

A link to Norco Foods licence is available here

<http://app.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=922&id=922&option=licence&searchrange=licence&range=PEO licence&prp=no&status=>

Norco Foods			
Address:	1 North Street, Raleigh, NSW 2454	EPA License Number	922

LICENCED DISCHARGE POINT

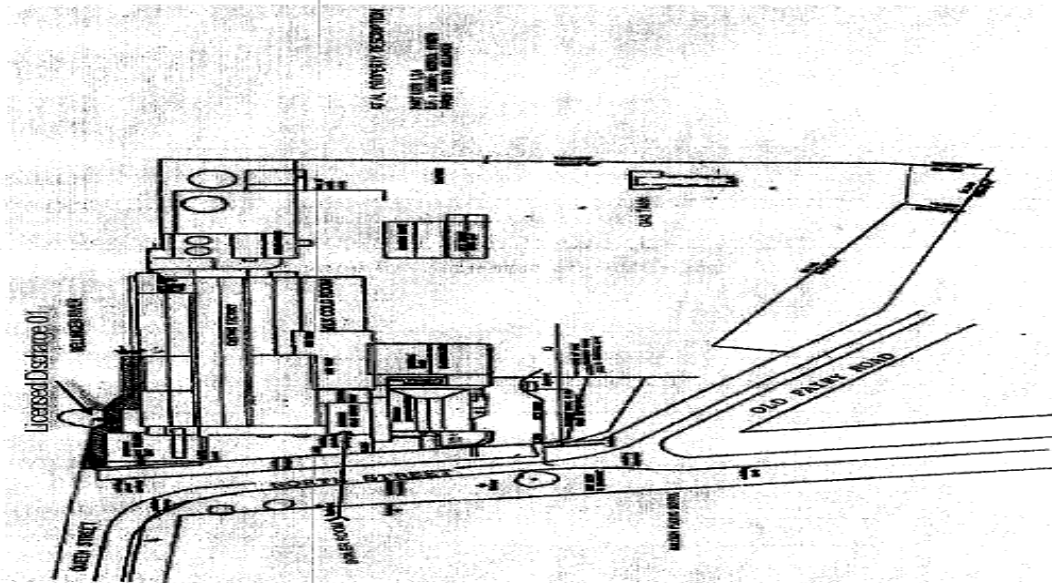
EPA Identification No1	Type of monitoring point	Type of Discharge point	Description of Location
	Discharge to waters.Effluent quality and volume monitoring	Discharge to waters.Effluent quality and volume monitoring.	Drain discharge to Bellinger River adjacent to THE Tanker Bay and labelled Licenced Discharge 01 on the Raleigh Factory General Site and Location Plan

Norco Foods, Raleigh

Ref: **M-900-RA**
 Issued: **12.10.2012**
 Version: **5**
 Authorised by: **Factory Manage**

ENVIRONMENTAL EMERGENCY PLAN

APPENDIX 4 NORCO FOODS RALEIGH SITE LOCATION AND PLAN



M-900-RA

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MONITORING SAMPLING FREQUENCY FOR LICENCED DISCHARGE POINT 01

Pollutant	Units of Measure	Frequency	Sampling method
Biochemical Oxygen Demand	milligrams per litre	Daily	Representative Sample
Nitrate +nitrate oxidised nitrogen	milligrams per litre	Weekly	Representative Sample
Nitrogen Total	milligrams per litre	Weekly	Representative Sample
Oil & Grease	milligrams per litre	Weekly	Representative Sample
Total Phosphorus	milligrams per litre	Weekly	Representative Sample
Total suspended Solids	milligrams per litre	Weekly	Representative Sample
PH	PH	Daily	Representative Sample

LIMITS FOR LICENCED DISCHARGE POINT 01 - Prior to 1 Nov 2017

Pollutant	Units of Measure	90 percentile concentration limit	100 percentile concentration limit
Ammonia	milligrams per litre	10	15
Oil & Grease	milligrams per litre	2	6

PH	PH		6.5-8.5
Total Nitrogen	milligrams per litre	12	20
Total Phosphorus	milligrams per litre	0.5	3
Total Suspended Solids	milligrams per litre	45	60
Biochemical Oxygen Demand	milligrams per litre	50	90

LIMITS FOR LICENCED DISCHARGE POINT 01 - Post 1 Nov 2017

Pollutant	Units of Measure	90 percentile concentration limit	100 percentile concentration limit
Ammonia	milligrams per litre	2	5
Oil & Grease	milligrams per litre	2	5
PH	PH		6.5-8.5
Total Nitrogen	milligrams per litre	10	20
Total Phosphorus	milligrams per litre	0.5	1
Total Suspended Solids	milligrams per litre	15	30
Biochemical Oxygen Demand	milligrams per litre	10	20

Volume & mass limits for Licenced Discharge Point 01

Point 01	Unit of measure	Volume /mass Limit
1	Kilolitres per day	400

POLLUTION INCIDENT MANAGEMENT RESPONSE PLAN

The following actions are necessary when there is a risk to human life or damage exceeds \$10,000 as required by M-90-3-

- Site meetings
- Employee induction, training and tool box sessions
- Briefs, notifications and alerts

External communication methods include:

- All significant BOD results notified to DECCA as per licence.
- Daily treated water test results sent to DECCA as required.
- Meetings and correspondence with interested parties (eg. Local council and DECCA) as necessary.
- All pollution incidents must be reported immediately
- All relevant authorities must be notified
- Dial 000 If there is a threat to human health or property eg Fire Hazmat
- Or if potential damage may exceeds \$10,000.
- If the incident does not require an initial combat agency the following relevant authorities must be notified.
- ARA The appropriate regulatory authority for the activity under the POEP Act (usually the EPA or local council)
- The EPA (if it is not the ARA) phone 131555 (24hr)
- The Ministry of Health Phone 000 Lismore northern branch 66202100
- Work Cover Authority Phone 131050 Coffs Harbour Branch 66591700
- The local authority (local Council) if not the ARA Bellingen branch 66557300
- Fire and rescue NSW Local Stations Urunga(66556309)Bellingen (66551433)
- Fire and rescue NSW 1300 729 579
- Raleigh primary school 66554228
- Neighbouring home George Finney 66554695
- Neighbouring home Mark White 66554512 Mobile 0413315320
- Neighbouring home B Regan (Walking distance)
- Oyster Farmer Mick Swanston Phone 66556345

Issued

		May 2012		Date		8th June	
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen
Maximum	8.03	24	2	25	3.14	0.17	6.17
Minimum	6.59	7	2	3	0.14	0.08	2.03
Mean	7.17	13.8	2	11.2	0.76	0.12	2.98

		June 2012		Date		6th July	
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen
Maximum	7.21	60	2	20	0.48	0.42	4.52
Minimum	6.65	9	2	13	0.12	0.03	2
Mean	7.03	21	2	17.3	0.26	0.2	3.12

		July 2012		Date		9th August	
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen
Maximum	7.24	50	2	18	3.99	0.26	7.95
Minimum	6.97	7	2	3	0.18	0.14	2.47
Mean	7.08	23	2	11	1.65	0.17	4.81

		August 2012		Date		8th September	
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen
Maximum	7.32	71	2	16	3.12	0.27	7.1
Minimum	6.78	7	2	8	0.34	0.06	3.09
Mean	6.81	18	2	11	1.78	0.18	5.31

		September 2012		Date		10th October		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.05	90	2	7	5.35	0.26	11.2	400
Minimum	7.02	7	2	4	0.12	0.11	2.19	125
Mean	7.11	18	2	5	2.25	0.16	5	230

		October 2012		Date		12th November		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.51	121	2	21	3.55	0.37	7.07	397
Minimum	7.29	7	2	6	0.05	0.12	1.54	125
Mean	7.38	34	2	13	0.95	0.19	3.26	254

		November 2012		Date		14th December		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.41	76	2	23	4.88	0.31	9.97	400
Minimum	7.17	8	2	11	0.05	0.12	3.01	160
Mean	6.78	36	2	15	1.26	0.24	5.73	285

		Demand		Solids				Daily
Maximum	7.57	112	2	13	0.78	0.06	7.15	400
Minimum	7.21	7	2	7	0.05	0.03	1.14	228
Mean	7.36	38	2	8	0.22	0.03	3.59	312

		October	Date		11th November 2014			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.85	106	2	46	4.83	0.29	10.4	400
Minimum	7.04	13	2	5	0.05	0.06	2.3	190
Mean	7.17	30	2	19	1.24	0.14	4.6	345

		November	Date		9th December 2014			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.84	92	2	26	0.09	0.52	6.11	400
Minimum	7.08	17	2	4	0.05	0.24	2.68	220
Mean	7.4	40	2	13	0.06	0.37	3.68	279

		December	Date		10th January 2015			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.93	116	2	34	0.75	0.32	6.29	400
Minimum	7	22	2	5	0.05	0.07	2.04	200
Mean	7.48	25	2	14	0.31	0.23	4.45	288

		January	Date		5th February 2015			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.94	110	2	12	0.49	0.22	5.3	300
Minimum	6.83	8	2	5	0.05	0.07	1.63	150
Mean	7.23	30	2	9.5	0.17	0.14	3.06	285

		February	Date		6th March 2015			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.54	112	2	9	0.83	0.22	3.97	400
Minimum	6.86	9	2	4	0.05	0.11	2.34	39
Mean	7.15	28.3	2	6	0.28	0.16	3.03	276

		March	Date		9th April 2015			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.77	87	2	44	2.82	0.37	7.26	400
Minimum	6.89	7	2	6	0.05	0.1	2.14	101
Mean	7.36	32	2	14	0.71	0.24	3.73	267

		April	Date		11th May 2015			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.86	50	2	9	0.36	0.25	4.45	400
Minimum	7.48	12	2	5	0.05	0.15	1.58	31
Mean	6.97	21	2	7	0.15	0.22	3.05	235

		May			Date		12th June 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	7.73	70	2	41	0.31	0.42	3.58	400	
Minimum	6.58	16	2	8	0.13	0.11	2.77	113	
Mean	6.96	33	2	23	0.05	0.31	1.65	225	

		June			Date		10th July 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	7.66	120	2	25	1.26	0.25	5.47	400	
Minimum	6.68	7	2	5	0.05	0.03	1.18	96	
Mean	7.23	30	2	15	0.38	0.12	2.54	221	

		July			Date		12th August 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	7.78	34	2	10	1.06	0.21	3.45	400	
Minimum	7.01	7	2	7	0.05	0.03	1.61	67	
Mean	7.61	21	2	9	0.47	0.1	2.28	251	

		August			Date		9th September 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.57	101	2	15	0.14	0.41	7.93	400	
Minimum	6.5	12	2	5	0.05	0.22	4.03	20	
Mean	7.69	23	2	11	0.09	0.37	5.73	300	

		September			Date		10th October 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	7.86	125	2	18	0.06	0.39	5.42	400	
Minimum	6.9	9	2	3	0.05	0.04	1.35	170	
Mean	7.43	32	2	10	0.05	0.19	3.65	358	

		October			Date		17th November 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	7.86	59	2	13	0.05	0.22	4.02	400	
Minimum	7.14	7	2	8	0.05	0.66	1.99	228	
Mean	6.8	25	2	10	0.05	0.14	2.6	370	

		November			Date		8th December 2015		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.17	123	2	25	0.16	0.47	3.66	400	
Minimum	6.82	7	2	11	0.05	0.07	1.92	230	
Mean	7.6	45	2	15	0.08	0.18	2.22	327	

		December			Date		15th January 2016		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres	

		Demand		Solids				Daily
Maximum	8.24	110	3	37	1.79	0.53	9.18	400
Minimum	8.17	20	2	11	0.05	0.19	2.28	131
Mean	7.56	42	2	19	0.38	0.31	4.24	226

		January			Date	12th February 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.29	44	2	24	1.27	0.85	7.13	350	
Minimum	8.07	7	2	15	0.52	0.55	3.18	152	
Mean	6.99	31	2	7	0.05	0.19	4.51	253	

		February			Date	10th March 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.26	163	2	44	0.58	0.37	10.9	277	
Minimum	7.1	13	2	11	0.12	0.22	2.37	141	
Mean	7.65	38	2	21	0.25	0.29	6.36	270	

		March			Date	11th April 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.26	86	<2	52	0.98	0.41	4	345	
Minimum	7.34	<7	<2	6	0.1	0.13	1.36	156	
Mean	7.99	29	<2	21	0.66	0.28	3.6	219	

		April			Date	12th May 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.26	95	<2	42	0.33	0.53	5.21	400	
Minimum	6.51	8	<2	16	0.06	0.15	3.96	91	
Mean	7.94	34	<2	23	0.2	0.34	4.87	287	

		May			Date	14th June 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.28	98	<2	42	0.54	0.23	8.47	389	
Minimum	6.68	17	<2	11	0.05	0.13	2.79	58	
Mean	7.51	32	<2	19	0.19	0.18	4.8	226	

		June			Date	8th July 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.46	71	<2	34	0.47	0.38	5.02	400	
Minimum	6.67	10	<2	11	<0.05	<0.03	3.5	95	
Mean	7.67	26	<2	18	0.11	0.18	4.24	310	

		July			Date	16th August 2016			
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily	
Maximum	8.11	115	<2	31	0.21	0.2	4.42	400	
Minimum	6.95	11	<2	10	<0.05	0.12	1.85	138	
Mean	7.58	31	<2	19	0.14	0.15	3.53	332	

		August		Date		15th September 2016		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.06	>120	<2	41	3.45	0.62	10.6	400
Minimum	7.23	16	<2	30	<0.05	0.27	5.22	209
Mean	7.63	36	<2	35	0.69	0.46	7.19	319

		September		Date		12th October 2016		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.18	>294	2	62	0.23	0.56	8.6	400
Minimum	6.88	16	2	29	<0.05	0.21	5.05	207
Mean	7.79	70.7	2	48	0.13	0.38	7.22	366

		October		Date		11th November 2016		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.68	>214	4	47	0.87	0.51	10.3	400
Minimum	7.2	19	<2	29	0.14	0.15	6.25	31
Mean	7.44	57	1	34	0.42	0.24	8.39	299

		November		Date		7th December 2016		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.58	>206	<2	54	1.05	0.6	8.82	397
Minimum	7.27	17	<2	28	<0.05	0.11	4.42	233
Mean	7.45	49	<2	42	0.31	0.25	6.17	345

		December		Date		19th January 2017		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.25	>202	2	60	1.41	0.26	7.46	376
Minimum	7.3	17	<2	30	<0.05	0.11	4.63	175
Mean	7.51	53	2	46	0.25	0.16	5.51	263

		Jan-17		Date		13th February 2017		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.5	74	4	40	1.41	0.41	7.54	390
Minimum	6.99	5	<2	24	0.21	0.21	6.06	153
Mean	7.73	24	2.7	31	0.75	0.32	7.03	289

		Feb-17		Date		10th March 2017		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.24	45	2	49	0.63	2.13	7.35	325
Minimum	7.88	11	<2	34	0.05	0.2	3.5	25
Mean	8.09	22	<2	40	0.35	0.65	5.2	230

		Mar-17		Date		6th March 2017		
	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.24	45	2	49	0.63	2.13	7.35	325
Minimum	7.88	11	<2	34	0.05	0.2	3.5	25
Mean	8.09	22	<2	40	0.35	0.65	5.2	230

	PH	Oxygen Demand	Grease	Suspended Solids	Nitrogen	Phosphorus	Nitrogen	Kilolitres Daily
Maximum	8.23	47	2	48	0.13	1.52	0.4	395
Minimum	6.7	7	<2	21	0.04	0.35	4.2	156
Mean	7.4	20	<2	34	0.11	0.79	5	275

Apr-17 Date 8th May 2017

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	8.5	>122	8	52	5.31	1.3	8.51	360
Minimum	6.8	18	1.9	12	0.06	0.42	2.95	117
Mean	7.57	38	4	30	2.07	1	6.64	258

May-17 Date 9th June 2017

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.4	154	1.9	19	0.87	2.13	11.7	359
Minimum	6.9	22	1.9	17	0.04	0.72	6.13	141
Mean	7.4	43	1.9	18	0.44	1.45	8.05	256

Jun-17 Date 9th July 2017

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.7	93	5	60	0.12	2.52	11.3	288
Minimum	6.8	10	1.9	9	0.04	0.69	6.08	163
Mean	7.1	27.4	2.6	32.25	0.08	9	8.15	244.2

Jul-17 Date

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.8	127	4	37	13	0.79	21	319
Minimum	6.8	8	1.9	12	0.04	0.14	1.7	154
Mean	7.07	29	2.45	21.5	3.3	0.36	7.29	236

Aug-17 Date

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.4	136	2	30	0.45	0.42	12.2	374
Minimum	6.5	7	1.9	11	0.04	0.13	2.65	157
Mean	6.9	31	1.9	16.8	0.49	0.25	6.2	261

Sep-17 Date 17-Oct

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.72	204	4	160	10.9	3.59	26.9	327
Minimum	6.9	12	1.9	10	1.06	0.36	5.58	95
Mean	7.26	51.63	2.43	86.25	5.72	1.91	16.35	212

Oct-17 Date 20-Dec

	PH	Biochem Oxygen Demand	Oil & Grease	Total Suspended Solids	Ammonia Nitrogen	Total Phosphorus	Total Nitrogen	Discharge Volume Kilolitres Daily
Maximum	7.77	6	1.9	15	20.2	1	23.9	331
Minimum	7.18	120	1.9	36	6.63	0.09	9.63	73

