



## Yearly summary monitoring data

Licence Details: Caltex Refineries (NSW) Pty Ltd, 2 Solander St, Kurnell, NSW, 2231, EPL # 837

		EPA Point	Point 27, Yena Gap Effluent, Normal Operating Conditions								Date last data were obtained		Publishing Date		
		Pollutant	Temperature	pH	Volumetric Flowrate	Oil and Grease	Phenols	Sulfide (un-ionised hydrogen)	Nitrogen (ammonia)	Total Suspended Solids					Biochemical Oxygen Demand
		Unit of Measure	°C		kl/day	mg/l	mg/l	mg/l	mg/l	mg/l					mg/l
		Monitoring Frequency Required by Licence	Continuous	Continuous	Continuous	6 Day	6 Day	6 Day	6 Day	6 Day					6 Day
		Averaging Period	1 Hour Block	6 Minute Rolling	1 Day Block	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample					Grab Sample
Reporting Period	No. Samples Collected		8784	527040	366	43	43	43	43	43					
2 May 2017-1 May 2018	100%tile	Licence Limit	40	6.0 - 9.0	None	None	2.7	None	None	None	None				
		Lowest	15.6	6.7	0	<5	<0.05	<0.1	<0.01	<1	<2				
		Mean	21.6	7.1	5473	<5	<0.05	<0.1	0.04	7	5				
		Highest	27.7	7.8	9772	<5	<0.05	<1.0	0.55	23	15				
		Exceedance (yes/no)	No	No	N/A	N/A	No	N/A	N/A	N/A	N/A				
	90%tile	Licence Limit		6.5 - 8.5		10			7.5	50	30			14-May-18	1-Jun-18
		Lowest		6.7		<5			<0.01	<1	<2				
		Mean		7.1		<5			0.02	5.4	3.1				
		Highest		7.6		<5			0.06	12.0	4.0				
		Exceedance (yes/no)		No		No			No	No	No				
	50%tile	Licence Limit				0.3				35	20				
		Lowest				<0.05				<1	<2				
		Mean				<0.05				3	<2				
		Highest				<0.05				5	<2				
		Exceedance (yes/no)				No				No	No	No	No		

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EPA Point		Point 27, Yena Gap Effluent, Wet Weather By-Pass Conditions				Date last data were obtained	Publishing Date
Pollutant		Oil and Grease (Wet)	Phenols (Wet)	Total Suspended Solids (Wet)	Biochemical oxygen demand (Wet)		
Unit of Measure		mg/l	mg/l	mg/l	mg/l		
Monitoring Frequency Required by Licence		Daily	Daily	Daily	Daily		
Averaging Period		Grab Sample	Grab Sample	Grab Sample	Grab Sample		
Reporting Period 2 May 2017- 1 May 2018	No. Samples Collected	0	0	0	0	14-May-18	1-Jun-18
	<b>Licence Limit</b>	<b>70</b>	<b>5</b>	<b>100</b>	<b>350</b>		
	Lowest	N/A	N/A	N/A	N/A		
	Mean	N/A	N/A	N/A	N/A		
	Highest	N/A	N/A	N/A	N/A		
	<b>Exceedance (yes/no)</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>		

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		EPA Point	Point 27, Yena Gap Effluent, Normal Operating Conditions											
		Pollutant	Arsenic	Ethyl Benzene	Lead	Naphthalene	Nickel	Phenanthrene	Benzene	Toluene	Polycyclic Aromatic Hydrocarbons			2,4-Dimethylpheno I
		Licence Limit		None		None		None	None	None	0.5			None
		Unit of Measure	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l			mg/l
		Monitoring Frequency Required by Licence	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly			Monthly
		Averaging Period	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample	24 Hour Composite Sample			24 Hour Composite Sample
2 May 2017-1 May 2018	No. Samples Collected		12	12	12	12	12	12	12	12	12	14-May-18	1-Jun-18	
	100%tile	Licence Limit	None	None	None	None	None	None	None	None	0.5			None
		Lowest	0.002	<0.002	<0.001	<0.0002	0.002	<0.0002	<0.001	<0.002	<0.0002			<0.0002
		Mean	0.003	<0.002	0.007	<0.0002	0.003	<0.0002	<0.001	<0.002	<0.0002			<0.0002
		Highest	0.006	<0.002	0.021	<0.0005	0.004	<0.0005	<0.001	<0.002	<0.0005			<0.0005
		Exceedance (yes/no)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No			N/A
	50%tile	Licence Limit	0.07		0.025		0.03				0.03			
		Lowest	0.002		<0.001		0.002				<0.0002			
		Mean	0.003		<0.001		0.003				<0.0002			
		Highest	0.003		<0.001		0.003				<0.0002			
		Exceedance (yes/no)	No		No		No				No			

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