6	7	<5	EPL compliant
25/04/2022	17/05/2022	18/05/2022	7.2	<5	<5	EPL compliant
26/04/2022	17/05/2022	18/05/2022	7.2	<5	<5	EPL compliant
27/04/2022	17/05/2022	18/05/2022	7.5	5	<5	EPL compliant
28/04/2022	17/05/2022	18/05/2022	8.2	8	<5	EPL compliant
* "Date Publish	ed" refers to this	report.				

NB TSS (total suspended solids) - under EPL, a TSS water quality limit of 50mg/litre pertains. Exceedance of this limit is permitted when discharge occurs solely as a result of rainfall measured at the premises. For discharge to be considered to occur solely as a result of rainfall, the rainfall must exceed a 5 day rainfall depth value of 90 mm over a consecutive 5 day period.

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		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	NITORING: Licenced Discharge POINT 16
Environment P	rotection Licer	nce: 1625	water q	uality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	y		pН	monitoring only	
Frequency: dail	y grab sample w	/hen discharging	total su	spended solids (mg/L)	less than 50	
				il/ grease rams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	pH total suspended solids (pH units) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results
1/05/2022	17/05/2022	18/05/2022	7.7	7	<5	EPL compliant
10/05/2022	17/05/2022	18/05/2022	6.9	16	<5	EPL compliant
11/05/2022	17/05/2022	18/05/2022	7.8	<5	<5	EPL compliant
12/05/2022	17/05/2022	18/05/2022	7.6	16	<5	EPL compliant
13/05/2022	17/05/2022	18/05/2022	6.9	23	<5	EPL compliant
14/05/2022	17/05/2022	18/05/2022	7.2	11	<5	EPL compliant
15/05/2022	17/05/2022	18/05/2022	7.1	16	<5	EPL compliant
16/05/2022	17/05/2022	18/05/2022	7.3	12	<5	EPL compliant
17/05/2022	17/05/2022	18/05/2022	7.8	7	<5	EPL compliant
20/05/2022	17/05/2022	18/05/2022	8.2	<5	<5	EPL compliant
21/05/2022	17/05/2022	18/05/2022	7.8	<5	<5	EPL compliant
22/05/2022	17/05/2022	18/05/2022	7.7	12	<5	EPL compliant
23/05/2022	17/05/2022	18/05/2022	7.3	49	<5	EPL compliant
24/05/2022	17/05/2022	18/05/2022	7.1	9	<5	EPL compliant
25/05/2022	17/05/2022	18/05/2022	7.2	8	<5	EPL compliant
26/05/2022	17/05/2022	18/05/2022	7.5	14	<5	EPL compliant
27/05/2022	17/05/2022	18/05/2022	7.8	<5	<5	EPL compliant
28/05/2022	17/05/2022	18/05/2022	6.7	<5	<5	EPL compliant
29/05/2022	17/05/2022	18/05/2022	6.9	<5	<5	EPL compliant
30/05/2022	17/05/2022	18/05/2022	7.0	<5	<5	EPL compliant
31/05/2022	17/05/2022	18/05/2022	7.1	<5	<5	EPL compliant
* "Date Publish	ed" refers to this	report.				

NB TSS (total suspended solids) - under EPL, a TSS water quality limit of 50mg/litre pertains. Exceedance of this limit is permitted when discharge occurs solely as a result of rainfall measured at the premises. For discharge to be considered to occur solely as a result of rainfall, the rainfall must exceed a 5 day rainfall depth value of 90 mm over a consecutive 5 day period.

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		SETTLEMENT	LAGOONOVE	RFLOW ENMRONME	NT PROTECTION LICENCE MON	NTORING: Licenced Discharge POINT 16
Environment P	rotection Licer	nce: 1625	water q	ality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	y		pН	manitaring anly	7
Frequency. daily	ygnabsamplev	hen discharging	total su	spended solids (mg/L)	less than 50	
				il/ greæse rams per litre)	ndt visible	
Sample Date	Date Results Obtained	Date Published	pH total suspended solids (pHunits) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results
1/06/2022	15/07/2022	15/07/2022	7.0	<5	\$	EPL compliant
3/06/2022	15/07/2022	15/07/2022	7.0	<5	<5	EPL compliant
4/06/2022	15/07/2022	15/07/2022	7.2	6	<5	EPL compliant
5/06/2022	15/07/2022	15/07/2022	7.7	<5	<5	EPL compliant
6/06/2022	15/07/2022	15/07/2022	8.0	15	<5	EPL compliant
11/06/2022	15/07/2022	15/07/2022	6.6	<5	<5	EPL compliant
12/06/2022	15/07/2022	15/07/2022	6.9	<5	<5	EPL compliant
17/06/2022	15/07/2022	15/07/2022	7.1	8	<5	EPL compliant
17/06/2022	15/07/2022	15/07/2022	7.3	<5	<5	EPL compliant
19/06/2022	15/07/2022	15/07/2022	7.5	<5	<5	EPL compliant
20/06/2022	15/07/2022	15/07/2022	7.6	<5	<5	EPL compliant
21/06/2022	15/07/2022	15/07/2022	8.2	6	<5	EPL compliant
22/06/2022	15/07/2022	15/07/2022	8.2	6	<5	EPL compliant
* "Date Publish	ed" refers to this	report.				



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		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	NITORING: Licenced Discharge POINT 16					
Environment P	Protection Lice			uality parameter	EPL Limit (100 percentile)						
Type of Monitori	ng: water qualit	y		pH	monitoring only						
Frequency: dail	y grab sample v	vhen discharging	total su	spended solids (mg/L)	less than 50						
				il/ grease grams per litre)	not visible						
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	Commentary on Results					
1/07/2022	17/08/2022	22/08/2022	7.1	<5	<5	EPL compliant					
2/07/2022	17/08/2022	22/08/2022	7.1	110	<5	EPL compliant					
3/07/2022	17/08/2022	22/08/2022	7.2	15	<5	EPL compliant					
4/07/2022	17/08/2022	22/08/2022	7.1	5	<5	EPL compliant					
5/07/2022	17/08/2022	22/08/2022	6.9	12	<5	EPL compliant					
6/07/2022	17/08/2022	22/08/2022	7.8	8	<5	EPL compliant					
7/07/2022	17/08/2022	22/08/2022	7.3	<5	<5	EPL compliant					
8/07/2022	17/08/2022	22/08/2022	7.9	<5	<5	EPL compliant					
9/07/2022	17/08/2022	22/08/2022	7.7	<5	<5	EPL compliant					
10/07/2022	17/08/2022	22/08/2022	8.1	<5	<5	EPL compliant					
11/07/2022	17/08/2022	22/08/2022	7.5	<5	<5	EPL compliant					
12/07/2022	17/08/2022	22/08/2022	7.8	<5	<5	EPL compliant					
13/07/2022	17/08/2022	22/08/2022	7.8	6	<5	EPL compliant					
14/07/2022	17/08/2022	22/08/2022	8.1	6	<5	EPL compliant					
15/07/2022	17/08/2022	22/08/2022	7.5	<5	<5	EPL compliant					
16/07/2022	17/08/2022	22/08/2022	7.8	<5	<5	EPL compliant					
18/07/2022	17/08/2022	22/08/2022	7.9	<5	<5	EPL compliant					
17/07/2022	17/08/2022	22/08/2022	7.7	<5	<5	EPL compliant					
19/07/2022	17/08/2022	22/08/2022	8.0	<5	<5	EPL compliant					
20/07/2022	17/08/2022	22/08/2022	8.1	<5	<5	EPL compliant					
21/07/2022	17/08/2022	22/08/2022	7.9	10	<5	EPL compliant					
22/07/2022	17/08/2022	22/08/2022	8.1	<5	<5	EPL compliant					
23/07/2022	17/08/2022	22/08/2022	8.1	<5	<5	EPL compliant					
24/07/2022	17/08/2022	22/08/2022	8.1	<5	<5	EPL compliant					
25/072022	17/08/2022	22/08/2022	8.1	<5	<5	EPL compliant					
26/07/2022	17/08/2022	22/08/2022	8.0	<5	<5	EPL compliant					
27/07/2022	17/08/2022	22/08/2022	7.9	<5	<5	EPL compliant					
29/07/2022	17/08/2022	22/08/2022	7.1	<5	<5	EPL compliant					
30/07/2022	17/08/2022	22/08/2022	7.9	<5	<5	EPL compliant					
* "Date Publish	ed" refers to this	s report.									
	"Date Published" refers to this report.										







		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	IITORING: Licenced Discharge POINT 16
Environment P	rotection Lice	nce: 1625	water qu	ality parameter	EPL Limit (100 percentile)	
Type of Monitorir	ng: water quality	y l		pН	monitoring only	1
Frequency: dail	/ grab sample w	/hen discharging	total su	spended solids (mg/L)	less than 50	
				il/ grease rams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	pH total suspended solids (pH units) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results
2/08/2022	20/09/2022	27/09/2022	8.1	<5	<5	EPL compliant
3/08/2022	20/09/2022	27/09/2022	7.5	<5	<5	EPL compliant
4/08/2022	20/09/2022	27/09/2022	8.0	<5	<5	EPL compliant
11/08/2022	20/09/2022	27/09/2022	8.4	17	<5	EPL compliant
12/08/2022	20/09/2022	27/09/2022	8.5	<5	<5	EPL compliant
13/08/2022	20/09/2022	27/09/2022	7.8	<5	<5	EPL compliant
14/08/2022	20/09/2022	27/09/2022	8.6	<5	<5	EPL compliant
19/08/2022	20/09/2022	27/09/2022	8.2	<5	<5	EPL compliant
20/08/2022	20/09/2022	27/09/2022	8.6	<5	<5	EPL compliant
24/08/2022	20/09/2022	27/09/2022	8.2	6	<5	EPL compliant
25/08/2022	20/09/2022	27/09/2022	7.8	7	<5	EPL compliant
30/08/2022	20/09/2022	27/09/2022	8.3	<5	<5	EPL compliant
31/08/2022	20/09/2022	27/09/2022	8.4	7	<5	EPL compliant
* "Date Publishe	ed" refers to this	report.				



LTD.



		SETTLEMENT	LAGOON OVE	RFLOW: ENVIRONME	NT PROTECTION LICENCE MON	NITORING: Licenced Discharge POINT 16
Environment P	Protection Lice	nce: 1625	water q	uality parameter	EPL Limit (100 percentile)	
Type of Monitori	ng: water quality	/		pH	monitoring only	7
Frequency: dail	y grab sample w	/hen discharging	total su	spended solids (mg/L)	less than 50	
				il/ grease jrams per litre)	not visible	
Sample Date	Date Results Obtained	Date Published	pH total suspended solids (pH units) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results
1/09/2022	26/10/2022	26/10/2022	8.0	5	<5	EPL compliant
2/09/2022	26/10/2022	26/10/2022	8.1	6	<5	EPL compliant
3/09/2022	26/10/2022	26/10/2022	7.9	<5	<5	EPL compliant
4/09/2022	26/10/2022	26/10/2022	7.9	<5	<5	EPL compliant
5/09/2022	26/10/2022	26/10/2022	7.8	<5	<5	EPL compliant
6/09/2022	26/10/2022	26/10/2022	8.0	<5	<5	EPL compliant
7/09/2022	26/10/2022	26/10/2022	7.4	12	<5	EPL compliant
8/09/2022	26/10/2022	26/10/2022	7.1	5	<5	EPL compliant
9/09/2022	26/10/2022	26/10/2022	8.2	<5	<5	EPL compliant
11/09/2022	26/10/2022	26/10/2022	7.9	<5	<5	EPL compliant
12/09/2022	26/10/2022	26/10/2022	7.9	<5	<5	EPL compliant
13/09/2022	26/10/2022	26/10/2022	7.7	<5	<5	EPL compliant
15/09/2022	26/10/2022	26/10/2022	7.6	<5	<5	EPL compliant
16/09/2022	26/10/2022	26/10/2022	7.9	<5	<5	EPL compliant
19/09/2022	26/10/2022	26/10/2022	7.8	6	<5	EPL compliant
23/09/2022	26/10/2022	26/10/2022	8.3	<5	<5	EPL compliant
24/09/2022	26/10/2022	26/10/2022	8.3	8	<5	EPL compliant
25/09/2022	26/10/2022	26/10/2022	8.0	9	<5	EPL compliant
26/09/2022	26/10/2022	26/10/2022	8.6	9	<5	EPL compliant
27/09/2022	26/10/2022	26/10/2022	8.6	7	<5	EPL compliant
28/09/2022	26/10/2022	26/10/2022	7.9	7	<5	EPL compliant
29/09/2022	26/10/2022	26/10/2022	7.6	10	<5	EPL compliant
30/09/2022	26/10/2022	26/10/2022	7.6	10	<5	EPL compliant
* "Date Publish	ed" refers to this	report.				



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SETTLEMENT LAGOON OVERFLOW: ENVIRONMENT PROTECTION LICENCE MONITORING: Licenced Discharge POINT 16										
Environment P	Protection Lice	nce: 1625	water quality parameter		EPL Limit (100 percentile)					
Type of Monitori	ng: water quality	/	pH		monitoring only					
Frequency: daily grab sample when discharging			total suspended solids (mg/L)		less than 50					
			oil/ grease (milligrams per litre)		not visible					
Sample Date	Date Results Obtained Date Published		pH total suspended solids (pH units) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results				
1/10/2022	28/11/2022	29/11/2022	7.7	<5	<5	EPL compliant				
2/10/2022	28/11/2022	29/11/2022	7.8	<5	<5	EPL compliant				
3/10/2022	28/11/2022	29/11/2022	7.7	<5	<5	EPL compliant				
4/10/2022	28/11/2022	29/11/2022	7.8	<5	<5	EPL compliant				
5/10/2022	28/11/2022	29/11/2022	7.5	6	<5	EPL compliant				
6/10/2022	28/11/2022	29/11/2022	7.6	<5	<5	EPL compliant				
9/10/2022	28/11/2022	29/11/2022	6.7	19	<5	EPL compliant				
8/10/2022	28/11/2022	29/11/2022	6.9	6	<5	EPL compliant				
7/10/2022	28/11/2022	29/11/2022	7.1	12	<5	EPL compliant				
10/10/2022	28/11/2022	29/11/2022	8.0	8	<5	EPL compliant				
11/10/2022	28/11/2022	29/11/2022	7.4	6	<5	EPL compliant				
12/10/2022	28/11/2022	29/11/2022	7.3	<5	<5	EPL compliant				
13/10/2022	28/11/2022	29/11/2022	7.8	<5	<5	EPL compliant				
14/10/2022	28/11/2022	29/11/2022	7.7	<5	<5	EPL compliant				
16/10/2022	28/11/2022	29/11/2022	7.7	<5	<5	EPL compliant				
15/10/2022	28/11/2022	29/11/2022	7.0	<5	<5	EPL compliant				
17/10/2022	28/11/2022	29/11/2022	7.3	<5	<5	EPL compliant				
18/10/2022	28/11/2022	29/11/2022	7.8	<5	<5	EPL compliant				
19/10/2022	28/11/2022	29/11/2022	8.1	<5	<5	EPL compliant				
20/10/2022	28/11/2022	29/11/2022	8.0	<5	<5	EPL compliant				
21/10/2022	28/11/2022	29/11/2022	7.8	<5	<5	EPL compliant				
22/10/2022	28/11/2022	29/11/2022	7.8	5	<5	EPL compliant				
23/10/2022	28/11/2022	29/11/2022	7.9	<5	<5	EPL compliant				
24/10/2022	28/11/2022	29/11/2022	7.9	<5	<5	EPL compliant				
25/10/2022	28/11/2022	29/11/2022	7.2	10	<5	EPL compliant				
26/10/2022	28/11/2022	29/11/2022	7.7	10	<5	EPL compliant				
27/10/2022	28/11/2022	29/11/2022	7.6	<5	<5	EPL compliant				
28/10/2022	28/11/2022	29/11/2022	7.1	<5	<5	EPL compliant				
29/10/2022	28/11/2022	29/11/2022	7.6	<5	<5	EPL compliant				
30/10/2022	28/11/2022	29/11/2022	7.7	<5	<5	EPL compliant				
31/10/2022	28/11/2022	29/11/2022	7.8	<5	<5	EPL compliant				





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Environment Pro Type of Monitoring		ice: 1625	wator a			SETTLEMENT LAGOON OVERFLOW: ENVIRONMENT PROTECTION LICENCE MONITORING: Licenced Discharge POINT 16										
Type of Monitoring	n. water quality		water qu	uality parameter	EPL Limit (100 percentile)											
	Type of Monitoring: water quality			рН	monitoring only											
Frequency: daily grab sample when discharging			total suspended solids (mg/L)		less than 50											
			oil/ grease (milligrams per litre)		not visible											
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	Commentary on Results										
6/11/2022	21/12/2022	22/12/2022	8.0	<5	<5	EPL compliant										
	21/12/2022	22/12/2022	7.9	<5	<5	EPL compliant										
11/11/2022	21/12/2022	22/12/2022	8.4	<5	<5	EPL compliant										
13/11/2022	21/12/2022	22/12/2022	8.3	6	<5	EPL compliant										
27/11/2022	21/12/2022	22/12/2022	8.8	<5	<5	EPL compliant										
28/11/2022	21/12/2022	22/12/2022	8.8	<5	<5	EPL compliant										
29/11/2022	21/12/2022	22/12/2022	8.4	9	<5	EPL compliant										



LTD.



	SETTLEMENT LAGOON OVERFLOW: ENVIRONMENT PROTECTION LICENCE MONITORING: Licenced Discharge POINT 16										
Environment P	rotection Licer	nce: 1625	water qu	uality parameter	EPL Limit (100 percentile)						
Type of Monitoring: water quality			pH		monitoring only						
Frequency: daily grab sample when discharging			total suspended solids (mg/L)		less than 50						
			oil/ grease (milligrams per litre)		not visible						
Sample Date	ample Date Date Results Obtained Date Published		pH total suspended solids (pH units) (milligrams per litre)		oil/ grease (milligrams per litre)	Commentary on Results					
4/12/2022	30/12/2023	30/12/2023	8.5	8	<5	EPL compliant					
2/12/2022	30/12/2023	30/12/2023	8.5	10	<5	EPL compliant					
3/12/2022	30/12/2023	30/12/2023	8.5	10	<5	EPL compliant					
6/12/2022	30/12/2023	30/12/2023	8.5	12	<5	EPL compliant					
6/12/2022	30/12/2023	30/12/2023	8.8	18	<5	EPL compliant					
8/12/2022	30/12/2023	30/12/2023	8.6	8	<5	EPL compliant					
9/12/2022	30/12/2023	30/12/2023	8.9	6	8	EPL compliant					
10/12/2022	30/12/2023	30/12/2023	8.4	10	<5	EPL compliant					
12/12/2022	30/12/2023	30/12/2023	8.8	6	6	EPL compliant					
13/12/2022	30/12/2023	30/12/2023	8.6	6	8	EPL compliant					
14/12/2022	30/12/2023	30/12/2023	8.2	<5	<5	EPL compliant					
18/12/2022	30/12/2023	30/12/2023	8.2	<5	<5	EPL compliant					
19/12/2022	30/12/2023	30/12/2023	8.1	<5	<5	EPL compliant					
20/12/2022	30/12/2023	30/12/2023	8.0	<5	<5	EPL compliant					
21/12/2022	30/12/2023	30/12/2023	7.5	6	<5	EPL compliant					
				· · ·		-					



LTD.



	2022 PKCT Sedimentation Pond Overflows - EPL 1625									
	Pon	ds location/na	mes: TS1 pond	: DP22, Central Pond: DP2	23, Tower 3 pond: DP24, S	South Pond: DP25, Worksh	op Pond DP26, Berth 102 DP27.			
Sample Location	Sample Date	Date Results Obtained	Date Results Published	pH (pH units) Criteria: Monitoring only	Total Suspended Solids (milligrams per litre) Criteria: Monitoring only	Oil/ Grease (milligrams per litre) Criteria: Monitoring only	Commentary on Results			
DP26 - WorkShop Pond	16/01/2021	20/02/2022	28/02/2022	6.11	6	not visible	Overflow of WorkShop Pond occurred after a storm / heavy rain (22.8mm) in a short period on the 16-1-22. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			
				No overflows f	rom any satellite ponds in	February 2022				
DP22 - TS1 Pond	6/03/2022	27/04/2022	2/05/2022	7.57	155	not visible	Overflow of TS1 Pond occurred after a heavy rain period (70.2mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			
DP26 - Workshop Pond	6/03/2022	27/04/2022	2/05/2022	8.71	<5	not visible	Overflow of Workshop Pond occurred after a heavy rain period (70.2mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			
DP22 - TS1 Pond	8/03/2022	27/04/2022	2/05/2022	7.72	52	not visible	Overflow of TS1 Pond occurred after a storm / heavy rain (98.4mm) in a short period on the 08-03-22. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			
DP23 - Central Pond	8/03/2022	27/04/2022	2/05/2022	7.66	145	not visible	Overflow of Central Pond occurred after a storm / heavy rain (98.4mm) in a short period on the 08-03-22. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			
DP26 - WorkShop Pond	8/03/2022	27/04/2022	2/05/2022	7.44	>5	not visible	Overflow of Workshop Pond occurred after a storm / heavy rain (98.4mm) in a short period on the 08-03-22. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			
DP22 - TS1 Pond	27/03/2022	27/04/2022	2/05/2022	7.91	50	not visible	Overflow of TS1 Pond occurred after a heavy rain period (96.2mm) in the 3 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.			

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DP22 - TS1 Pond	7/04/2022	17/05/2022	18/05/2022	6.58	402	nd visible	Overflow of TS1 Pond occurred after a heavy rain period (109.8mm) in the 3 day period leading up to the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.	
DP23 - Central Pond	7/04/2022	17/05/2022	18/05/2022	689	216	nd visible	Overflow of Central Pond occurred after a heavy rain period (109.8mm) in the 3 day period leading up to the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.	
DP26 - Workshap Pond	7/04/2022	17/05/2022	18/05/2022	6.55	15	nd visible	Overflow of Workshop Pond occurred after a heavy rain period (109.8mm) in the 3 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.	
No overflows fromany satellite ponds in May 2022								
No overflows from any satellite ponds in June 2022								



LTD.



DP22 - TS1 Pond	2/07/2022	17/08/2022	22/08/2022	9.75	1350	not visible	Overflow of TS1 Pond occurred after a heavy rain period (159.4mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.
DP23 - Central Pond	2/07/2022	17/08/2022	22/08/2022	9.13	692	not visible	Overflow of Central Pond occurred after a heavy rain period (159.4mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.
DP22 - TS1 Pond	3/07/2022	17/08/2022	22/08/2022	8.64	776	not visible	Overflow of TS1 Pond occurred after a heavy rain period (203.6mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.
DP23 - Central Pond	3/07/2022	17/08/2022	22/08/2022	8.56	170	not visible	Overflow of Central Pond occurred after a heavy rain period (203.6mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.
DP22 - TS1 Pond	5/07/2022	17/08/2022	22/08/2022	6.52	650	not visible	Overflow of TS1 Pond occurred after a heavy rain period (263.2mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.
DP23 - Central Pond	5/07/2022	17/08/2022	22/08/2022	5.45	72	not visible	Overflow of Central Pond occurred after a heavy rain period (263.2mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.
				No overflows	from any satellite ponds in	n August 2022	

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LTD.



DP22 - TS1 Pond	29/09/2022	26/10/2022	26/10/2022	7.39	140	not visible	Overflow of TS1 Pond occurred after a heavy rain period (91.6mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.		
DP23 - Central Pond	29/09/2022	26/10/2022	26/10/2022	7.13	202	not visible	Overflow of Central Pond occurred after a heavy rain period (91.6mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.		
DP26 - Workshop Pond	29/09/2022	26/10/2022	26/10/2022	6.69	>5	not visible	Overflow of Workshop Pond occurred after a heavy rain period (91.6mm) in the 5 day period leading upto the overflow. Pond sediment levels were below the required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.		
No overflows from any satellite ponds in October 2022									
No overflows from any satellite ponds in November 2022									
	No overflows from any satellite ponds in December 2022								



LTD.



PKCT Water Collection System Discharge Points





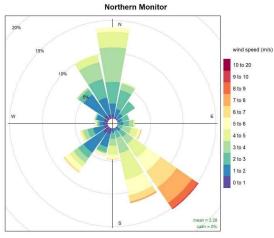
LTD.



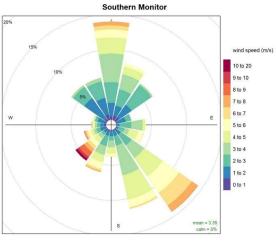
Wind Roses – December 2022

North Wind Rose

South Wind Rose



Frequency of counts by wind direction (%)

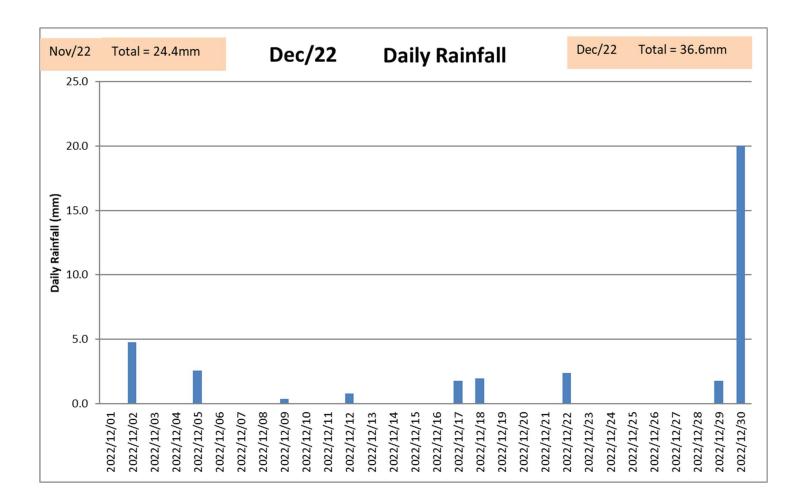


Frequency of counts by wind direction (%)





RAINFALL (PKCT site gauge)



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