

Water Monitoring Report

POEO Act (1997) monitoring data

Gore Bay Port Facility – Manns Avenue, Greenwich NSW 2065

Environment Protection Licence (EPL) Number 661, held by Viva Energy Australia Pty Ltd

Record updated on: 15 February 2021

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Gore Bay Port Facility has 4 licensed water discharge points as specified in the EPL 661. Figure 1 shows the locations of monitoring points 1 and 2. Monitoring points 4 and 5 are not fixed points and so are not shown on the Figure. The water quality monitoring requirements are specified in the EPL 661, including licence limits for water quality parameters and volume. Monitoring data is provided for Point 1, Point 2, Point 4 and Point 5. A log of corrections to data is also provided.

Figure 1



EPA MONITORING POINTS



Legend
Site boundary

Source: Imagery © Neamap 2020

EPA ID No 1 – CPI South						
Pollutant	Oil and Grease	Biochemical Oxygen Demand (BOD)	Total Organic Carbon (TOC)	Total Petroleum Hydrocarbons (TPH)	Data obtained Date	Publishing Date
Licence Limit	10.0	50.0	-	-		
Units of Measure	mg/L	mg/L	mg/L	mg/L		
Frequency as per EPL	Monthly	Monthly	Monthly	Monthly		
03/01/2017	<5	<5	5.7	0.621		16/02/2017
07/02/2017	<5	<5	6.0	<0.65		27/03/2017
07/03/2017	<5	<5	11	<0.65		27/03/2017
04/04/2017	10	<5	7.6	<0.65		08/05/2017
02/05/2017	<5	<5	9.4	<0.65		14/06/2017
06/06/2017	<5	<5	11	<0.65		13/07/2017
04/07/2017	6	<5	6.1	<0.65		13/07/2017
01/08/2017	<5	<5	9.0	<0.65		10/08/2017
05/09/2017	<5	6	9.7	1.47		22/09/2017
04/10/2017	<5	<5	3.2	<0.65		16/10/2017
07/11/2017	<5	<5	6.0	<0.65		20/11/2017
05/12/2017	<5	<5	7.7	<0.65		20/12/2017
2017 Average	<5	<5	7.7	<0.65		
11/01/2018	7	<5	9.2	<0.65		19/02/2018
07/02/2018	<5	<5	7.2	<0.65		19/02/2018
06/03/2018	<5	<5	8.5	<0.65		16/03/2018
03/04/2018	<5	<5	2.3	<0.65		09/05/2018
03/05/2018	<5	<5	6.9	<0.65		19/06/2018

EPA ID No 1 – CPI South						
Pollutant	Oil and Grease	Biochemical Oxygen Demand (BOD)	Total Organic Carbon (TOC)	Total Petroleum Hydrocarbons (TPH)	Data obtained Date	Publishing Date
Licence Limit	10.0	50.0	-	-		
Units of Measure	mg/L	mg/L	mg/L	mg/L		
Frequency as per EPL	Monthly	Monthly	Monthly	Monthly		
05/06/2018	<5	18	21	<0.65		19/06/2018
03/07/2018	<5	<5	4.4	<0.65		15/08/2018
10/08/2018	<5	<5	1.4	<0.65		05/11/2018
04/09/2018	<5	6	9.5	0.84		05/11/2018
16/10/2018	<5	<5	8.6	<0.65		05/11/2018
06/11/2018	<5	<5	4.5	<0.65		31/12/2018
04/12/2018	<5	<5	11.0	<0.65		31/12/2018
2018 Average	<5	<5	7.7	<0.65		
02/01/2019	<5	<5	5.4	<0.65		25/03/2019
05/02/2019	<5	<5	6.2	<0.65		25/03/2019
05/03/2019	<5	<5	5.9	<0.65		25/03/2019
02/04/2019	<5	<5	5.1	<0.65		11/06/2019
07/05/2019	<5	<5	2.9	<0.65		11/06/2019
12/06/2019	<5	<5	8.7	1.1		19/08/2019
02/07/2019	<5	<5	7.5	<0.65		19/08/2019
06/08/2019	<5	<5	5.2	<0.65		19/08/2019
03/09/2019	<5	<5	4.9	<0.65		23/10/2019
01/10/2019	<5	<5	5.3	<0.65		23/10/2019
13/11/2019	<5	<5	4.3	<0.65		11/12/2019
03/12/2019	<5	<5	7.1	<0.65		11/12/2019

EPA ID No 1 – CPI South						
Pollutant	Oil and Grease	Biochemical Oxygen Demand (BOD)	Total Organic Carbon (TOC)	Total Petroleum Hydrocarbons (TPH)	Data obtained Date	Publishing Date
Licence Limit	10.0	50.0	-	-		
Units of Measure	mg/L	mg/L	mg/L	mg/L		
Frequency as per EPL	Monthly	Monthly	Monthly	Monthly		
2019 Average	<5	<5	5.7	<0.65		
09/01/2020	<5	<5	6.3	<0.65		06/02/2020
04/02/2020	<5	<5	11	0.71		13/03/2020
03/03/2020	<5	8	8.2	3.0		13/03/2020
07/04/2020	<5	<5	5.4	0.36		18/05/2020
05/05/2020	20*	13	23	15		18/05/2020
14/05/2020	<5	NA	NA	<0.65		18/05/2020
02/06/2020	8	10	12	5.2		26/06/2020
06/07/2020	<5	<5	5.2	<0.65	13/07/2020	17/07/2020
04/08/2020	<5	<5	5.5	<0.65	12/08/2020	17/08/2020
01/09/2020	<5	7	6.3	<0.65	09/09/2020	11/09/2020
06/10/2020	<5	<5	5.4	<0.65	12/10/2020	19/10/2020
03/11/2020	<5	<5	5.2	<0.65	10/11/2020	16/11/2020
01/12/2020	<5	<5	8.2	<0.65	14/12/2020	23/12/2020
2020 Average	<5	<5	8.5	2.07		
04/01/2021	<5	<5	6.4	0.65	20/01/2021	21/01/2021
02/02/2021	<5	<5	5.6	<0.65	09/02/2021	15/02/2021
2021 Average	<5	<5	6.0	<0.65		

*05/05/2020 Results: Exceedance noted as a result of sample taken during scheduled interceptor cleaning activity.

EPA ID No 2 – CPI North						
Pollutant	Oil and Grease	Biochemical Oxygen Demand (BOD)	Total Organic Carbon (TOC)	Total Petroleum Hydrocarbons (TPH)	Data obtained Date	Publishing Date
Licence Limit	10.0	50.0	-	-		
Units of Measure	mg/L	mg/L	mg/L	mg/L		
Frequency as per EPL	Monthly	Monthly	Monthly	Monthly		
03/01/2017	<5	<5	5.3	1.01		16/02/2017
07/02/2017	1000*	6	9.5	1800		27/03/2017
07/03/2017	<5	<5	4.9	<0.65		27/03/2017
04/04/2017	14*	<5	4.1	0.55		08/05/2017
02/05/2017	<5	<5	4.9	<0.65		14/06/2017
03/01/2017	<5	<5	5.3	1.01		16/02/2017
June 2017	No sample CPI undergoing maintenance					13/07/2017
04/07/2017	5	<5	6.3	<0.65		13/07/2017
01/08/2017	<5	33	60	1.1		10/08/2017
05/09/2017	<5	<5	2.6	<0.65		22/09/2017
04/10/2017	<5	<5	6.3	<0.65		16/10/2017
07/11/2017	<5	<5	5.4	<0.65		20/11/2017
05/12/2017	<5	<5	11	<0.65		20/12/2017
2017 Average	94	19.5	10.9	164		
11/01/2018	11*	<5	11	2.4		19/02/2018
07/02/2018	<5	<5	6.1	<0.65		19/02/2018
06/03/2018	<5	<5	5	<0.65		16/03/2018

EPA ID No 2 – CPI North						
Pollutant	Oil and Grease	Biochemical Oxygen Demand (BOD)	Total Organic Carbon (TOC)	Total Petroleum Hydrocarbons (TPH)	Data obtained Date	Publishing Date
Licence Limit	10.0	50.0	-	-		
Units of Measure	mg/L	mg/L	mg/L	mg/L		
Frequency as per EPL	Monthly	Monthly	Monthly	Monthly		
03/04/2018	<5	<5	3.8	<0.65		09/05/2018
03/05/2018	<5	<5	5.6	<0.65		19/06/2018
05/06/2018	<5	<5	8.3	<0.65		19/06/2018
03/07/2018	<5	<5	2.7	<0.65		15/08/2018
10/08/2018	<5	<5	3.4	<0.65		05/11/2018
04/09/2018	<5	300*	260	<0.65		05/11/2018
16/10/2018	<5	<5	4.3	<0.65		05/11/2018
06/11/2018	<5	<5	4.7	<0.65		31/12/2018
04/12/2018	<5	<5	4.0	<0.65		31/12/2018
2018 Average	<5	27.3	26.6	<0.65		
02/01/2019	<5	<5	5.0	<0.65		25/03/2019
05/02/2019	<5	<5	16	0.76		25/03/2019
05/03/2019	<5	<5	6.9	<0.65		25/03/2019
02/04/2019	<5	<5	4.9	<0.65		11/06/2019
07/05/2019	<5	11	21	0.88		11/06/2019
12/06/2019	<5	<5	9.9	<0.65		19/08/2019
02/07/2019	<5	<5	4.2	<0.65		19/08/2019
06/08/2019	<5	<5	6.9	0.85		19/08/2019
03/09/2019	<5	<5	3.2	<0.65		23/10/2019
01/10/2019	<5	<5	4.1	<0.65		23/10/2019

EPA ID No 2 – CPI North						
Pollutant	Oil and Grease	Biochemical Oxygen Demand (BOD)	Total Organic Carbon (TOC)	Total Petroleum Hydrocarbons (TPH)	Data obtained Date	Publishing Date
Licence Limit	10.0	50.0	-	-		
Units of Measure	mg/L	mg/L	mg/L	mg/L		
Frequency as per EPL	Monthly	Monthly	Monthly	Monthly		
13/11/2019	<5	<5	7.3	<0.65		11/12/2019
03/12/2019	<5	7	13	1.2		11/12/2019
2019 Average	<5	<5	8.5	<0.65		
09/01/2020	<5	<5	5.9	<0.65		06/02/2020
04/02/2020	<5	<5	4.6	<0.65		13/03/2020
03/03/2020	<5	<5	27	0.74		13/03/2020
07/04/2020	<5	<5	6.6	<0.32		18/05/2020
05/05/2020	<5	6	11	2.1		18/05/2020
02/06/2020	<5	<5	3.8	0.78		26/06/2020
06/07/2020	<5	<5	5.1	<0.65	13/07/2020	17/07/2020
04/08/2020	<5	<5	5.4	<0.65	12/08/2020	17/08/2020
01/09/2020	<5	6	9.2	<0.65	09/09/2020	11/09/2020
06/10/2020	<5	<5	5.0	<0.65	12/10/2020	19/10/2020
03/11/2020	<5	<5	3.9	<0.65	10/11/2020	16/11/2020
22/12/2020	<5	<5	4.3	1.2	12/01/2021	21/01/2021
2020 Average	<5	<5	7.7	<0.65		
04/01/2021	<5	<5	3.6	0.88	20/01/2021	21/01/2021
02/02/2021	<5	<5	9.6	<0.65	09/02/2021	15/02/2021
2021 Average	<5	<5	6.6	<0.65		

*Licence limit exceedance for oil and grease noted on 7/2/2017, 4/4/2017 and 11/1/2018 and for BOD on 4/9/2018.

EPA ID No 4 – Flexible Discharge Point					
Pollutant	pH	Total Organic Carbon (TOC)	Total Suspended Solids (TSS)	Data obtained Date	Publishing Date
Licence Limit	6.0-9.0	100	50		
Units of Measure	pH	mg/L	mg/L		
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge		
January 2017	No discharge			NA	16/02/2017
February 2017	No discharge			NA	15/03/2017
March 2017	No discharge			NA	08/05/2017
April 2017	No discharge			NA	08/05/2017
May 2017	No discharge			NA	14/06/2017
June 2017	No discharge			NA	13/07/2017
July 2017	No discharge			NA	10/08/2017
August 2017	No discharge			NA	22/09/2017
September 2017	No discharge			NA	16/10/2017
October 2017	No discharge			NA	20/11/2017
November 2017	No discharge			NA	20/12/2017
December 2017	No discharge			NA	19/02/2018
January 2018	No discharge			NA	19/02/2018
February 2018	No discharge			NA	19/02/2018
March 2018	No discharge			NA	16/03/2018
April 2018	No discharge			NA	09/05/2018
May 2018	No discharge			NA	19/06/2018
June 2018	No discharge			NA	15/08/2018
July 2018	No discharge			NA	15/08/2018
August 2018	No discharge			NA	05/11/2018

EPA ID No 4 – Flexible Discharge Point					
Pollutant	pH	Total Organic Carbon (TOC)	Total Suspended Solids (TSS)	Data obtained Date	Publishing Date
Licence Limit	6.0-9.0	100	50		
Units of Measure	pH	mg/L	mg/L		
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge		
September 2018	No discharge			NA	05/11/2018
October 2018	No discharge			NA	05/11/2018
November 2018	No discharge			NA	31/12/2018
December 2018	No discharge			NA	31/12/2018
January 2019	No discharge			NA	25/03/2019
February 2019	No discharge			NA	25/03/2019
March 2019	No discharge			NA	11/06/2019
April 2019	No discharge			NA	11/06/2019
May 2019	No discharge			NA	11/06/2019
June 2019	No discharge			NA	19/08/2019
July 2019	No discharge			NA	19/08/2019
August 2019	No discharge			NA	23/10/2019
September 2019	No discharge			NA	23/10/2019
October 2019	No discharge			NA	11/12/2019
November 2019	No discharge			NA	11/12/2019
December 2019	No discharge			NA	14/01/2020
January 2020	No discharge			NA	06/02/2020
February 2020	No discharge			NA	13/03/2020
March 2020	No discharge			NA	18/05/2020
April 2020	No discharge			NA	18/05/2020

EPA ID No 4 – Flexible Discharge Point					
Pollutant	pH	Total Organic Carbon (TOC)	Total Suspended Solids (TSS)	Data obtained Date	Publishing Date
Licence Limit	6.0-9.0	100	50		
Units of Measure	pH	mg/L	mg/L		
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge		
May 2020	No discharge			NA	26/06/2020
June 2020	No discharge			NA	17/07/2020
July 2020	No discharge			NA	17/08/2020
August 2020	No discharge			NA	11/09/2020
September 2020	No discharge			NA	19/10/2020
October 2020	No discharge			NA	16/11/2020
November 2020	No discharge			NA	21/12/2020
December 2020	No discharge			NA	21/01/2021
January 2021	No discharge			NA	15/02/2021

EPA ID No 5 – Flexible Discharge Point					
Pollutant	pH	Total Organic Carbon (TOC)	Total Suspended Solids (TSS)	Data obtained Date	Publishing Date
Licence Limit	6.0-9.0	100	50		
Units of Measure	pH	mg/L	mg/L		
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge		
January 2017	No discharge			NA	16/02/2017
February 2017	No discharge			NA	15/03/2017
March 2017	No discharge			NA	08/05/2017
April 2017	No discharge			NA	08/05/2017
May 2017	No discharge			NA	14/06/2017
June 2017	No discharge			NA	13/07/2017
July 2017	No discharge			NA	10/08/2017
August 2017	No discharge			NA	22/09/2017
September 2017	No discharge			NA	16/10/2017
October 2017	No discharge			NA	20/11/2017
November 2017	No discharge			NA	20/12/2017
December 2017	No discharge			NA	19/02/2018
January 2018	No discharge			NA	19/02/2018
February 2018	No discharge			NA	19/02/2018
March 2018	No discharge			NA	16/03/2018
April 2018	No discharge			NA	09/05/2018
May 2018	No discharge			NA	19/06/2018
June 2018	No discharge			NA	15/08/2018
July 2018	No discharge			NA	15/08/2018
August 2018	No discharge			NA	05/11/2018

EPA ID No 5 – Flexible Discharge Point					
Pollutant	pH	Total Organic Carbon (TOC)	Total Suspended Solids (TSS)	Data obtained Date	Publishing Date
Licence Limit	6.0-9.0	100	50		
Units of Measure	pH	mg/L	mg/L		
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge		
September 2018	No discharge			NA	05/11/2018
October 2018	No discharge			NA	05/11/2018
November 2018	No discharge			NA	31/12/2018
December 2018	No discharge			NA	31/12/2018
January 2019	No discharge			NA	25/03/2019
February 2019	No discharge			NA	25/03/2019
March 2019	No discharge			NA	11/06/2019
April 2019	No discharge			NA	11/06/2019
May 2019	No discharge			NA	11/06/2019
June 2019	No discharge			NA	19/08/2019
July 2019	No discharge			NA	19/08/2019
August 2019	No discharge			NA	23/10/2019
September 2019	No discharge			NA	23/10/2019
October 2019	No discharge			NA	11/12/2019
November 2019	No discharge			NA	11/12/2019
December 2019	No discharge			NA	14/01/2020
January 2020	No discharge			NA	06/02/2020
February 2020	No discharge			NA	13/03/2020
March 2020	No discharge			NA	18/05/2020
April 2020	No discharge			NA	18/05/2020

EPA ID No 5 – Flexible Discharge Point					
Pollutant	pH	Total Organic Carbon (TOC)	Total Suspended Solids (TSS)	Data obtained Date	Publishing Date
Licence Limit	6.0-9.0	100	50		
Units of Measure	pH	mg/L	mg/L		
Frequency as per EPL	<24 hrs prior to discharge	<24 hrs prior to discharge	<24 hrs prior to discharge		
May 2020	No discharge			NA	26/06/2020
June 2020	No discharge			NA	17/07/2020
July 2020	No discharge			NA	17/08/2020
August 2020	No discharge			NA	11/09/2020
September 2020	No discharge			NA	19/10/2020
October 2020	No discharge			NA	16/11/2020
November 2020	No discharge			NA	21/12/2020
December 2020	No discharge			NA	21/01/2021
January 2021	No discharge			NA	15/02/2021

Correction Log – EPL No. 661						
Sample Point	Sample Date and Time	Original Data	Corrected Data	Date Corrected	Date originally published	Reason
EPA ID No.2	10 August 2018	No BOD data reported	Updated discharge data published	06/11/2018	15/08/2018	Original sample data from 7/8/2018 did not report BOD analysis
EPA ID No.1	5 May 2020	Oil and Grease data 20mg/L	Provided explanation of exceedance	22/07/2020	18/05/2020	Originally published data did not provide explanation of exceedance