

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: 21 March 2024

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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		
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
01/03/2021	<5	<5	5.7	<0.65	10/03/2021	23/03/2021
06/04/2021	<5	<5	5.2	<0.65	14/04/2021	15/04/2021
03/05/2021	<5	<5	6.3	<0.65	14/04/2021	15/04/2021

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		
01/06/2021	<5	<5	5.4	<0.65	09/06/2021	23/06/2021
13/07/2021	<5	<5	4.6	<0.65	21/07/2021	22/07/2021
03/08/2021	<5	<5	6.8	<0.65	11/08/2021	19/08/2021
07/09/2021	<5	8	9.8	2	14/09/2021	28/09/2021
05/10/2021	<5	<5	6.9	<0.65	19/10/2021	21/10/2021
02/11/2021	<5	<5	5.6	<0.65	09/11/2021	23/11/2021
07/12/2021	<5	<5	5.6	<0.32	15/12/2021	16/12/2021
2021 Average	<5	<5	6.2	<0.65		
04/01/2022	<5	<5	5.2	<0.65	12/01/2022	18/01/2022
03/02/2022	<5	<5	7.6	<0.65	10/02/2022	16/02/2022
01/03/2022	<5	<5	8.4	<0.65	07/03/2022	07/03/2022
05/04/2022	<5	<5	7.7	<0.65	12/04/2022	13/04/2022
03/05/2022	<5	<5	5.4	<0.65	10/05/2022	31/05/2022
29/06/2022	<5	<5	6.4	<0.65	06/07/2022	13/07/2022
05/07/2022	<5	<5	4.6	<0.65	12/07/2022	13/07/2022
02/08/2022	<5	<5	5.3	<0.65	09/08/2022	11/08/2022
13/09/2022	<5	<5	5.7	<0.65	20/09/2022	27/09/2022
04/10/2022	<5	<5	4.4	<0.65	12/10/2022	21/10/2022
01/11/2022	<5	<5	6.3	<0.65	08/11/2022	21/11/2022

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		
06/12/2022	<5	<5	6.0	<0.65	15/12/2022	22/12/2022
2022 Average	<5	<5	6.1	<0.65		
03/01/2023	<5	<5	5.3	<0.65	16/01/2023	23/01/2023
07/02/2023	<5	<5	6.4	<0.65	16/02/2023	24/02/2023
22/03/2023	<5	<5	6.8	<0.65	30/03/2023	31/03/2023
24/04/2023	<5	<5	4.9	<0.65	09/05/2023	11/05/2023
02/05/2023	<5	9	19	<0.65	09/05/2023	11/05/2023
06/06/2023	<5	<5	4.9	<0.65	14/06/2023	19/06/2023
04/07/2023	<5	<5	4.8	<0.32	11/07/2023	20/07/2023
01/08/2023	<5	<5	5.8	<0.32	08/08/2023	22/08/2023
06/09/2023	<5	<5	3.5	<0.32	14/09/2023	22/09/2023
03/10/2023	<5	<5	4.4	<0.32	11/10/2023	20/10/2023
07/11/2023	<5	<5	4.4	<0.32	14/11/2023	20/11/2023
04/12/2023	<5	<5	5.2	<0.32	13/12/2023	19/12/2023
2023 Average	<5	<5	6.3	<0.65		
02/01/2024	<5	<5	5.7	<0.32	11/01/2024	15/01/2024
06/02/2024	<5	<5	7.9	1.3	13/02/2024	21/02/2024
05/03/2024	<5	<5	4.8	<0.65	19/03/2024	21/03/2024
2024 Average	<5	<5	6.1	0.73		

*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		
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
01/03/2021	<5	<5	4.2	<0.65	10/03/2021	23/03/2021
06/04/2021	<5	<5	11	<0.65	14/04/2021	15/04/2021

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		
May 2021	No discharge				NA	23/06/2021
01/06/2021	<5	<5	8.1	<0.65	09/06/2021	23/06/2021
13/07/2021	<5	<5	4.7	<0.65	21/07/2021	22/07/2021
03/08/2021	<5	<5	10	<0.65	11/08/2021	19/08/2021
07/09/2021	<5	<5	6.3	1.2	14/09/2021	28/09/2021
05/10/2021	<5	<5	6.8	1.8	19/10/2021	21/10/2021
02/11/2021	<5	7	15	<0.65	09/11/2021	23/11/2021
07/12/2021	9	6	12	5.2	15/12/2021	16/12/2021
2021 Average	<5	<5	8.3	1.03		
04/01/2022	<5	<5	5.7	<0.65	12/01/2022	18/01/2022
03/02/2022	<5	<5	8.9	1.2	10/02/2022	16/02/2022
01/03/2022	<5	<5	4.5	<0.65	07/03/2022	07/03/2022
05/04/2022	<5	<5	4.1	<0.65	12/04/2022	13/04/2022
03/05/2022	<5	<5	4.2	<0.65	10/05/2022	31/05/2022
07/06/2022	<5	<5	4.7	<0.65	16/06/2022	29/06/2022
05/07/2022	<5	<5	2.1	<0.65	12/07/2022	13/07/2022
02/08/2022	<5	<5	4.5	<0.65	09/08/2022	11/08/2022
13/09/2022	<5	18	16	<0.65	20/09/2022	27/09/2022
04/10/2022	<5	<5	6.6	<0.65	12/10/2022	21/10/2022

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		
01/11/2022	<5	<5	5.3	<0.65	08/11/2022	21/11/2022
06/12/2022	<5	11	8.2	<0.65	15/12/2022	22/12/2022
2022 Average	<5	<5	6.2	<0.65		
03/01/2023	<5	<5	5.4	<0.65	16/01/2023	23/01/2023
07/02/2023	<5	<5	2.0	<0.65	16/02/2023	24/02/2023
22/03/2023	<5	<5	11	4.0	30/03/2023	31/03/2023
24/04/2023	<5	12	6.4	<0.65	09/05/2023	11/05/2023
02/05/2023	<5	<5	20	<0.65	09/05/2023	11/05/2023
06/06/2023	<5	<5	20	0.81	14/06/2023	19/06/2023
04/07/2023	<5	<5	6.8	0.82	11/07/2023	20/07/2023
01/08/2023	<5	26	21	<0.32	08/08/2023	22/08/2023
06/09/2023	<5	<5	5.0	0.33	14/09/2023	22/09/2023
03/10/2023	<5	<5	5.8	0.83	11/10/2023	20/10/2023
07/11/2023	<5	<5	6.0	1.3	14/11/2023	20/11/2023
04/12/2023	<5	<5	4.2	<0.32	13/12/2023	19/12/2023
2023 Average	<5	<5	9.5	0.81		
02/01/2024	<5	<5	5.4	0.83	11/01/2024	15/01/2024
06/02/2024	<5	<5	5.7	1.1	13/02/2024	21/02/2024
05/03/2024	<5	27	21	0.82	19/03/2024	21/03/2024

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		
2024 Average	<5	10.7	10.7	0.92		

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 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
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
February 2021		No discharge		NA	23/03/2021
March 2021		No discharge		NA	15/04/2021
April 2021		No discharge		NA	17/05/2021
May 2021		No discharge		NA	23/06/2021
June 2021		No discharge		NA	22/07/2021
July 2021		No discharge		NA	19/08/2021
August 2021		No discharge		NA	28/09/2021

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 2021		No discharge		NA	21/10/2021
October 2021		No discharge		NA	23/11/2021
November 2021		No discharge		NA	13/12/2021
December 2021		No discharge		NA	18/01/2022
January 2022		No discharge		NA	16/02/2022
February 2022		No discharge		NA	07/03/2022
March 2022		No discharge		NA	13/04/2022
April 2022		No discharge		NA	31/05/2022
May 2022		No discharge		NA	29/06/2022
June 2022		No discharge		NA	13/07/2022
July 2022		No discharge		NA	11/08/2022
August 2022		No discharge		NA	27/09/2022
September 2022		No discharge		NA	21/10/2022
October 2022		No discharge		NA	21/11/2022
November 2022		No discharge		NA	22/12/2022
December 2022		No discharge		NA	23/01/2023
January 2023		No discharge		NA	24/02/2023
February 2023		No discharge		NA	31/03/2023
March 2023		No discharge		NA	11/05/2023
April 2023		No discharge		NA	11/05/2023

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 2023	No discharge			NA	19/06/2023
June 2023	No discharge			NA	20/07/2023
July 2023	No discharge			NA	22/08/2023
August 2023	No discharge			NA	22/09/2023
September 2023	No discharge			NA	20/10/2023
October 2023	No discharge			NA	20/11/2023
7 November 2023 (Top)	7.5	1.4	5	08/11/2023	04/12/2023
7 November 2023 (Bottom)	7.5	1.2	11	08/11/2023	04/12/2023
December 2023	No discharge			NA	15/01/2024
January 2024	No discharge			NA	21/02/2024
February 2024	No discharge			NA	21/03/2024

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 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
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
February 2021		No discharge		NA	23/03/2021
March 2021		No discharge		NA	15/04/2021
April 2021		No discharge		NA	17/05/2021
May 2021		No discharge		NA	23/06/2021
June 2021		No discharge		NA	22/07/2021
July 2021		No discharge		NA	19/08/2021
August 2021		No discharge		NA	28/09/2021

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		
September 2021		No discharge		NA	21/10/2021
October 2021		No discharge		NA	23/11/2021
November 2021		No discharge		NA	13/12/2021
December 2021		No discharge		NA	18/01/2022
January 2022		No discharge		NA	16/02/2022
February 2022		No discharge		NA	07/03/2022
March 2022		No discharge		NA	13/04/2022
April 2022		No discharge		NA	31/05/2022
May 2022		No discharge		NA	29/06/2022
June 2022		No discharge		NA	13/07/2022
July 2022		No discharge		NA	11/08/2022
August 2022		No discharge		NA	27/09/2022
September 2022		No discharge		NA	21/10/2022
October 2022		No discharge		NA	21/11/2022
November 2022		No discharge		NA	22/12/2022
December 2022		No discharge		NA	23/01/2023
January 2023		No discharge		NA	24/02/2023
February 2023		No discharge		NA	31/03/2023
March 2023		No discharge		NA	11/05/2023
April 2023		No discharge		NA	11/05/2023

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 2023		No discharge		NA	19/06/2023
June 2023		No discharge		NA	20/07/2023
July 2023		No discharge		NA	22/08/2023
August 2023		No discharge		NA	22/09/2023
September 2023		No discharge		NA	20/10/2023
October 2023		No discharge		NA	20/11/2023
November 2023		No discharge		NA	04/12/2023
December 2023		No discharge		NA	15/01/2024
January 2024		No discharge		NA	21/02/2024
February 2024		No discharge		NA	21/03/2024

Correction Log – EPL No. 661						
Sample Point	Sample Date and Time	Original Data	Corrected Data	Date Corrected	Date originally published	Reason
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