



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										
		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											Date last data were obtained	Publishing Date	
2 May 2018-1 May 2019	No. Samples Collected		8784	527040	366	43	43	43	43	43	10-May-19	15-May-19	
	100%tile	Licence Limit	40	6.0 - 9.0	None	None	2.7	None	None	None			
		Lowest	14.7	6.7	0	<5	<0.05	<0.1	<0.01	<1			
		Mean	21.2	7.0	5439	<5	<0.05	<0.1	0.03	7			
		Highest	28.3	7.4	11489	9	<0.05	<0.1	0.09	25			
		Exceedance (yes/no)	No	No	N/A	N/A	No	N/A	N/A	N/A			
	90%tile	Licence Limit		6.5 - 8.5		10		7.5	50	30			
		Lowest		6.7		<5		<0.01	<1				
		Mean		7.0		<5		0.03	5	2			
		Highest		7.4		<5		0.05	12	2			
		Exceedance (yes/no)		No		No		No	No	No			
	50%tile	Licence Limit				0.3			35	20			
		Lowest				<0.05			<1	<2			
		Mean				<0.05			4	2			
		Highest				<0.05			5	2			
		Exceedance (yes/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		No. Samples Collected	0	0	0		
2 May 2018-1 May 2019	100%tile	Licence Limit	70	5	100	10-May-19	12-Jan-00
		Lowest	N/A	N/A	N/A		
		Mean	N/A	N/A	N/A		
		Highest	N/A	N/A	N/A		
		Exceedance (yes/no)	No	No	No		

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Reporting Period		EPA Point	Point 27, Yena Gap Effluent, Normal Operating Conditions										Date last data were obtained		Publishing Date				
			Pollutant	Arsenic	Ethyl Benzene	Lead	Naphthalene	Nickel	Phenanthrene	Benzene	Toluene	Polycyclic Aromatic Hydrocarbons					2,4-Dimethylphenol		
			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					24 Hour Composite Sample		
2 May 2018-1 May 2019		No. Samples Collected		12	12	12	12	12	12	12	12	12	10-May-19		15-May-19				
		100%tile		Licence Limit		None	None	None	None	None	None	None					0.5	None	
				Lowest		<0.001	<0.002	<0.001	<0.0002	0.002	<0.0002	<0.001					<0.002	<0.0002	<0.0002
				Mean		0.002	<0.002	0.002	<0.0002	0.006	<0.0002	<0.001					<0.002	<0.0002	<0.0002
				Highest		0.004	<0.002	0.002	<0.0005	0.008	<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		<0.001		<0.001		0.002							<0.0002		
				Mean		0.001		<0.001		0.004							<0.0002		
				Highest		0.002		<0.001		0.006							<0.0002		
				Exceedance (yes/no)		No		No		No							No		

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