



Yearly summary monitoring data

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

Reporting Period		Point 27, Yena Gap Effluent, Normal Operating Conditions										Date last data were obtained	Publishing Date
		EPA Point											
		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 2021-1 May 2022	No. Samples Collected		8736	524160	364	56	56	56	56	56	56	2-May-23	17-May-23
	100%tile	Licence Limit	40	6.0 - 9.0	None	None	2.7	None	7.5	50	30		
		Lowest	13.6	6.5	0	<5	<0.05	<0.1	<0.01	<1	<2		
		Mean	19.3	6.9	5565	<5	<0.05	<0.1	<0.01	7	2		
		Highest	27.1	7.4	27389	8	0.05	<0.1	0.50	19	20		
		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		6.9		<5							
		Highest		7.3		<5							
		Exceedance (yes/no)		No		No							
	50%tile	Licence Limit				0.3				35	20		
		Lowest				<0.05				3	<2		
		Mean				<0.05				4	<2		
		Highest				<0.05				7	2		
		Exceedance (yes/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 only during any discharge under bypass conditions of the biotreater wastewater treatment plant					
Averaging Period		Grab Sample	Grab Sample	Grab Sample	Grab Sample		
2 May 2021-1 May 2022	No. Samples Collected	2	2	2	2	2-May-23	17-May-23
	Licence Limit	70	5	100	350		
	Lowest	<5	<0.05	6	17		
	Mean	<5	<0.05	9	20		
	Highest	<5	<0.05	9	20		
	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 2021-1 May 2022	No. Samples Collected		12	12	12	12	12	12	12	12	12	12	2-May-23	17-May-23
	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	0.001	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0005	0.002	<0.0005	<0.001	0.004	<0.0005	<0.0005		
		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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