



Yearly summary monitoring data

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

Reporting Period		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 sulfide)	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	Once during any discharge	Once during any discharge	Once during any discharge	Once during any discharge	Once during any discharge	Once during any discharge				
		Averaging Period	1 Hour Block	6 Minute Rolling	1 Day Block	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample				
2 May 2023-1 May 2024		No. Samples Collected	8760	525600	365	4	4	45	46	4	4	1-May-24	20-May-24		
		100%tile	Licence Limit	40	6.0 - 9.0	None	None	2.7	None	7.5	50			30	
			Lowest	15.8	6.4	0	<5	<0.05	<0.1	<0.01	2			<2	
			Mean	21.6	7.1	4891	<5	<0.05	<0.1	0.02	4			2	
			Highest	27.3	8.5	7290	<5	0.08	3.2	0.99	15			7	
			Exceedance (yes/no)	No	No	N/A	N/A	No	N/A	No	No			No	
		90%tile	Licence Limit		6.5 - 8.5		10								
			Lowest		6.5		<5								
			Mean		7.1		<5								
			Highest		8.5		<5								
			Exceedance (yes/no)		No		No								
		50%tile	Licence Limit				0.3							35	20
			Lowest				<0.05							2	<2
			Mean				<0.05							2	<10
			Highest				<0.05							2	<10
			Exceedance (yes/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 only during any discharge under bypass conditions of the biotreater wastewater treatment plant					
Reporting Period	Averaging Period	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Date last data were obtained	Publishing Date
2 May 2023-1 May 2024	No. Samples Collected	142	142	142	142	1-May-24	20-May-24
	Licence Limit	70	5	100	350		
	Lowest	<5	<0.05	<5	5		
	Mean	<5	0.18	11	17		
	Highest	21	0.45	62	37		
	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		
		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	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample		
Reporting Period												Date last data were obtained	Publishing Date	
2 May 2023-1 May 2024	No. Samples Collected		11	11	11	10	11	11	11	11	11	11	1-May-24	20-May-24
	100%tile	Licence Limit	0.07	None	0.025	None	0.03	None	None	None	0.5	None		
		Lowest	<0.001	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Mean	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	0.005	<0.002	<0.0002	0.0056		
		Highest	0.002	1.24	0.001	0.0327	0.003	0.0013	0.292	1.160	0.034	0.1740		
	Exceedance (yes/no)		No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
	50%tile	Licence Limit									0.03			
		Lowest									<0.0002			
		Mean									<0.0002			
		Highest									<0.0002			
Exceedance (yes/no)										No				

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