CALTEX

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		
Reporting Period		Averaging Period	1 Hour Block	6 Minute Rolling	1 Day Block	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Date last data were obtained	Publishing Date
		No. Samples Collected	8784	527040	366	43	43	43	43	43	43		
2 May 2018- 1 May 2019	100%tile	Licence Limit	40	6.0 - 9.0	None	None	2.7	None	None	None	None	10-May-19	15-May-19
		Lowest	14.7	6.7	0	<5	<0.05	<0.1	<0.01	<1	<2		
		Mean	21.2	7.0	5439	<5	<0.05	<0.1	0.03	7	3		
		Highest	28.3	7.4	11489	9	<0.05	<0.1	0.09	25	11		
		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		
		Lowest		6.7		<5			<0.01	<1	<2		
		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					
		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		
Reporting Period		Averaging Period	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Date last data were obtained	Publishing Date
		No. Samples Collected	0	0	0	0		
2 May 2018-1 May 2019	100%tile	Licence Limit	70	5	100	350	10-May-19	12-Jan-00
		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		
		Exceedance (yes/no)	No	No	No	No		

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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-Dimethylphenol**	Date last data were obtained	Publishing Date
	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		
Reporting Period	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 2018- 1 May 2019	No. Samples Collected	12	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**	**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**			