

Nowra Wastewater Treatment Plant - Monitoring Summary

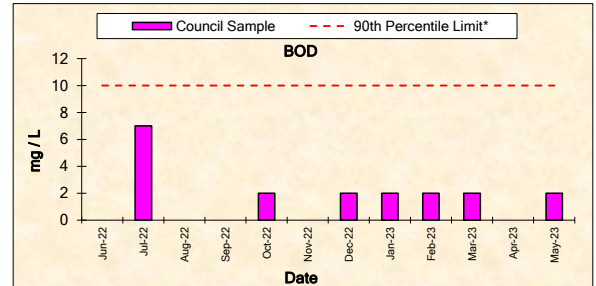
Licensee: Shoalhaven City Council, Shoalhaven Water, PO Box 42 Nowra 2541
(New WwTP - Environmental Discharge)

Environment Protection License No. 1735

EPA ID No. 8

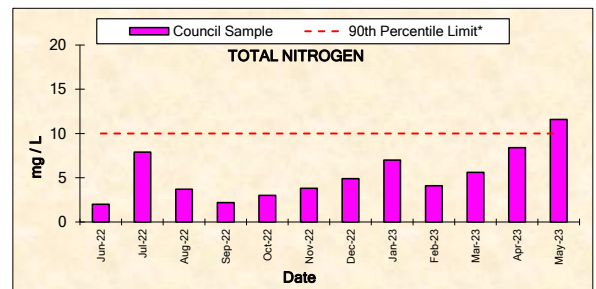
BOD

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	milligrams per litre (mg/L)	10	-	<2
Monthly	13-Jul-22	21-Jul-22	milligrams per litre (mg/L)	10	-	7
Monthly	03-Aug-22	11-Aug-22	milligrams per litre (mg/L)	10	-	<2
Monthly	07-Sep-22	15-Sep-22	milligrams per litre (mg/L)	10	-	<2
Monthly	05-Oct-22	19-Oct-22	milligrams per litre (mg/L)	10	-	2
Monthly	02-Nov-22	02-Nov-22	milligrams per litre (mg/L)	10	-	<2
Monthly	07-Dec-22	15-Dec-22	milligrams per litre (mg/L)	10	-	2
Monthly	09-Jan-23	16-Jan-23	milligrams per litre (mg/L)	10	-	2
Monthly	02-Feb-23	10-Feb-23	milligrams per litre (mg/L)	10	-	2
Monthly	01-Mar-23	09-Mar-23	milligrams per litre (mg/L)	10	-	2
Monthly	05-Apr-23	17-Apr-23	milligrams per litre (mg/L)	10	-	<2
Monthly	03-May-23	10-May-23	milligrams per litre (mg/L)	10	15	2



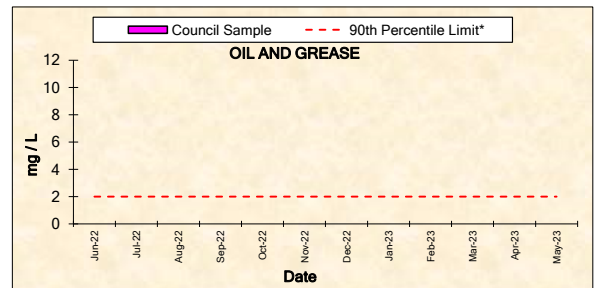
TOTAL NITROGEN

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	milligrams per litre (mg/L)	10	-	2.0
Monthly	13-Jul-22	21-Jul-22	milligrams per litre (mg/L)	10	-	7.9
Monthly	03-Aug-22	11-Aug-22	milligrams per litre (mg/L)	10	-	3.7
Monthly	07-Sep-22	15-Sep-22	milligrams per litre (mg/L)	10	-	2.2
Monthly	05-Oct-22	19-Oct-22	milligrams per litre (mg/L)	10	-	3.0
Monthly	02-Nov-22	02-Nov-22	milligrams per litre (mg/L)	10	-	3.8
Monthly	07-Dec-22	15-Dec-22	milligrams per litre (mg/L)	10	-	4.9
Monthly	09-Jan-23	16-Jan-23	milligrams per litre (mg/L)	10	-	7.0
Monthly	02-Feb-23	10-Feb-23	milligrams per litre (mg/L)	10	-	4.1
Monthly	01-Mar-23	09-Mar-23	milligrams per litre (mg/L)	10	-	5.6
Monthly	05-Apr-23	17-Apr-23	milligrams per litre (mg/L)	10	-	8.4
Monthly	03-May-23	10-May-23	milligrams per litre (mg/L)	10	15	11.6



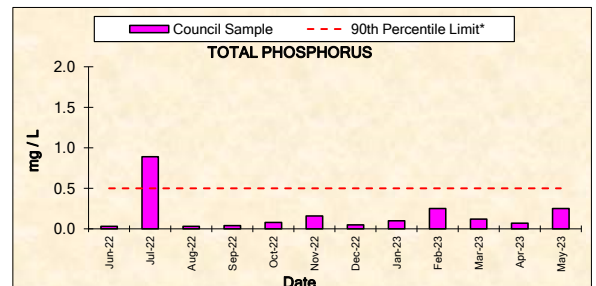
OIL AND GREASE

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	milligrams per litre (mg/L)	2	-	<1
Monthly	13-Jul-22	21-Jul-22	milligrams per litre (mg/L)	2	-	<1
Monthly	03-Aug-22	11-Aug-22	milligrams per litre (mg/L)	2	-	<1
Monthly	07-Sep-22	15-Sep-22	milligrams per litre (mg/L)	2	-	<1
Monthly	05-Oct-22	19-Oct-22	milligrams per litre (mg/L)	2	-	<1
Monthly	02-Nov-22	11-Nov-22	milligrams per litre (mg/L)	2	-	<1
Monthly	07-Dec-22	15-Dec-22	milligrams per litre (mg/L)	2	-	<1
Monthly	09-Jan-23	16-Jan-23	milligrams per litre (mg/L)	2	-	<1
Monthly	02-Feb-23	10-Feb-23	milligrams per litre (mg/L)	2	-	<1
Monthly	01-Mar-23	09-Mar-23	milligrams per litre (mg/L)	2	-	<1
Monthly	05-Apr-23	17-Apr-23	milligrams per litre (mg/L)	2	-	<1
Monthly	03-May-23	10-May-23	milligrams per litre (mg/L)	2	10	<1



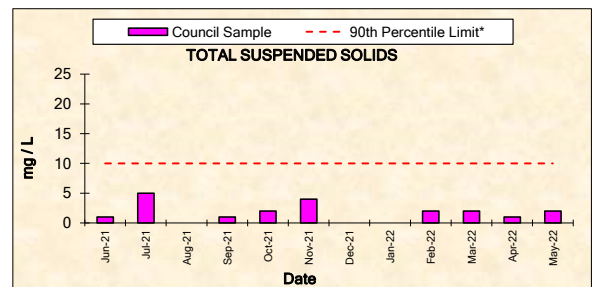
TOTAL PHOSPHORUS

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	milligrams per litre (mg/L)	0.5	-	0.03
Monthly	13-Jul-22	21-Jul-22	milligrams per litre (mg/L)	0.5	-	0.89
Monthly	03-Aug-22	11-Aug-22	milligrams per litre (mg/L)	0.5	-	0.03
Monthly	07-Sep-22	15-Sep-22	milligrams per litre (mg/L)	0.5	-	0.04
Monthly	05-Oct-22	19-Oct-22	milligrams per litre (mg/L)	0.5	-	0.08
Monthly	02-Nov-22	11-Nov-22	milligrams per litre (mg/L)	0.5	-	0.16
Monthly	07-Dec-22	15-Dec-22	milligrams per litre (mg/L)	0.5	-	0.05
Monthly	09-Jan-23	16-Jan-23	milligrams per litre (mg/L)	0.5	-	0.10
Monthly	02-Feb-23	10-Feb-23	milligrams per litre (mg/L)	0.5	-	0.25
Monthly	01-Mar-23	09-Mar-23	milligrams per litre (mg/L)	0.5	-	0.12
Monthly	05-Apr-23	17-Apr-23	milligrams per litre (mg/L)	0.5	-	0.07
Monthly	03-May-23	10-May-23	milligrams per litre (mg/L)	0.5	1.0	0.25



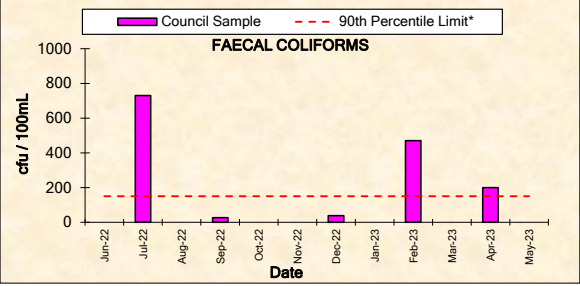
TOTAL SUSPENDED SOLIDS

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	milligrams per litre (mg/L)	10	-	1
Monthly	13-Jul-22	21-Jul-22	milligrams per litre (mg/L)	10	-	5
Monthly	03-Aug-22	11-Aug-22	milligrams per litre (mg/L)	10	-	<1
Monthly	07-Sep-22	15-Sep-22	milligrams per litre (mg/L)	10	-	1
Monthly	05-Oct-22	19-Oct-22	milligrams per litre (mg/L)	10	-	2
Monthly	02-Nov-22	11-Nov-22	milligrams per litre (mg/L)	10	-	4
Monthly	07-Dec-22	15-Dec-22	milligrams per litre (mg/L)	10	-	<1
Monthly	09-Jan-23	16-Jan-23	milligrams per litre (mg/L)	10	-	<1
Monthly	02-Feb-23	10-Feb-23	milligrams per litre (mg/L)	10	-	2
Monthly	01-Mar-23	09-Mar-23	milligrams per litre (mg/L)	10	-	2
Monthly	05-Apr-23	17-Apr-23	milligrams per litre (mg/L)	10	-	1
Monthly	03-May-23	10-May-23	milligrams per litre (mg/L)	10	20	2



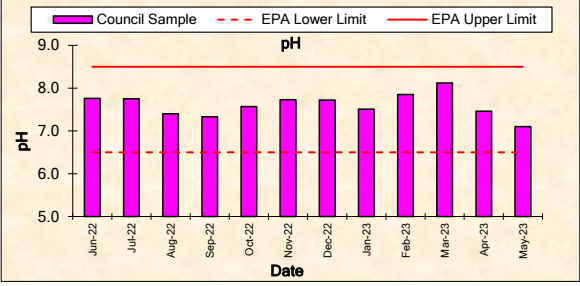
FAECAL COLIFORMS

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	<1
Monthly	13-Jul-22	21-Jul-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	730
Monthly	03-Aug-22	11-Aug-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	<1
Monthly	07-Sep-22	15-Sep-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	27
Monthly	05-Oct-22	19-Oct-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	~120
Monthly	02-Nov-22	11-Nov-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	~100
Monthly	07-Dec-22	15-Dec-22	colony forming units per 100 millilitres (cfu/100mL)	150	-	38
Monthly	09-Jan-23	16-Jan-23	colony forming units per 100 millilitres (cfu/100mL)	150	-	<1
Monthly	02-Feb-23	10-Feb-23	colony forming units per 100 millilitres (cfu/100mL)	150	-	470
Monthly	01-Mar-23	09-Mar-23	colony forming units per 100 millilitres (cfu/100mL)	150	-	~7
Monthly	05-Apr-23	17-Apr-23	colony forming units per 100 millilitres (cfu/100mL)	150	-	200
Monthly	03-May-23	10-May-23	colony forming units per 100 millilitres (cfu/100mL)	150	500	~3



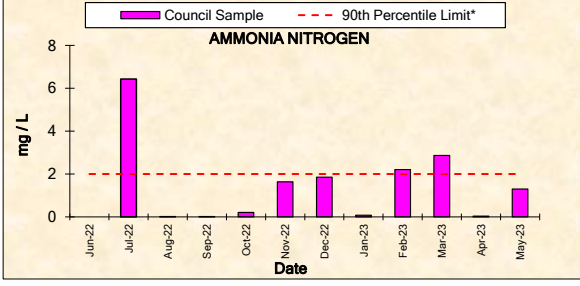
pH

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	100th Percentile Limit	Council Sample
Monthly	01-Jun-22	09-Jun-22	pH	6.5 - 8.5	7.8
Monthly	13-Jul-22	21-Jul-22	pH	6.5 - 8.5	7.8
Monthly	03-Aug-22	11-Aug-22	pH	6.5 - 8.5	7.4
Monthly	07-Sep-22	15-Sep-22	pH	6.5 - 8.5	7.3
Monthly	05-Oct-22	19-Oct-22	pH	6.5 - 8.5	7.6
Monthly	02-Nov-22	11-Nov-22	pH	6.5 - 8.5	7.7
Monthly	07-Dec-22	15-Dec-22	pH	6.5 - 8.5	7.7
Monthly	09-Jan-23	16-Jan-23	pH	6.5 - 8.5	7.5
Monthly	02-Feb-23	10-Feb-23	pH	6.5 - 8.5	7.9
Monthly	01-Mar-23	09-Mar-23	pH	6.5 - 8.5	8.1
Monthly	05-Apr-23	17-Apr-23	pH	6.5 - 8.5	7.5
Monthly	03-May-23	10-May-23	pH	6.5 - 8.5	7.1



AMMONIA NITROGEN

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	90th Percentile Limit*	100th Percentile Limit*	Council Sample
Monthly	01-Jun-22	09-Jun-22	milligrams per litre (mg/L)	2	-	<0.01
Monthly	13-Jul-22	21-Jul-22	milligrams per litre (mg/L)	2	-	6.43
Monthly	03-Aug-22	11-Aug-22	milligrams per litre (mg/L)	2	-	0.02
Monthly	07-Sep-22	15-Sep-22	milligrams per litre (mg/L)	2	-	0.02
Monthly	05-Oct-22	19-Oct-22	milligrams per litre (mg/L)	2	-	0.21
Monthly	02-Nov-22	11-Nov-22	milligrams per litre (mg/L)	2	-	1.64
Monthly	07-Dec-22	15-Dec-22	milligrams per litre (mg/L)	2	-	1.85
Monthly	09-Jan-23	16-Jan-23	milligrams per litre (mg/L)	2	-	0.08
Monthly	02-Feb-23	10-Feb-23	milligrams per litre (mg/L)	2	-	2.21
Monthly	01-Mar-23	09-Mar-23	milligrams per litre (mg/L)	2	-	2.87
Monthly	05-Apr-23	17-Apr-23	milligrams per litre (mg/L)	2	-	0.04
Monthly	03-May-23	10-May-23	milligrams per litre (mg/L)	2	5	1.30



* Note: 90th and 100th percentile limit compliance calculated on an annual basis

non-compliance notes:

Nowra Wastewater Treatment Plant - Monitoring Summary

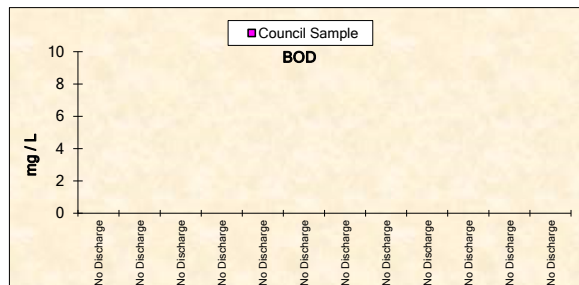
Licensee: Shoalhaven City Council, Shoalhaven Water, PO Box 42 Nowra 2541
(New WwTP - REMS Discharge)

Environment Protection License No. 1735

EPA ID No. 11

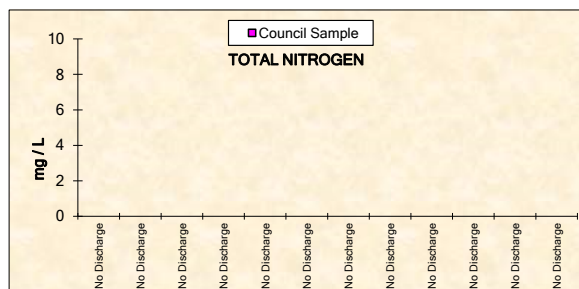
BOD

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Monthly	No Discharge		milligrams per litre (mg/L)	MONITORING	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	CONDITION	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-



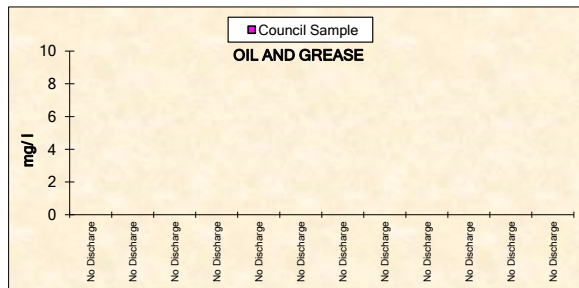
TOTAL NITROGEN

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Monthly	No Discharge		milligrams per litre (mg/L)	MONITORING	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	CONDITION	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-



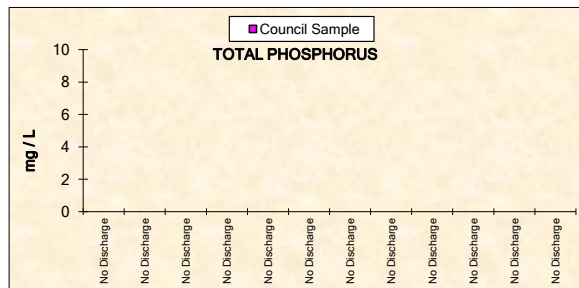
OIL AND GREASE

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Monthly	No Discharge		milligrams per litre (mg/L)	MONITORING	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	CONDITION	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-



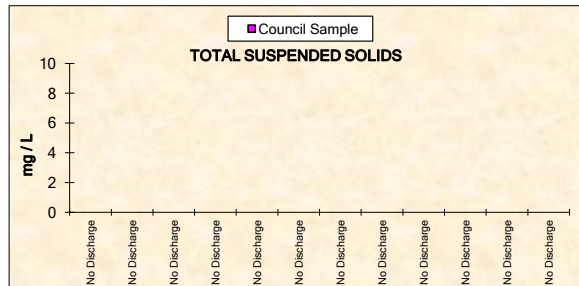
TOTAL PHOSPHORUS

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Monthly	No Discharge		milligrams per litre (mg/L)	MONITORING	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	CONDITION	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-



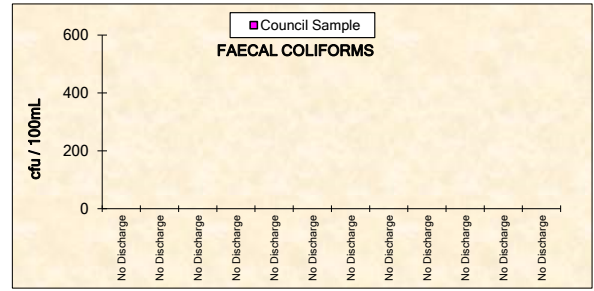
TOTAL SUSPENDED SOLIDS

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Monthly	No Discharge		milligrams per litre (mg/L)	MONITORING	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	CONDITION	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-

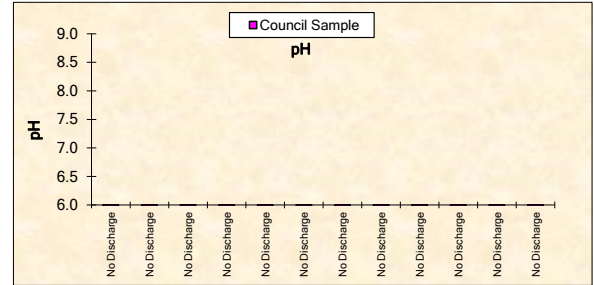


FAECAL COLIFORMS

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)	MONITORING	-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)	CONDITION	-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-
Special Frequency 1	No Discharge		colony forming units per 100 millilitres (cfu/100mL)		-

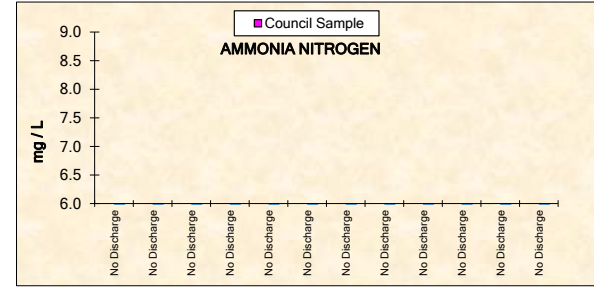


pH

[illegible]

AMMONIA NITROGEN

Frequency	Date Sample Obtained	Date Result Obtained	Unit of Measurement	EPA Limit	Council Sample
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	MONITORING	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)	CONDITION	-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-
Monthly	No Discharge		milligrams per litre (mg/L)		-



non-compliance notes: