

Tower Power Station
Licence Number: 5357
EDL CSM (NSW) PTY LTD
PO BOX 4046
Licence Holder: Eight Mile Pains 4113
Tower Call Seam Methane Power Station
Douglas Park Drive
License Address: Douglas Park NSW 2569
Montt: PT 2017-18
Continuous monitoring for ambient NOx, O3 (taken off site) and point source NO3 air emissions;
Spot sampling weekly during discharge for First Flush pH and, all and grease (0&G);
Frequency
Spot sampling monthly for Process Water Effluence O&G, ph;
Volume monitoring daily for waste water discharges.
Montoring

		Volume mor	nitoring daily i	or waste wa	ter discharg	tes.	Moniforing						1
							Frequency		Measurement			Exceedance	
onth	Location of monitoring point	Sampled	Obtained 11/08/17	Published 11/08/17	Pollutant NOx	Units ppb	(Licence) Continuous	Licence Limit	during month Continuous	Min Mear	n Max .4 235	(Yes/No)	
Jul-17	Point 10 - Ambient air and weather monitoring station		11/08/17	11/08/17	03	ppb	Continuous		Continuous	-3 1	.8 33		
	Point 11 - Air emissions monitoring		4/08/17	11/08/17	NOx	ppm	Continuous Weekly during	2132g/min	Continuous	<2132§	g/min	No	
			4/08/17	11/08/17	0&G	mg/L	any discharge Weekly during		1	No Vi	sual		
			4/08/17	11/08/17	рН		any discharge		1	6	.8		
	Point 8 - First Flush Effluent quality monitoring	26/07/17	26/07/17	11/08/17	TSS	mg/L	Not required		0				The First Flush samples were not collected as the storage pit
		26/07/17	26/07/17	11/08/17	Salinity	ppt	Not required		0				empty at the time of collection
		4/07/17	26/07/17	11/08/17		mg/L	Monthly		1	<			
		4/07/17 4/07/17	26/07/17 26/07/17	11/08/17 11/08/17		mg/L	Monthly Not required		1	7.4			
		4/07/17	26/07/17	11/08/17		mg/L	Not required		1	11	Į.		
Aug-17	Point 9 - Process Water Effluent quality monitoring	4/07/17	26/07/17 12/09/17			ppt ppb	Not required Continuous		1 Continuous	0.0	97 .7 297		
	Point 10 - Ambient air and weather monitoring station		12/09/17	12/09/17	03	ppb	Continuous		Continuous		2 40		
	Point 11 - Air emissions monitoring	_ _	30/08/17	12/09/17	NOx	ppm	Continuous Weekly during	2132g/min	Continuous	<2132g	g/min	No	
			30/08/17	12/09/17	0&G	mg/L	any discharge		1	No Vi	sual		
			30/08/17	12/09/17	рH		Weekly during any discharge		1	8.3	8		
		2/08/17	30/08/17	12/09/17		mg/L	Not required		1	1			
	Point 8 - First Flush Effluent quality monitoring	2/08/17	30/08/17	12/09/17		ppt	Not required		1	0.1			
		2/08/17 2/08/17	30/08/17 30/08/17	12/09/17 12/09/17		mg/L	Monthly Monthly		1	<			
		2/08/17	30/08/17	12/09/17	TDS	mg/L	Not required		1	12	0		
	Point 9 - Process Water Effluent quality monitoring	2/08/17	30/08/17 30/08/17	12/09/17		mg/L ppt	Not required Not required		1	7			
	I Sing 3 - Frocess water Enruent quality monitoring	2,00/1/	27/10/17	30/10/17		ppt	Continuous		Continuous	0.14			1
	Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring		27/10/17	30/10/17		ppb	Continuous	2122-1-1	Continuous	-2 2	4 57		1
	Point 11 - Air emissions monitoring		29/09/17	10/10/17		ppm	Continuous Weekly during	2132g/min	Continuous	<2132g	g/min	no	
			29/09/17	10/10/17	0&G	mg/L	any discharge Weekly during		0				
			29/09/17	10/10/17			any discharge		0				The First Flush samples were not collected as the storage pits empty at the time of collection
Sep-17		4/09/17	20/09/17	10/10/17		mg/L ppt	Not required		0			-	
	Point 8 - First Flush Effluent quality monitoring	4/09/17	20/09/17	10/10/17		mg/L	Monthly		1	<			
		4/09/17	20/09/17	10/10/17	pН		Monthly		1	7.8			
		4/09/17 4/09/17	20/09/17 20/09/17	10/10/17		mg/L mg/L	Not required		1	12			
	Point 9 - Process Water Effluent quality monitoring	4/09/17	20/09/17	10/10/17		ppt	Not required		1	0.1			
			9/11/17	17/11/17		ppb	Continuous		Continuous		.6 550		
	Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring		9/11/17 31/10/17	17/11/17		ppb ppm	Continuous Continuous	2132g/min	Continuous Continuous	-1 2	4 64	no	
							Weekly during			-11512	y		
			31/10/17	17/11/17	0&G	mg/L	any discharge Weekly during		0				The First Flush samples were not collected as the storage pit
Oct-17			31/10/17	17/11/17			any discharge		0				empty at the time of collection
	Point 8 - First Flush Effluent quality monitoring	16/10/17 16/10/17	3/11/17 3/11/17	17/11/17 17/11/17		mg/L ppt	Not required Not required		0				
	Tomeo This rush endenceduary monitoring	16/10/17	3/11/17	17/11/17	0&G	mg/L	Monthly		1	<			
		16/10/17 16/10/17	3/11/17 3/11/17	17/11/17 17/11/17		mg/L	Monthly Not required		1	6.4			
		16/10/17	3/11/17	17/11/17		mg/L	Not required		1	1			
	Point 9 - Process Water Effluent quality monitoring	16/10/17	3/11/17	17/11/17		ppt	Not required		1	0.1			
	Point 10 - Ambient air and weather monitoring station		12/12/17 12/12/17	12/12/17 12/12/17		ppb ppb	Continuous		Continuous Continuous		7 177		
	Point 11 - Air emissions monitoring							2422 (
		_	30/11/17	12/12/17	NOx	ppm	Continuous	2132g/min	Continuous	<2132g	g/min	no	
			,				Weekly during	2132g/min	Continuous 1			no	First flood over income and each overla douine the month 186
			30/11/17	12/12/17		ppm mg/L	Weekly during any discharge	2132g/min	Continuous 1	<2132g		no	First flush was inspected each week during the month. Wk the only week with water present
			,		0&G		Weekly during	2132g/min	Continuous 1 1		sual	no	
Nov-17		2/11/17	30/11/17	12/12/17	O&G pH	mg/L	Weekly during any discharge Weekly during any discharge	2132g/min	1	nil vi:	sual	no	the only week with water present
Nov-17			30/11/17 30/11/17 24/11/17	12/12/17 12/12/17 12/12/17	O&G pH TSS	mg/L	Weekly during any discharge Weekly during any discharge Not required	2132g/min	1 1 0	nil vi:	sual	no	the only week with water present
Nov-17	Point 8 - First Flush Effluent quality monitoring	2/11/17	30/11/17 30/11/17 24/11/17 24/11/17	12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity	mg/L mg/L ppt	Weekly during any discharge Weekly during any discharge Not required Not required	2132g/min	1 1 0	nil vi	sual	no	the only week with water present The First Flush samples were not collected as the storage pi
Nov-17	Point 8 - First Flush Effluent quality monitoring	2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity O&G	mg/L	Weekly during any discharge Weekly during any discharge Not required Not required Monthly	2132g/min	1 1 0 0 1	nil vi: 8.5	sual	no	the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro
Nov-17	Point 8 - First Flush Effluent quality monitoring	2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity O&G pH	mg/L mg/L ppt mg/L	Weekly during any discharge Weekly during any discharge Not required Not required Monthly Monthly	2132g/min	1 1 0 0 1 1	nil vi: 8.5	sual	no	the only week with water present The First Flush samples were not collected as the storage pin empty at the time of collection
Nov-17		2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity O&G pH TDS	mg/L mg/L ppt	Weekly during any discharge Weekly during any discharge Not required Not required Monthly	2132g/min	1 1 0 0 1	nil vi: 8.5	sual	no	the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro
Nov-17	Point 8 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring	2/11/17 2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity O&G pH TDS TSS Salinity	mg/L mg/L mg/L mg/L mg/L ppt	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Monthly Not required Not required	2132g/min	1 1 0 1 1 1 1 1 1		sual	no	the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
Nov-17	Point 9 - Process Water Effluent quality monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	0&G pH TSS Salinity 0&G pH TDS TSS Salinity NOx	mg/L mg/L mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Not required Monthly Monthly Not required Not required	213-2g/min	1 1 0 1 1 1 1 1	10.3 10.3 10.3 10.3 10.3 10.3 10.3 11 12 12 12 12 12 12 12 12 12	sual	no	the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro
Nov-17		2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	0&G pH TSS Salinity 0&G pH TDS TSS Salinity NOx 03	mg/L mg/L mg/L mg/L mg/L ppt ppt	Weekly during any discharge Weekly during any discharge Not required Not required Monthly Not required Not required Not required Continuous Continuous	2132g/min 2132g/min	1 1 0 1 1 1 1 1 Continuous	10.3 10.3 10.3 10.3 10.3 10.3 10.3 11 12 12 12 12 12 12 12 12 12	sual 19 4 2 6 67 22 92	no	the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro
Nov-17	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 15/01/18	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity O&G pH TDS TSS Salinity NOx O3 NOx	mg/L mg/L mg/L mg/L mg/L ppt ppt ppb ppb ppm	Weekly during any discharge Weekly during any discharge Not required Morthly Monthly Monthly Not required Not required Not required Continuous Continuous Continuous		1 0 0 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	10.2 10.2 10.2 11 -5 2	sual 19 4 2 6 6 67 22 92 s/min		the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro
Nov-17	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 15/01/18 5/01/18	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 9/01/18 9/01/18	O&G pH TSS Salinity O&G pH TDS TSS Salinity NOx O3 NOx O&G	mg/L mg/L mg/L mg/L mg/L ppt ppb ppb	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Monthly Mot required Not required Not required Continuous Continuous Continuous Continuous		1 1 0 0 1 1 1 1 1 Continuous Continuous 5	<pre>nil vis</pre>	sual		the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 5/01/18 5/01/18	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17	O&G pH TSS Salinity O&G PH TDS TSS Salinity NOx O3 NOx O&G PH	mg/L mg/L mg/L mg/L mg/L ppt ppt ppb ppb ppm	Weekly during any discharge Weekly during any discharge Not required Not required Monthly Not required Not required Not required Continuous Continuous Continuous		1 0 0 1 1 1 1 Continuous Continuous	<pre> nil vis</pre>	sual 19 2 6 6 6 6 7 2 92 2 2 2 2 2 2 2 2 2 2 2 2 2		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 5/01/18 5/01/18 5/01/18	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 22/01/18 9/01/18 9/01/18 9/01/18	O&G pH TSS Salinity O&G pH TDS TSS Salinity NOx O&G O A O&G D Salinity NOx O Salinity	mg/L mg/L ppt mg/L mg/L mg/L ppt ppb ppb ppb ppb ppm mg/L mg/L ppt	Weekly during any discharge Weekly during any discharge Not required Monthly Continuous		1 1 0 0 1 1 1 1 1 1 1 1 Continuous Continuous 5 5 5 1 1 1	nil vi: 8.5 10.: 18 3 3 0.2 1 1 5 2 <2132g <2132g <2132g 7 8 7 8 2 0.1	sual 19 4 2 6 6 7 2 9 2 4 2 5 4 2 5 5 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 25/01/18 5/01/18 5/01/18 22/12/17 22/12/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 9/01/18 9/01/18 9/01/18	O&G pH TSS Salinity O&G pH TDS Salinity NOx O&G pH TSS Salinity O&G pH TSS Salinity O&G	mg/L mg/L ppt mg/L mg/L ppt ppb ppb ppb ppm mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Not required Not required Not required Not required Continuous Continuous Continuous Continuous Continuous Continuous Real guring Meekly during any discharge Not required Not required Not required Not required		1 1 0 0 1 1 1 1 Continuous Continuous S 5 1	nil vi: 8.5 10.: 18.3 0.2.32 <2132g 0.1: 7 8 2 0.1: <	sual 19 4 2 6 6 7 92 19 2 92 19 19 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17 4/12/17 4/12/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/17 22/12/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 9/01/18 9/01/18 9/01/18 9/01/18	O&G pH TSS Salinity O&G pH TDS Salinity NOx O&G pH TSS Salinity O&G pH TSS Salinity O&G pH TSS Salinity TSS Salinity TSS Salinity TSS Salinity TSS TSS Salinity TSS Salinity TSS TSS Salinity TSS TSS Salinity TSS TSS Salinity	mg/L mg/L ppt mg/L ppt ppb ppb ppb ppb mg/L mg/L mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Not required Not required Continuous		1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	nil vi: 8.5 10.1 18 3 0.2 1 1 -5 2 <2132 vi 18 -5 2 <10.1 18 -5 2 <10.1 -5 2 <10.2 -5 2 <10.2 -5 -5 2 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	sual 19 2 6 6 6 7 2 92 2 2 2 2 2 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 8 - First Flush Effluent quality monitoring	2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 4/12/127 4/12/127 4/12/127 4/12/127 4/12/127	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/17 22/12/17 22/12/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 22/01/18 9/01/18 9/01/18 9/01/18 9/01/18	O&G pH TSS Salinity O&G TDS TSS Salinity NOx O&G O&G pH TSS Salinity O&G pH TSS Salinity O&G	mg/L ppt mg/L ppt mg/L mg/L ppt ppb ppb ppb ppb mg/L mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Monthly Not required Not required Continuous Co		1 1 0 0 1 1 1 1 1 1 1 Continuous Continuous S 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nii vi: 8.5 10. 18 3 0.2 <2132 2 <2132 4 0.1 1 4 1 1	sual 19 4 2 5 2 4 2 2 5 10 10 10 10 10 10 10 10 10 10		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17 4/12/17 4/12/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/17 22/12/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 9/01/18 9/01/18 9/01/18 9/01/18	O&G pH TSS Salinity D&G pH TDS Salinity NOx O&G pH O&G pH TDS Salinity O&G Salinity D&G Salinity TSS Salinity	mg/L mg/L ppt mg/L ppt ppb ppb ppb ppb mg/L mg/L mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Not required Not required Continuous		1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	nil vi: 85 10.3 18 33 0.2 11 -5 2 0.11 2 0.11 -5 2 0.11 -5 2 0.11 -5 2 0.11 -5 2 0.11 -7 8 -7 -14 1 0.14	sual 19 4 2 5 2 4 2 2 5 10 10 10 10 10 10 10 10 10 10		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 12 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 4/12/127 4/12/127 4/12/127 4/12/127 4/12/127	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17	12/12/17 12/12/	O&G O&G TSS Salinity O&G TDS TSS Salinity NOx O&G O&G PH TSS Salinity NOx O&G Salinity NOx O O G G G G G G G G G G G G G G G G G	mg/L mg/L ppt mg/L ppt ppb ppb ppb ppm mg/L mg/L mg/L mg/L mg/L ppt mg/L ppt ppb ppb ppb ppb	Weekly during any discharge Weekly during any discharge Not required Monthy Monthy Not required Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Not required Not r	2132g/min	1 1 0 0 1 1 1 1 1 1 1 Continuous 5 5 5 1 1 1 1 1 1 1 Continuous Contrinuous Continuous	nil vi: 8.5 10. 10. 13 3 0.2 2132 2 <2132 2 <2132 2 <2132 2 <2132 2 <2132 14 1 1	2 3 3 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2	no	the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 8 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring	2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 4/12/127 4/12/127 4/12/127 4/12/127 4/12/127	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17	12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 12/12/17 22/01/18 9/01/18 9/01/18 9/01/18 9/01/18 9/01/18	O&G O&G TSS Salinity O&G TDS TSS Salinity NOx O&G O&G PH TSS Salinity NOx O&G Salinity NOx O O G G G G G G G G G G G G G G G G G	mg/L mg/L ppt mg/L mg/L mg/L ppt mg/L mg/L mg/L mg/L ppt ppt ppt ppt ppt ppt ppb ppb	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Not required Not required Not required Not required Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Not required Not required Not required Not required Not required		1 1 0 0 1 1 1 1 Continuous 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nii vi: 8.5 10.: 18 3 3 0.2 1 2 -5 2 <2132g	2 3 3 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2		the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre
	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 12 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 4/12/127 4/12/127 4/12/127 4/12/127 4/12/127	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17	12/12/17 12/12/	O&G pH TSS Salinity O&G TDS TSS Salinity O&G O Salinity O&G O Salinity O&G O Salinity TDS TSS Salinity O&G Salinity NOX O&G O Salinity NOX O O Salinity NOX O O Salinity NOX O O Salinity NOX O O Salinity NOX O Salinity O Salinity Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity Sal	mg/L mg/L ppt mg/L ppt ppb ppb ppb ppm mg/L mg/L mg/L mg/L mg/L ppt ppt ppb ppp ppb ppb	Weekly during any discharge Weekly during any discharge Not required Not required Monthly Monthly Monthly Monthly Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Meekly during any discharge Not required Not required Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	2132g/min	1 1 0 0 1 1 1 1 1 1 1 Continuous 5 5 5 1 1 1 1 1 1 1 Continuous Contrinuous Continuous	nil vi: 8.5 10. 10. 13 3 0.2 2132 2 <2132 2 <2132 2 <2132 2 <2132 2 <2132 14 1 1	2 19 4 2 6 6 6 6 7 10 10 10 10 10 10 10 10 10 10	no	the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre pieced on 13/11/17 First flush was inspected each week during the month. Wk
Dec-17	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 12 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 2/11/127 4/12/127 4/12/127 4/12/127 4/12/127 4/12/127	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 15/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17	12/12/17 12/	O&G pH TSS Salinity O&G Salinity O&G Salinity O&G Salinity O&G Salinity O&G Salinity NOX O&G Salinity NOX O&G Salinity NOX O&G Salinity O Salinity	mg/L mg/L ppt mg/L ppt ppb ppb ppt mg/L mg/L mg/L mg/L mg/L ppt mg/L ppt mg/L	Weekly during any discharge Weekly during any discharge Not required Monthy Monthy Monthy Not required Continuous Continuous Continuous Continuous Continuous Continuous Monthy	2132g/min	1 1 0 0 1 1 1 1 1 1 1 Continuous 5 5 5 1 1 1 1 1 1 1 Continuous Contrinuous Continuous	nii vi: 8.5 10 18 3 0.2.2 <10 1 2 <132 <2132 4 <2132 5 2 0.1.1 <2132 5 7 5 7 5 7 8 2 0.1.1 5 7 8 9 0.2 10 1 8 5 7 8 9 7 8 9 9 10 1 8 5 9 7 8 9 9 10 1 8 5 9 10 1 8 5 9 10 1 8 10 1 1 8 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	no	the only week with water present The First Flush samples were not collected as the storage pil empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre piped on 13/11/17
Dec-17	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 8 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 5/01/18 5/01/18 5/01/18 5/01/18 22/12/17 22/12/1	12/12/17 12/	O&G pH TSS Salinity O&G TSS TSS Salinity NOX O&G Salinity NOX O&G Salinity NOX O&G O&G DAG DAG DAG DAG DAG DAG DAG DAG DAG DA	mg/L mg/L mg/L mg/L mg/L ppt mg/L ppt mg/L mg/L ppt mg/L ppt mg/L mg/L mg/L mg/L mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Monthly Morthly Morthly Morthly Morthly Morthly Continuous	2132g/min	1 1 0 0 1 1 1 1 1 1 1 1 1 1 Continuous 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nii viv 2000 1000 1000 1000 1000 1000 1000 100	223 2 2 2 2 2 2 2 2 2 2 2 2 2	no	the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre pieced on 13/11/17 First flush was inspected each week during the month. Wk
Dec-17	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 12 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17 4/12/17 4/12/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 22/12/17 22/12/17 22/12/17 22/12/17 22/12/17 12/02/18 1/02/18 1/02/18	12/12/17 12/	o&G pH TSS Salinity O&G pH TDS TSS Salinity NOX O&G PH TSS Salinity O&G O&G PH TSS Salinity O&G O BA O Salinity O&G PH TSS Salinity O Salinity S	mg/L mg/L ppt mg/L ppt ppb ppb ppb ppm mg/L mg/L ppt mg/L ppt ppb ppb ppb ppb ppb ppb ppb ppb ppb	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Not required Continuous	2132g/min	1 1 0 0 1 1 1 1 1 1 1 Continuous Continuous 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nil vit 85	2	no	the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pre pieced on 13/11/17 First flush was inspected each week during the month. Wk
Dec-17	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 8 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/1	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 5/01/18 15/01/18 11/02/18 11/02/18 11/02/18 11/02/18 30/01/18 30/01/18 30/01/18	12/12/17 12/	O&G pH TSS Salinity O&G pH TDS TSS Salinity NOX O&G DH TDS TSS Salinity NOX O&G PH TDS TSS Salinity NOX O&G PH TDS TSS Salinity O&G O Salinity O&G D Salinity O&G Salinity O&G O Salinity O&G Salinity O&G Salinity O&G Salinity O&G O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity O Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity D Salinity Salinity D Salinity Salinity Salinity Salinity Salinity D Salin	mg/L mg/L mg/L mg/L mg/L ppt mg/L ppt mg/L mg/L ppt mg/L ppt mg/L mg/L mg/L mg/L mg/L mg/L	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Monthly Morthly Morthly Morthly Morthly Morthly Continuous	2132g/min	1 1 0 0 1 1 1 1 1 1 1 1 1 1 Continuous 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nil vi vi 8.5 10. 11. 12. 13. 13. 14. 13. 14. 14. 14. 14. 14. 14. 14. 14	22 - 57 4	no	the only week with water present The First Flush samples were not collected as the storage pi empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro pipeded on 13/11/17 First flush was inspected each week during the month. Wk
Nov-17 Dec-17 Jan-18	Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring Point 8 - First Flush Effluent quality monitoring Point 9 - Process Water Effluent quality monitoring Point 10 - Ambient air and weather monitoring station Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring	2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 2/11/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17 4/12/17	30/11/17 30/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 24/11/17 15/01/18 15/01/18 5/01/18 5/01/18 5/01/18 5/01/18 12/12/17 22/12/1	12/12/17 12/	0&6 pH TSS Salinity 0&6 DB Salinity 00 00 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity 0 Salinity	mg/L mg/L ppt mg/L ppt ppb ppb ppb ppm mg/L mg/L ppt mg/L ppt ppb ppb ppb ppb ppb ppb ppb ppb ppb	Weekly during any discharge Weekly during any discharge Not required Monthly Monthly Monthly Not required Not required Not required Continuous	2132g/min	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nli viti 18 3 10 18 3 0.2 1 2 0.113 1	2 6 4 2 6 6 6 7 7 2 7 2 7 2 7 2 7 2 7 7 7 7 7 7 7 7 7 7 7 7 7	no	The First Flush samples were not collected as the storage pit empty at the time of collection pit probe on the pit correction system was found to be faulty. Pro replaced on 13/11/17

			9/03/18	14/03/18	NOx	ppb	Continuous		Continuous	0 8 253		1
	Point 10 - Ambient air and weather monitoring station		9/03/18	14/03/18		ppp	Continuous	<u> </u>	Continuous	-4 13 57		1
	Point 10 - Ambient an and weather monitoring station		27/02/18			ppm	Continuous	2132g/min	Continuous	<2132g/min	no	1
							Weekly during					
			27/02/18	14/03/18	0&G	mg/L	any discharge		1	nil visual		First flush dry during the first 3 weeks of February. Only 2 sample
Feb-18			27/02/18	14/03/18	рH		Weekly during any discharge		2	7.04 7.09 7.15		taken during the month.
		1/02/18	27/02/18			mg/L	Not required		0	7.04 7.05 7.15		First flush was completely empty during sampling, therefore no
	Point 8 - First Flush Effluent quality monitoring	1/02/18	27/02/18			ppt	Not required		0			sample collected
	Tomeo Thise has endere duardy monitoring	1/02/18	27/02/18	14/03/18		mg/L	Monthly		1	<5		
		1/02/18	27/02/18			1	Monthly		1	7.6		1
		1/02/18	27/02/18	14/03/18	TDS	mg/L	Not required		1	132		1
		1/02/18	27/02/18			mg/L	Not required		1	2		
	Point 9 - Process Water Effluent quality monitoring	1/02/18	27/02/18	14/03/18		ppt	Not required		1	0.166		
			12/04/18	18/04/18		ppb	Continuous		Continuous	1 9 74		
	Point 10 - Ambient air and weather monitoring station Point 11 - Air emissions monitoring		12/04/18 3/04/18	18/04/18 12/04/18		ppb	Continuous	2422. (.:	Continuous Continuous	-5 13 67		
	Point 11 - Air emissions monitoring		3/04/18	12/04/18	NUX	ppm	Continuous Weekly during	2132g/min	Continuous	<2132g/min	no	
			3/04/18	12/04/18	0&G	mg/L	any discharge		3	nil visual		First flush was dry one week during March. 3 samples were
							Weekly during	<u> </u>				collected during the month.
Mar-18			3/04/18	12/04/18			any discharge		3	7.85 8.08 8.2		
IVIdI-10		6/03/18	27/03/18				Not required		0			First flush was empty duirng sampling, therefore no monthly TSS
	Point 8 - First Flush Effluent quality monitoring	6/03/18	27/03/18	12/04/18		ppt	Not required	<u> </u>	0			Salinity data.
		6/03/18	27/03/18	12/04/18		mg/L	Monthly	<u> </u>	1	<5		4
		6/03/18 6/03/18	27/03/18 27/03/18		pH		Monthly	<u> </u>	1	6.54 98		4
		6/03/18	27/03/18 27/03/18			mg/L mg/L	Not required Not required	<u> </u>	1	98		1
	Point 9 - Process Water Effluent quality monitoring	6/03/18	27/03/18			ppt	Not required	<u> </u>	1	0.119		
	rome a rrocess water entitient quality monitoring	0/03/10	11/05/18			ppb	Continuous	<u> </u>	Continuous	1 19 104		1
	Point 10 - Ambient air and weather monitoring station		11/05/18			ppb	Continuous	<u> </u>	Continuous	-2 17 62		1
	Point 11 - Air emissions monitoring		30/04/18	15/05/18		ppm	Continuous	2132g/min	Continuous	<2132g/min	no	
							Weekly during					
			30/04/18	15/05/18	0&G	mg/L	any discharge Weekly during		0			First flush empty during April.
			30/04/18	15/05/18	nH		any discharge		0			
Apr-18		4/04/18	3/05/18		TSS	mg/L	Not required		0			First flush was empty duirng sampling, therefore no monthly TSS
	Point 8 - First Flush Effluent quality monitoring	4/04/18	3/05/18			ppt	Not required		0			Salinity data.
	Fond a First Hash Emdent quarty monitoring	4/04/18	3/05/18			mg/L	Monthly		1	<		
		4/04/18	3/05/18				Monthly		1	8.04		
		4/04/18	3/05/18			mg/L	Not required		1	165		
		4/04/18	3/05/18			mg/L	Not required		1	2		
	Point 9 - Process Water Effluent quality monitoring	4/04/18	3/05/18			ppt	Not required		1	0.194		
			18/06/18			ppb	Continuous		Continuous	1 12 65		
	Point 10 - Ambient air and weather monitoring station		18/06/18		03	ppb	Continuous		Continuous	-1 17 43		
	Point 11 - Air emissions monitoring		31/05/18	13/06/18	NOx	ppm	Continuous Weekly during	2132g/min	Continuous	<2132g/min	no	
			31/05/18	13/06/18	086	mg/L	any discharge		0			
							Weekly during		-			First flush empty during May
May-18			31/05/18				any discharge		0			
IVIdy-10		3/05/18				mg/L	Not required		0			First flush was empty duirng sampling, therefore no monthly TSS
	Point 8 - First Flush Effluent quality monitoring	3/05/18	28/05/18			ppt	Not required	<u> </u>	0			Salinity data.
		3/05/18	28/05/18		0&G	mg/L	Monthly	<u> </u>	1	<5		4
		3/05/18	28/05/18 28/05/18				Monthly Not required	<u> </u>	1	7.25		4
		3/05/18	28/05/18			mg/L mg/L	Not required	<u> </u>	1	151		1
	Point 9 - Process Water Effluent quality monitoring	3/05/18	28/05/18			ppt	Not required	<u> </u>	1	0.189		1
	rome a rrocess water childent quality monitoring	0,00/10	11/07/18	13/07/18		ppb	Continuous		Continuous	1 11 61		1
Jun-18	Point 10 - Ambient air and weather monitoring station		11/07/18	13/07/18		ppb	Continuous	1	Continuous	-1 18 29		1
	Point 11 - Air emissions monitoring		2/07/18			ppm	Continuous	2132g/min	Continuous	<2132g/min	no	1
												1
						1	Weekly during					
			2/07/18	13/07/18	0&G	mg/L	any discharge	L	4	nil visual		1
							Manhha dunia -					
			2/07/18	13/07/18	nH		Weekly during any discharge		4	7.01 7.53 8.2		
		4/06/18	26/06/18			mg/L	Not required	1	4	26		1
	Point 8 - First Flush Effluent quality monitoring	4/06/18	26/06/18			ppt	Not required	1	1	0.121		1
		4/06/18	26/06/18			mg/L	Monthly		1	<5		1
		4/06/18	26/06/18				Monthly		1	7.32]
		4/06/18	26/06/18			mg/L	Not required		1	164]
		4/06/18	26/06/18	13/07/18			Not required		1	6		1
		4/06/18	26/06/18	13/07/18	Salinity	ppt	Not required		1	0.195		4
	Point 9 - Process Water Effluent quality monitoring	1.11										
Annual	Point 9 - Process Water Effluent quality monitoring											
review of	Point 9 - Process Water Effluent quality monitoring Point 7 - First flush and process water 'Wastewater Volume						Daily, collated					
			20/06/18	29/07/20	Volume	kL/day	Daily, collated annually		365	0.00 3.87 74.00		

Change Date Change 1306/19 During the 2018-2019 Annual Return Compliance Review, additional Point 11 data (pH and O&G only) was identified for the July 2018 - April 2019 period. This data was compliant. 16/07/20 Included frequency of sampling into data sheet 28/07/20 Included sampling requirement for each month to match licence 29/07/20 Included volume monitoring data