



Monthly summary monitoring data

Licence Details: Ampol 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	Reason for Missing Data	Publishing Date	
Pollutant	Temperature	pH	Volumetric Flowrate	Oil and Grease	Phenols	Sulfide (un-ionised hydrogen sulfide)	Nitrogen (ammonia)	Total Suspended Solids	Biochemical Oxygen Demand						
	Licence Limit (100%tile)	40	6.0 - 9.0	None		2.7	None	7.5	50	30					
	Licence Limit (90%tile)		6.5 - 8.5		10										
	Licence Limit (50%tile)					0.3			35	20					
	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					
Reporting Period	Month	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	Reason for Missing Data	Publishing Date	
2023 - 2024 May	2-May 31-May 2023	No. Samples Collected	720	43200	30	4	4	4	4	4	4	2-Jun-23	No Missing Data	19-Jun-23	
		Lowest	16.5	6.8	0	<5	<0.05	<0.1	<0.01	2	<2				
		Highest	25.1	7.5	7290	<5	0.08	<0.1	0.03	7	<10				
		Exceedance (yes/no)	No	No	N/A	No	No	No	No	No	No				No
2023 - 2024 Jun	1-Jun 30-Jun 2023	No. Samples Collected	720	43200	30	1	1	1	1	1	1	3-Jul-23	No Missing Data	14-Jul-23	
		Lowest	16.2	6.5	0	<5	<0.05	<0.1	0.01	15	7				
		Highest	17.9	8.3	6342	<5	<0.05	<0.1	0.01	15	7				
		Exceedance (yes/no)	No	No	N/A	No	No	No	No	No	No				No
2023 - 2024 Jul	1-Jul 31-Jul 2023	No. Samples Collected	744	44640	31	0	0	0	0	0	0	10-Aug-23	No Missing Data	15-Aug-23	
		Lowest	15.8	6.9	0										
		Highest	16.9	7.8	6232										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Aug	1-Aug 31-Aug 2023	No. Samples Collected	744	44640	31							11-Sep-23	No Missing Data	15-Sep-23	
		Lowest	16.0	6.7	0										
		Highest	17.4	8.2	6687										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Sep	1-Sep 30-Sep 2023	No. Samples Collected	720	43200	30							9-Oct-23	No Missing Data	13-Oct-23	
		Lowest	17.5	6.8	0										
		Highest	20.7	7.2	6285										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Oct	1-Oct 31-Oct 2023	No. Samples Collected	744	44640	31							3-Nov-23	No Missing Data	14-Nov-23	
		Lowest	20.8	6.9	0										
		Highest	22.7	7.8	6307										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Nov	1-Nov 30-Nov 2023	No. Samples Collected	720	43200	30							1-Dec-23	No Missing Data	15-Dec-23	
		Lowest	20.8	6.5	0										
		Highest	24.0	7.9	5957										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Dec	1-Dec 31-Dec 2023	No. Samples Collected	744	44640	31							3-Jan-24	No Missing Data	12-Jan-24	
		Lowest	23.7	6.6	0										
		Highest	26.9	8.5	5747										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Jan	1-Jan 31-Jan 2024	No. Samples Collected	744	44640	31							6-Feb-24	No Missing Data	15-Feb-24	
		Lowest	24.9	6.7	0										
		Highest	27.2	8.5	5693										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Feb	1-Feb 29-Feb 2024	No. Samples Collected	696	41760	29							5-Mar-24	No Missing Data	15-Mar-24	
		Lowest	24.6	6.4	0										
		Highest	27.3	8.5	5951										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Mar	1-Mar 31-Mar 2024	No. Samples Collected	744	44640	31							6-Apr-24	No Missing Data	16-Apr-24	
		Lowest	25.0	6.5	0										
		Highest	26.6	8.5	5912										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A
2023 - 2024 Apr	1-Apr 1-May 2024	No. Samples Collected	720	43200	30							1-May-24	No Missing Data	15-May-24	
		Lowest	21.3	6.5	0										
		Highest	25.4	8.5	6981										
		Exceedance (yes/no)	No	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A				N/A

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

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)
Licence Limit (100%tile)	70	5	100	350
Licence Limit (90%tile)				
Licence Limit (50%tile)				
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	Month	Averaging Period	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Date Last Data were Obtained	Reason for Missing Data	Publishing Date
2023 - 2024 May	2-May 31-May 2023	No. Samples Collected	0	0	0	0	N/A	No Missing Data	19-Jun-23
		Lowest							
		Highest							
		Exceedance (yes/no)							
2023 - 2024 Jun	1-Jun 30-Jun 2023	No. Samples Collected	9	9	9	9	3-Jul-23	No Missing Data	14-Jul-23
		Lowest	<5	<0.05	9	8			
		Highest	<5	0.15	19	12			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Jul	1-Jul 31-Jul 2023	No. Samples Collected	15	15	15	15	10-Aug-23	No Missing Data	15-Aug-23
		Lowest	<5	0.09	6	9			
		Highest	5	0.35	18	35			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Aug	1-Aug 31-Aug 2023	No. Samples Collected	16	16	16	16	11-Sep-23	No Missing Data	15-Sep-23
		Lowest	<5	0.1	1	12			
		Highest	5	0.27	21	27			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Sep	1-Sep 30-Sep 2023	No. Samples Collected	9	9	9	9	9-Oct-23	No Missing Data	13-Oct-23
		Lowest	<5	0.11	7	13			
		Highest	8	0.23	12	21			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Oct	1-Oct 31-Oct 2023	No. Samples Collected	10	10	10	10	3-Nov-23	No Missing Data	14-Nov-23
		Lowest	<5	<0.05	4	6			
		Highest	6	0.2	12	17			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Nov	1-Nov 30-Nov 2023	No. Samples Collected	15	15	15	15	1-Dec-23	No Missing Data	15-Dec-23
		Lowest	<5	0.09	10	7			
		Highest	<5	0.32	62	27			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Dec	1-Dec 31-Dec 2023	No. Samples Collected	19	19	19	19	3-Jan-24	No Missing Data	12-Jan-24
		Lowest	<5	0.09	9	11			
		Highest	<5	0.45	34	27			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Jan	1-Jan 31-Jan 2024	No. Samples Collected	14	14	14	14	6-Feb-24	No Missing Data	15-Feb-24
		Lowest	<5	0.14	7	13			
		Highest	21	0.29	17	37			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Feb	1-Feb 29-Feb 2024	No. Samples Collected	12	12	12	12	5-Mar-24	No Missing Data	15-Mar-24
		Lowest	<5	0.13	<5	13			
		Highest	<5	0.24	13	29			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Mar	1-Mar 31-Mar 2024	No. Samples Collected	8	8	8	8	6-Apr-24	No Missing Data	16-Apr-24
		Lowest	<5	0.09	5	14			
		Highest	<5	0.22	15	34			
		Exceedance (yes/no)	No	No	No	No			
2023 - 2024 Apr	1-Apr 1-May 2024	No. Samples Collected	15	15	15	15	1-May-24	No Missing Data	15-May-24
		Lowest	<5	0.07	5	5			
		Highest	<5	0.29	18	37			
		Exceedance (yes/no)	No	No	No	No			

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Reporting Period	Month	Averaging Period	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample				Grab Sample
		Pollutant	Arsenic	Ethyl Benzene	Lead	Naphthalene	Nickel	Phenanthrene	Benzene	Toluene	Polycyclic Aromatic Hydrocarbons	2,4-Dimethyl-phenol			
		Licence Limit (100%tile)	0.07	None	0.025	None	0.03	None	None	None	0.5	None			
		Licence Limit (90%tile)													
		Licence Limit (50%tile)									0.03				
		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			
2023 - 2024	2-May	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	31-May	Lowest	<0.001	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.001	<0.0002			
	2023	Highest	<0.001	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.001	<0.0002			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Jun	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	30-Jun	Lowest	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	0.150	0.011	<0.0002	<0.0002			
	2023	Highest	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	0.150	0.011	<0.0002	<0.0002			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Jul	No. Samples Collected	0	0	0	0	0	0	0	0	0	0			
	31-Jul	Lowest													
	2023	Highest													
		Exceedance (yes/no)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
2023 - 2024	1-Aug	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	31-Aug	Lowest	<0.001	<0.005	<0.001	<0.0002	<0.001	<0.0002	0.287	1.160	<0.0002	0.041			
	2023	Highest	<0.001	<0.005	<0.001	<0.0002	<0.001	<0.0002	0.287	1.160	<0.0002	0.041			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Sep	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	30-Sep	Lowest	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	0.002	<0.002	<0.0002	0.0056			
	2023	Highest	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	0.002	<0.002	<0.0002	0.0056			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Oct	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	31-Oct	Lowest	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.0002	0.0014			
	2023	Highest	0.002	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.0002	0.0014			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Nov	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	30-Nov	Lowest	0.001	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.0002	<0.0002			
	2023	Highest	0.001	<0.002	<0.001	<0.0002	<0.001	<0.0002	<0.001	<0.002	<0.0002	<0.0002			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Dec	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	31-Dec	Lowest	0.002	<0.005	0.001	0.0017	0.001	<0.0002	0	<0.005	0.0017	0.0341			
	2023	Highest	0.002	<0.005	0.001	0.0017	0.001	<0.0002	0	<0.005	0.0017	0.0341			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Jan	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	31-Jan	Lowest	0.002	1.24	<0.001	0.0327	0.002	0.0013	0.292	0.098	0.0300	0.174			
	2023	Highest	0.002	1.24	<0.001	0.0327	0.002	0.0013	0.292	0.098	0.0300	0.174			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Feb	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	29-Feb	Lowest	0.002	<0.002	<0.001	<0.0002	<0.001	0.0004	0.005	<0.002	0.0004	0.0276			
	2023	Highest	0.002	<0.002	<0.001	<0.0002	<0.001	0.0004	0.005	<0.002	0.0004	0.0276			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Mar	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	31-Mar	Lowest	0.002	<0.002	<0.001	<0.005	<0.001	<0.005	0.014	<0.002	<0.0024	0.0334			
	2023	Highest	0.002	<0.002	<0.001	<0.005	<0.001	<0.005	0.014	<0.002	<0.0024	0.0334			
		Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			
2023 - 2024	1-Apr	No. Samples Collected	1	1	1	1	1	1	1	1	1	1			
	1-May	Lowest	0.001	<0.002	0.001	<0.0002	0.003	<0.0002	<0.001	<0.002	<0.0002	<0.0002			
	2023	Highest	0.001	<0.002	0.001	<0.0002	0.003	<0.0002	<0.001	<0.002	<0.0002	<0.0002			
	2024	Exceedance (yes/no)	No	No	No	No	No	No	No	No	No	No			

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