



Monthly 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 sulfide)	Nitrogen (ammonia)	Total Suspended Solids	Biochemical Oxygen Demand		
		Licence Limit	40	6.0 - 9.0	None		2.7	None					
		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	Month	Averaging Period	1 Hour Block	6 Minute Rolling	1 Day Block	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Grab Sample	Reason for Missing Data	Publishing Date
2018 - 2019 May	2-May 31-May 2018	No. Samples Collected	720	43200	30	5	5	5	5	5	5	No Missing Data	15-Jun-18
		Lowest	17.6	6.9	0	<5	<0.05	<0.1	0.01	1	<2		
		Highest	22.1	7.4	6207	<5	<0.05	<0.2	0.03	23	3		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Jun	1-Jun 30-Jun 2018	No. Samples Collected	720	43200	30	5	5	5	5	5	5	No Missing Data	10-Jul-18
		Lowest	14.8	6.7	0	<5	<0.05	<0.1	0.01	4	<2		
		Highest	16.7	7.3	9886	<5	<0.05	<0.1	0.04	8	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Jul	1-Jul 31-Jul 2018	No. Samples Collected	744	44640	31	4	4	4	4	4	4	No Missing Data	6-Aug-18
		Lowest	14.7	6.7	0	<5	<0.05	<0.1	0.02	5	<2		
		Highest	15.8	7.2	6514	<5	<0.05	<0.1	0.04	8	2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Aug	1-Aug 31-Aug 2018	No. Samples Collected	744	44640	31	4	4	4	4	4	4	No Missing Data	17-Sep-18
		Lowest	14.9	6.9	0	<5	<0.05	<0.1	0.02	<1	<2		
		Highest	16.2	7.4	6645	9	<0.05	<0.1	0.09	6	2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Sep	1-Sep 30-Sep 2018	No. Samples Collected	720	43200	30	4	4	4	4	4	4	No Missing Data	12-Oct-18
		Lowest	15.1	6.9	0	<5	<0.05	<0.1	0.03	4	<2		
		Highest	19.9	7.2	11489	<5	<0.05	<0.1	0.09	6	4		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Oct	1-Oct 31-Oct 2018	No. Samples Collected	744	44640	31	5	5	5	5	5	5	No Missing Data	9-Nov-18
		Lowest	19.6	6.9	0	<5	<0.05	<0.1	<0.01	4	<2		
		Highest	21.8	7.0	7837	<5	<0.05	<0.1	0.05	7	11		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Nov	1-Nov 30-Nov 2018	No. Samples Collected	720	43200	30	3	3	3	3	3	3	No Missing Data	10-Dec-18
		Lowest	21.6	6.9	0	<5	<0.05	<0.1	0.03	4	<2		
		Highest	24.3	7.3	6200	<5	<0.05	<0.1	0.04	6	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Dec	1-Dec 31-Dec 2018	No. Samples Collected	744	44640	31	4	4	4	4	4	4	No Missing Data	15-Jan-19
		Lowest	23.2	6.9	0	<5	<0.05	<0.1	0.03	<1	<2		
		Highest	26.3	7.2	6227	<5	<0.05	<0.1	0.07	25	7		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Jan	1-Jan 31-Jan 2019	No. Samples Collected	744	44640	31	4	4	4	4	4	4	No Missing Data	11-Feb-19
		Lowest	25.3	7.0	0	<5	<0.05	<0.1	0.01	2	<2		
		Highest	28.3	7.4	6429	<5	<0.05	<0.1	0.07	12	2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Feb	1-Feb 28-Feb 2019	No. Samples Collected	672	40320	28	4	4	4	4	4	4	No Missing Data	11-Mar-19
		Lowest	23.8	6.8	0	<5	<0.05	<0.1	0.01	2	<2		
		Highest	27.7	7.2	6340	<5	<0.05	<0.1	0.03	5	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Mar	1-Mar 31-Mar 2019	No. Samples Collected	744	44640	31	4	4	4	4	4	4	No Missing Data	12-Apr-19
		Lowest	23.7	6.7	0	<5	<0.05	<0.1	<0.01	<1	<2		
		Highest	26.2	7.1	6342	<5	<0.05	<0.1	0.03	25	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2018 - 2019 Apr	1-Apr 1-May 2019	No. Samples Collected	744	44640	31	3	3	3	3	3	3	No Missing Data	13-May-19
		Lowest	23	6.8	0	<5	<0.05	<0.1	<0.01	7	<2		
		Highest	25	7.3	9495	<5	<0.05	<0.1	0.02	16	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		

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EPA Point		Point 27, Yena Gap Effluent, Wet Weather By-Pass Conditions				Reason for Missing Data	Publishing Date
Pollutant		Oil and Grease (Wet)	Phenols (Wet)	Total Suspended Solids (Wet)	Biochemical oxygen demand (Wet)		
Licence Limit		70	5	100	350		
Unit of Measure		mg/l	mg/l	mg/l	mg/l		
Monitoring Frequency Required by Licence		Daily	Daily	Daily	Daily		
Reporting Period	Month	Averaging Period	Grab Sample	Grab Sample	Grab Sample	Grab Sample	
2018 - 2019 May	2-May 31-May 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Jun	1-Jun 30-Jun 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Jul	1-Jul 31-Jul 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Aug	1-Aug 31-Aug 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Sep	1-Sep 30-Sep 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Oct	1-Oct 31-Oct 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Nov	1-Nov 30-Nov 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Dec	1-Dec 31-Dec 2018	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Jan	1-Jan 31-Jan 2019	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Feb	1-Feb 28-Feb 2019	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Mar	1-Mar 31-Mar 2019	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					
2018 - 2019 Apr	1-Apr 1-May 2019	No. Samples Collected	0	0	0	0	No Missing Data
		Lowest					
		Highest					
		Exceedance (yes/no)					

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EPA Point		Point 27, Yena Gap Effluent, Normal Operating Conditions										Reason for Missing Data	Publishing Date
Pollutant		Arsenic	Ethyl Benzene	Lead	Naphthalene	Nickel	Phenanthrene	Benzene	Toluene	Polycyclic Aromatic Hydrocarbons	2,4-Dimethyl-phenol		
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	Month	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		
2018 - 2019 May	2-May 31-May 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	15-Jun-18
		Lowest	0.002	<0.002	0.002	<0.0005	0.003	<0.0005	<0.001	<0.002	<0.0005		
		Highest	0.002	<0.002	0.002	<0.0005	0.003	<0.0005	<0.001	<0.002	<0.0005		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Jun	1-Jun 30-Jun 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	10-Jul-18
		Lowest	0.002	<0.002	<0.001	<0.0002	0.002	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0002	0.002	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Jul	1-Jul 31-Jul 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	6-Aug-18
		Lowest	0.001	<0.002	0.002	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0003		
		Highest	0.001	<0.002	0.002	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0003		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Aug	1-Aug 31-Aug 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	17-Sep-18
		Lowest	0.001	<0.002	<0.001	<0.0005	0.006	<0.0005	<0.001	<0.002	<0.0002		
		Highest	0.001	<0.002	<0.001	<0.0005	0.006	<0.0005	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Sep	1-Sep 30-Sep 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	12-Oct-18
		Lowest	0.002	<0.002	<0.001	<0.0002	0.007	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0002	0.007	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Oct	1-Oct 31-Oct 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	9-Nov-18
		Lowest	0.004	<0.002	<0.001	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.004	<0.002	<0.001	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Nov	1-Nov 30-Nov 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	10-Dec-18
		Lowest	0.002	<0.002	<0.001	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Dec	1-Dec 31-Dec 2018	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	15-Jan-19
		Lowest	0.003	<0.002	<0.001	<0.0002	0.006	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.003	<0.002	<0.001	<0.0002	0.006	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Jan	1-Jan 31-Jan 2019	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	11-Feb-19
		Lowest	0.003	<0.002	<0.001	<0.0002	0.006	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.003	<0.002	<0.001	<0.0002	0.006	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Feb	1-Feb 28-Feb 2019	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	11-Mar-19
		Lowest	0.003	<0.002	<0.001	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.003	<0.002	<0.001	<0.0002	0.008	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Mar	1-Mar 31-Mar 2019	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	12-Apr-19
		Lowest	<0.001	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002		
		Highest	<0.001	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		
2018 - 2019 Apr	1-Apr 1-May 2019	No. Samples Collected	1	1	1	1	1	1	1	1	1	No Missing Data	13-May-19
		Lowest	0.001	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002		
		Highest	0.001	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No		

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