



# 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
2016 - 2017 May	02-May 31-May 2016	No. Samples Collected	720	43200	30	5	5	5	5	5	5	No data missing	15/06/2016
		Lowest	18	6.9	0	<5	<0.05	<0.1	0.01	<1	<2		
		Highest	23	7.4	8204	<5	<0.05	<0.1	0.34	20	3		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Jun	01-Jun 30-Jun 2016	No. Samples Collected	720	43200	30	5	5	5	5	5	5	No data missing	18/07/2016
		Lowest	16	6.5	0	<5	<0.05	<0.1	<0.01	2	<2		
		Highest	19	7.3	10433	8	<0.05	<0.1	0.03	7	6		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Jul	01-Jul 31-Jul 2016	No. Samples Collected	744	44640	31	5	5	5	5	5	5	No data missing	04/08/2016
		Lowest	16	6.8	0	<5	<0.05	<0.1	<0.01	4	<2		
		Highest	18	7.1	7706	<5	<0.05	<0.1	0.12	7	3		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Aug	01-Aug 31-Aug 2016	No. Samples Collected	744	44640	31	5	5	5	5	5	5	No data missing	14/08/2016
		Lowest	15	6.6	0	<5	<0.05	<0.1	<0.01	2	<2		
		Highest	19	7.0	8621	<5	<0.05	<0.1	0.11	9	4		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Sep	01-Sep 30-Sep 2016	No. Samples Collected	720	43200	30	5	5	5	5	5	5	No data missing	10/10/2016
		Lowest	18	6.6	0	<5	<0.05	<0.1	<0.01	2	<2		
		Highest	21	7.2	9833	<5	<0.05	<0.1	0.07	14	5		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Oct	01-Oct 31-Oct 2016	No. Samples Collected	744	44640	31	5	5	5	5	5	5	No data missing	11/11/2016
		Lowest	20	6.9	0	<5	<0.05	<0.1	0.02	4	<2		
		Highest	22	7.2	6411	<5	<0.05	<0.1	0.18	12	4		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Nov	01-Nov 30-Nov 2016	No. Samples Collected	720	43200	30	4	4	4	4	4	4	No data missing	06/12/2016
		Lowest	22	7.0	0	<5	<0.05	<0.1	<0.01	4	<2		
		Highest	25	7.3	7180	<5	<0.05	<0.1	0.02	6	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Dec	01-Dec 31-Dec 2016	No. Samples Collected	744	44640	31	3	3	3	3	3	3	No data missing	11/01/2017
		Lowest	24	7.0	0	<5	<0.05	<0.1	0.01	3	<2		
		Highest	27	7.4	9092	<5	<0.05	<0.1	0.02	6	4		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Jan	01-Jan 31-Jan 2017	No. Samples Collected	744	44640	31	3	3	3	3	3	3	No data missing	06/02/2017
		Lowest	27	7.1	0	<1	<0.05	<0.1	<0.01	<1	<2		
		Highest	29	7.4	6239	1	<0.05	<0.1	0.04	4	6		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Feb	01-Feb 28-Feb 2017	No. Samples Collected	672	40320	28	5	5	5	5	5	5	No data missing	16/03/2017
		Lowest	25	7.1	0	<1	<0.05	<0.1	0.01	1	<2		
		Highest	28	7.4	8049	2	<0.05	<0.1	0.09	3	<2		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Mar	01-Mar 31-Mar 2017	No. Samples Collected	744	44640	31	5	5	5	5	5	5	No data missing	06/04/2017
		Lowest	23	6.7	0	<5	<0.05	<0.1	0.02	2	<2		
		Highest	26	7.8	10019	<5	<0.05	<0.1	0.14	7	5		
		Exceedance (yes/no)	No	No	N/A	No	No	N/A	No	No	No		
2016 - 2017 Apr	01-Apr 01-May 2017	No. Samples Collected	744	44640	31	5	5	5	5	5	5	No data missing	12/05/2017
		Lowest	21	6.8	0	<5	<0.05	<0.1	0.02	<1	<2		
		Highest	23	7.2	9707	8	<0.05	<0.1	0.08	6	7		
		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		
2016 - 2017 May	02-May 31-May 2016	No. Samples Collected					No data missing	15/06/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Jun	01-Jun 30-Jun 2016	No. Samples Collected					No data missing	18/07/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Jul	01-Jul 31-Jul 2016	No. Samples Collected					No data missing	04/08/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Aug	01-Aug 31-Aug 2016	No. Samples Collected					No data missing	14/08/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Sep	01-Sep 30-Sep 2016	No. Samples Collected					No data missing	10/10/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Oct	01-Oct 31-Oct 2016	No. Samples Collected					No data missing	11/11/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Nov	01-Nov 30-Nov 2016	No. Samples Collected					No data missing	06/12/2016
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Dec	01-Dec 31-Dec 2016	No. Samples Collected					No data missing	11/01/2017
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Jan	01-Jan 31-Jan 2017	No. Samples Collected					No data missing	06/02/2017
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Feb	01-Feb 28-Feb 2017	No. Samples Collected					No data missing	16/03/2017
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Mar	01-Mar 31-Mar 2017	No. Samples Collected					No data missing	06/04/2017
		Lowest						
		Highest						
		Exceedance (yes/no)						
2016 - 2017 Apr	01-Apr 01-May 2017	No. Samples Collected					No data missing	12/05/2017
		Lowest						
		Highest						
		Exceedance (yes/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-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	24 Hour Composite Sample	Reason for Missing Data	Publishing Date
2016 - 2017 May	02-May 31-May 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	15/06/2016
		Lowest	0.005	<0.002	<0.001	<0.0002	0.005	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.005	<0.002	<0.001	<0.0002	0.005	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Jun	01-Jun 30-Jun 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	18/07/2016
		Lowest	0.01	<0.002	<0.001	0.0031	0.005	<0.0005	<0.001	<0.002	0.0031	0.0052		
		Highest	0.01	<0.002	<0.001	0.0031	0.005	<0.0005	<0.001	<0.002	0.0031	0.0052		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Jul	01-Jul 31-Jul 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	04/08/2016
		Lowest	0.004	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.004	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Aug	01-Aug 31-Aug 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	14/08/2016
		Lowest	0.002	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0002	0.004	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Sep	01-Sep 30-Sep 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	10/10/2016
		Lowest	0.002	<0.002	<0.001	<0.0002	0.002	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0002	0.002	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Oct	01-Oct 31-Oct 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	11/11/2016
		Lowest	0.002	<0.002	<0.001	<0.0002	0.005	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.002	<0.002	<0.001	<0.0002	0.005	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Nov	01-Nov 30-Nov 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	06/12/2016
		Lowest	0.004	<0.002	<0.001	<0.0002	0.006	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.004	<0.002	<0.001	<0.0002	0.006	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Dec	01-Dec 31-Dec 2016	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	11/01/2017
		Lowest	0.004	<0.002	<0.001	<0.0002	0.005	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.004	<0.002	<0.001	<0.0002	0.005	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Jan	01-Jan 31-Jan 2017	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	06/02/2017
		Lowest	0.005	<0.002	<0.001	<0.0005	0.004	<0.0005	<0.001	<0.002	<0.0005	<0.0005		
		Highest	0.005	<0.002	<0.001	<0.0005	0.004	<0.0005	<0.001	<0.002	<0.0005	<0.0005		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Feb	01-Feb 28-Feb 2017	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	16/03/2017
		Lowest	0.011	<0.002	<0.001	<0.0005	0.004	<0.0005	<0.001	<0.002	<0.0005	<0.0005		
		Highest	0.011	<0.002	<0.001	<0.0005	0.004	<0.0005	<0.001	<0.002	<0.0005	<0.0005		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Mar	01-Mar 31-Mar 2017	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	06/04/2017
		Lowest	0.005	<0.002	<0.001	<0.0002	0.003	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.005	<0.002	<0.001	<0.0002	0.003	<0.0002	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		
2016 - 2017 Apr	01-Apr 01-May 2017	No. Samples Collected	1	1	1	1	1	1	1	1	1	1	No data missing	12/05/2017
		Lowest	0.005	<0.002	<0.001	<0.0002	0.004	<0.0005	<0.001	<0.002	<0.0002	<0.0002		
		Highest	0.005	<0.002	<0.001	<0.0002	0.004	<0.0005	<0.001	<0.002	<0.0002	<0.0002		
		Exceedance (yes/no)	No	N/A	No	N/A	No	N/A	N/A	N/A	No	N/A		

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