

Sewerage Services Department Sarawak
Jabatan Perkhidmatan Pembetungan Sarawak

Year 2024 Tahun 2024	Effluent Result (mg/L)							
	Keputusan Efluen (mg/L)							
	Date	BOD ₅	COD	SS	O & G	Ammoniacal Nitrogen	Nitrate Nitrogen	Temperature °C
04/01/2024	6	28	16	N.D	0.24	5.80	29.70	7.00
10/01/2024	9	38	21	N.D	0.19	3.30	29.70	7.29
17/01/2024	4	18	15	N.D	1.11	3.30	29.70	7.29
24/01/2024	6	26	8	N.D	0.17	3.20	29.60	7.26
01/02/2024	6	28	17	N.D	0.25	5.90	28.10	7.37
07/02/2024	9	39	15	N.D	1.07	5.10	29.50	7.25
15/02/2024	5	23	13	N.D	0.63	3.40	27.70	7.05
21/04/2024	3	15	13	N.D	0.53	4.30	30.00	7.11
01/03/2024	6	29	11	N.D	0.18	3.00	28.80	7.44
06/03/2024	6	27	8	N.D	0.15	2.20	28.40	7.23
13/03/2024	5	21	15	N.D	0.10	2.90	27.80	7.12
20/03/2024	5	23	12	N.D	0.40	2.80	30.20	7.20
03/04/2024	7	29	14	N.D	0.10	3.20	30.40	7.56
09/04/2024	8	36	8	N.D	0.23	3.80	30.50	7.23
17/04/2024	9	39	13	N.D	0.18	2.60	31.10	7.50
24/04/2024	5	22	10	N.D	1.39	4.50	30.10	7.26
03/05/2024	5	23	6	N.D	0.90	7.20	30.80	7.10
08/05/2024	10	42	13	N.D	0.47	6.70	30.00	7.18
15/05/2024	7	29	17	N.D	0.34	5.00	30.30	7.30
24/05/2024	8	34	13	N.D	0.19	3.20	29.90	7.23
07/06/2024	7	29	7	N.D	0.24	4.80	29.70	7.16
12/06/2024	7	32	13	N.D	0.18	3.40	30.30	7.14
19/06/2024	7	30	9	N.D	0.21	1.80	30.10	6.87
26/06/2024	4	18	15	N.D	0.18	2.20	29.60	6.97
03/07/2024	13	58	7	N.D	0.21	3.30	28.40	7.25
11/07/2024	6	26	7	N.D	0.17	3.80	28.90	7.03
17/07/2024	4	17	7	N.D	0.18	2.60	30.70	7.37
25/07/2024	11	48	17	N.D	0.15	3.10	31.00	7.43

Note:
 Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Sewerage Services Department Sarawak
Jabatan Perkhidmatan Pembetungan Sarawak

Year 2023 Tahun 2023	Effluent Result (mg/L)							
	Date	BOD ₅	COD	SS	Keputusan Efluen (mg/L)			
O & G					Ammoniacal Nitrogen	Nitrate Nitrogen	Temperature °C	pH Value
27.1.2023	10	43	30	N.D	0.20	2.40	28.60	6.96
19.01.2023	11	47	9	N.D	0.20	2.10	29.30	7.17
11.01.2023	9	42	14	N.D	0.17	2.80	28.90	7.10
05.01.2023	7	30	13	N.D	0.14	3.00	27.40	7.27
22.02.2023	5	22	10	N.D	0.19	4.10	29.60	7.05
15.02.2023	5	23	13	N.D	0.20	4.40	29.20	7.17
08.02.2023	13	57	12	N.D	0.14	3.90	29.30	7.21
01.02.2023	6	25	12	N.D	0.14	1.10	28.50	7.07
22.03.2023	5	23	14	N.D	0.22	4.80	29.40	7.31
15.03.2023	6	28	17	N.D	0.18	4.90	28.40	7.31
08.03.2023	6	26	14	N.D	0.33	4.20	28.50	7.03
01.03.2023	6	27	24	N.D	0.21	4.80	27.20	7.04
27.04.2023	8	33	12	N.D	0.26	1.80	29.70	7.48
19.04.2024	6	27	16	N.D	0.14	2.50	31.10	7.22
12.04.2025	11	48	16	N.D	0.29	2.60	30.40	7.26
05.04.2026	7	30	24	N.D	0.19	3.40	29.90	7.03
24.05.2023	4	17	9	N.D	0.25	4.20	30.10	6.96
17.05.2023	7	30	20	N.D	0.30	1.50	31.30	7.15
10.05.2023	8	35	12	N.D	0.24	1.30	29.70	7.20
05.05.2023	8	35	11	N.D	0.15	2.30	31.20	7.33
08.06.2023	7	29	14	N.D	0.22	3.70	30.50	7.10
14.06.2023	10	42	18	N.D	0.52	1.50	31.20	7.22
21.06.2023	6	29	17	N.D	0.15	4.40	29.80	7.16
28.06.2023	6	29	17	N.D	0.15	4.80	31.00	6.84
05.06.2023	7	30	7	N.D	0.19	3.10	30.20	7.14
12.07.2023	9	40	10	N.D	0.21	4.00	30.20	7.17
20.07.2023	6	28	7	N.D	0.21	3.20	31.40	7.48
26.07.2023	4	20	4	N.D	0.19	4.20	30.90	7.65
02.08.2023	4	19	7	N.D	0.10	1.70	30.90	7.71
09.08.2023	5	23	15	N.D	0.33	4.40	30.20	6.89
16.08.2023	8	35	10	N.D	0.36	2.20	30.70	7.09
23.08.2023	4	17	19	N.D	0.18	3.70	28.70	7.13
06.09.2023	8	34	21	N.D	0.21	3.10	30.40	7.19
13.09.2023	6	26	17	N.D	0.32	2.00	29.80	7.16
20.09.2023	8	37	27	N.D	0.28	1.70	29.80	7.17
27.09.2023	6	27	22	N.D	0.71	5.40	30.30	7.01
04.10.2023	9	43	12	N.D	0.98	2.50	30.60	7.18
11.10.2023	8	36	18	N.D	6.10	3.30	30.90	6.99
18.10.2023	10	45	15	N.D	2.08	3.90	31.00	6.93
25.10.2023	6	25	14	N.D	3.00	4.70	24.60	7.01
01.11.2023	6	26	13	N.D	4.25	8.60	30.20	7.10
08.11.2023	4	18	11	N.D	6.90	9.00	29.80	7.11
15.11.2023	12	52	17	N.D	4.72	5.50	30.10	6.94
22.11.2023	6	29	16	N.D	3.00	6.30	30.50	6.52
06.12.2023	14	59	9	N.D	0.69	3.10	29.90	7.10
13.12.2023	5	22	12	N.D	0.23	3.60	29.60	7.00
20.12.2023	12	53	28	N.D	0.55	3.00	28.90	7.27
28.12.2023	6	26	14	N.D	0.14	7.10	30.70	7.60

Note:

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Sewerage Services Department Sarawak
Jabatan Perkhidmatan Pembetungan Sarawak

Year 2022 Tahun 2022	Effluent Result (mg/L) Keputusan Efluen (mg/L)							
	Date	BOD ₅	COD	SS	O & G	Ammoniacal Nitrogen	Nitrate Nitrogen	Temperature °C
21.12.2022	9	39	17	N.D	0.24	2.70	29.70	7.29
14.12.2022	8	35	10	N.D	0.37	3.10	28.30	7.29
7.12.2022	11	51	23	N.D	0.53	2.20	29.40	7.20
1.12.2022	11	49	13	N.D	0.47	3.40	28.90	7.34
23.11.2022	7	34	6	N.D	0.24	3.40	29.50	7.27
16.11.2022	11	47	14	N.D	0.18	3.10	28.80	7.27
9.11.2022	11	47	14	N.D	1.44	3.30	28.80	7.16
2.11.2022	8	35	20	N.D	1.88	2.70	28.40	7.15
26.10.2022	9	42	20	ND	4.52	3.40	29.80	7.25
19.10.2022	14	62	20	ND	2.72	7.10	28.70	7.19
13.10.2022	12	53	12	ND	1.34	4.10	28.50	7.16
5.10.2022	10	43	12	ND	1.38	4.10	29.20	7.03
21.9.2022	7	31	8	ND	1.89	2.70	28.50	7.01
14.9.2022	9	41	8	ND	2.20	3.10	28.80	7.03
7.9.2022	19	84	18	ND	3.92	4.00	29.40	7.05
2.9.2022	14	66	13	ND	3.00	3.30	29.80	7.16
24.8.2022	15	64	11	ND	2.26	3.70	29.40	7.15
17.8.2022	12	53	12	ND	0.95	2.40	29.70	7.00
10.8.2022	16	72	29	ND	1.89	3.40	30.70	7.12
3.8.2022	10	43	17	ND	1.97	3.40	29.00	7.04
27.7.2022	17	71	24	ND	3.78	4.80	29.40	7.23
20.7.2022	16	70	12	ND	1.28	2.90	31.60	7.10
14.7.2022	12	51	14	ND	0.16	2.50	29.00	6.93
6.7.2022	14	63	13	ND	0.78	3.80	29.90	7.06
29.6.2022	12	56	10	ND	0.26	3.90	29.90	6.84
22.6.2022	16	68	3	ND	3.40	3.60	29.90	7.15
15.6.2022	21	94	29	ND	0.83	3.60	29.60	7.42
9.6.2022	16	71	8	ND	0.27	3.60	29.10	7.28
25.5.2022	13	59	9	ND	0.06	3.00	30.60	7.70
18.5.2022	14	64	18	ND	1.31	3.40	29.90	7.35
11.5.2022	14	60	12	ND	0.13	2.40	30.30	7.36
6.5.2022	16	68	8	ND	0.16	3.20	30.50	7.11
27.4.2022	13	57	12	ND	3.10	3.70	30.20	7.04
20.4.2022	11	51	11	ND	3.54	4.70	29.30	7.22
13.4.2022	11	47	19	ND	4.06	3.40	29.60	7.16
6.4.2022	10	47	6	ND	0.94	3.40	30.50	7.24
23.3.2022	15	66	27	ND	3.72	4.80	29.40	7.20
16.3.2022	12	54	17	ND	2.36	4.80	28.80	7.25
9.3.2022	11	47	20	ND	4.98	5.80	29.20	7.29
2.3.2022	10	44	15	ND	0.05	4.40	29.40	7.39
23.2.2022	11	47	29	ND	0.25	3.30	29.70	7.52
16.2.2022	8	35	16	ND	6.65	4.50	28.80	7.32
9.2.2022	10	43	24	ND	1.93	3.40	29.70	7.34
4.2.2022	11	48	9	ND	0.18	3.70	30.20	7.43
26.1.2022	15	65	19	ND	2.52	1.90	28.10	7.20
19.1.2022	11	49	15	ND	0.14	2.70	28.20	7.10
12.1.2022	12	53	13	ND	2.46	2.60	27.30	7.14
6.1.2022	8	35	9	ND	0.15	3.30	28.90	7.17

Note:

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Sewerage Services Department Sarawak
Jabatan Perkhidmatan Pembetungan Sarawak

Year 2021 Tahun 2021	Effluent Result (mg/L)							
	Keputusan Efluen (mg/L)							
Date	BOD ₅	COD	SS	O & G	Ammoniacal Nitrogen	Nitrate Nitrogen	Temperature °C	pH Value
22.12.2021	11	50	38	ND	0.54	4.30	29.40	7.54
15.12.2021	11	49	13	ND	0.18	3.30	29.00	7.40
8.12.2021	16	68	13	ND	2.90	4.10	29.20	6.96
1.12.2021	13	56	27	ND	1.54	2.00	30.20	7.23
24.11.2021	9	38	5	ND	0.57	1.80	28.90	7.33
17.11.2021	10	43	5	ND	0.16	1.80	30.10	7.24
10.11.2021	12	54	27	ND	7.40	3.30	29.90	7.24
3.11.2021	11	49	11	ND	3.78	2.60	29.70	7.07
27.10.2021	11	50	12	ND	3.76	4.40	29.40	7.23
21.10.2021	13	63	19	ND	3.02	3.90	29.40	7.18
13.10.2021	8	33	12	ND	0.19	3.20	31.40	7.60
6.10.2021	7	34	13	ND	0.18	3.70	30.60	7.54
22.9.2021	11	47	13	ND	0.01	3.30	29.70	7.55
15.9.2021	10	48	16	ND	0.17	3.70	28.60	7.13
8.9.2021	10	48	28	ND	0.12	1.80	30.30	7.53
2.9.2021	11	57	12	ND	1.01	3.60	27.30	7.58
25.8.2021	11	54	43	ND	0.68	3.20	28.90	7.50
18.8.2021	10	51	47	ND	0.91	3.40	29.30	7.30
12.8.2021	13	67	86	ND	0.92	3.30	29.70	7.81
4.8.2021	11	55	49	ND	0.25	3.50	30.40	7.20
21.7.2021	9	46	33	ND	0.48	3.60	30.70	8.39
14.7.2021	13	63	46	ND	1.80	4.20	29.70	7.86
8.7.2021	12	59	24	ND	0.13	3.40	30.10	8.15
1.7.2021	10	48	17	ND	0.17	3.40	29.20	8.04
23.6.2021	10	49	34	ND	0.15	3.00	29.10	7.97
16.6.2021	11	57	34	ND	0.26	3.30	30.30	7.98
10.6.2021	14	69	48	ND	0.74	4.10	30.60	8.01
4.6.2021	12	58	26	ND	0.11	2.90	32.00	8.19
28.5.2021	10	48	14	ND	0.13	2.90	28.30	7.52
20.5.2021	11	55	33	ND	0.21	2.90	28.70	7.47
12.5.2021	11	53	15	ND	0.79	3.10	30.90	7.72
5.5.2021	9	47	34	ND	0.12	2.40	28.00	7.79
21.4.2021	9	47	23	ND	0.15	3.20	29.60	7.73
14.4.2021	11	54	28	ND	0.34	2.60	29.90	7.82
7.4.2021	10	48	32	ND	0.34	2.70	30.10	7.85
1.4.2021	9	45	34	ND	0.17	3.40	30.20	7.64
24.3.2021	12	59	40	ND	0.77	3.40	30.20	7.45
17.3.2021	11	57	41	ND	0.96	3.70	30.30	7.67
10.3.2021	9	46	22	ND	0.29	4.30	28.60	7.94
3.3.2021	10	48	36	ND	0.24	3.40	29.90	7.91
24.2.2021	11	55	15	ND	0.17	3.50	28.60	7.94
17.2.2021	10	50	11	ND	0.30	3.30	29.20	7.89
10.2.2021	13	65	11	ND	0.07	3.80	28.00	7.66
3.2.2021	13	63	31	ND	0.25	4.20	28.30	7.86
27.1.2021	10	49	13	ND	0.03	3.20	28.00	7.84
20.1.2021	7	37	9	ND	0.69	3.60	29.00	7.88
13.1.2021	10	52	15	ND	1.72	3.80	26.80	7.85
6.1.2021	10	51	11	ND	0.21	3.60	28.80	7.85

Note:

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Sewerage Services Department Sarawak
Jabatan Perkhidmatan Pembetungan Sarawak

Year 2020 Tahun 2020	Effluent Result (mg/L) Keputusan Efluen (mg/L)				
Date	BOD ₅	COD	SS	O & G	NH ₃ -N
23.12.2020	8	40	30	ND	0.40
16.12.2020	11	53	15	ND	0.26
9.12.2020	11	57	21	ND	0.27
2.12.2020	7	37	22	ND	1.58
25.11.2020	9	45	13	ND	2.05
18.11.2020	10	48	13	ND	1.74
11.11.2020	10	50	24	ND	0.37
4.11.2020	10	52	32	ND	0.21
21.10.2020	12	58	9	ND	2.90
14.10.2020	7	38	13	ND	0.26
7.10.2020	10	48	15	ND	0.47
1.10.2020	10	49	10	ND	0.25
23.9.2020	8	42	7	ND	0.50
18.9.2020	8	38	11	ND	0.41
9.9.2020	8	38	12	ND	0.20
3.9.2020	10	51	22	ND	0.29
27.8.2020	8	39	13	ND	0.20
19.8.2020	8	40	11	ND	0.22
12.8.2020	8	39	13	ND	0.17
5.8.2020	9	45	20	ND	0.17
24.7.2020	8	40	9	ND	0.78
16.7.2020	9	46	12	ND	0.28
8.7.2020	13	61	16	ND	0.48
1.7.2020	13	66	10	ND	0.38
25.06.2020	13	66	15	ND	0.33
18.06.2020	16	78	16	ND	0.46
12.06.2020	15	72	11	ND	0.20
05.06.2020	10	48	23	ND	0.20
29.5.2020	10	48	14	ND	0.90
21.5.2020	11	53	20	ND	0.38
14.5.2020	11	52	27	ND	0.53
6.5.2020	15	75	9	ND	0.10
-	-	-	-	ND	-
29.4.2020	12	56	28	ND	0.27
23.4.2020	13	65	8	ND	0.22
17.4.2020	13	62	9	ND	0.28
-	-	-	-	ND	-
18.3.2020	19	89	27	ND	7.25
13.3.2020	15	67	20	ND	3.62
4.3.2020	10	49	24	ND	0.07
26.2.2020	10	49	14	ND	0.18
19.2.2020	12	59	10	ND	0.13
12.2.2020	10	47	9	ND	0.22
5.2.2020	9	44	9	ND	0.16
23.1.2020	10	51	10	ND	0.08
15.1.2020	9	45	11	ND	0.15
8.1.2020	12	59	12	ND	0.16
3.1.2020	9	45	15	ND	0.20

Note:

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Sewerage Services Department Sarawak *Jabatan Perkhidmatan Pembetungan Sarawak*

Year 2019 Tahun 2019	Effluent Result (mg/L) Keputusan Efluen (mg/L)			
Date	BOD₅	COD	SS	O & G
27.12.2019	8	41	12	ND
18.12.2019	8	39	10	ND
11.12.2019	9	43	12	ND
04.12.2019	9	46	7	ND
20.11.2019	8	42	8	ND
13.11.2019	8	41	10	ND
06.11.2019	8	42	11	ND
01.11.2019	9	46	11	ND
23.10.2019	9	44	9	ND
16.10.2019	11	54	17	ND
09.10.2019	12	61	7	ND
02.10.2019	16	78	16	ND
25.09.2019	10	48	17	ND
19.09.2019	21	101	13	ND
12.09.2019	11	55	10	ND
05.09.2019	12	58	10	ND
23.08.2019	12	58	19	ND
15.08.2019	12	61	9	ND
08.08.2019	17	84	15	ND
02.08.2019	13	62	9	ND
26.07.2019	9	43	13	ND
17.07.2019	10	48	14	ND
10.07.2019	14	68	23	ND
03.07.2019	13	62	19	ND
26.06.2019	13	63	19	ND
19.06.2019	10	52	19	ND
12.06.2019	13	66	14	ND
23.05.2019	13	65	16	ND
16.05.2019	11	53	27	ND
08.05.2019	11	56	15	ND
03.05.2019	13	63	11	ND
24.04.2019	12	58	18	ND
18.04.2019	18	86	58	ND
10.04.2019	15	72	18	ND
03.04.2019	14	66	15	ND
29.03.2019	16	78	26	ND
21.03.2019	11	57	14	ND
14.03.2019	10	48	9	ND
06.03.2019	10	52	24	ND
27.02.2019	12	58	16	ND
20.02.2019	13	68	16	ND
14.02.2019	10	52	17	ND
08.02.2019	9	47	19	ND
23.01.2019	14	70	27	ND
16.01.2019	11	56	19	ND
09.01.2019	9	46	15	ND
04.01.2019	11	52	20	ND

Note:

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NH₃-N
0.13
0.16
0.18
0.17
0.10
0.15
0.10
0.18
0.26
0.30
0.24
0.32
0.42
0.33
0.21
0.21
0.16
0.31
2.04
0.26
0.16
0.31
0.39
0.23
0.40
0.25
0.35
0.29
0.38
0.34
0.72
3.90
7.85
1.14
3.46
4.02
0.31
0.17
0.84
0.31
0.31
0.23
0.20
0.60
0.96
0.26
0.32

Sewerage Services Department Sarawak *Jabatan Perkhidmatan Pembetungan Sarawak*

Year 2018 Tahun 2018	Effluent Result (mg/L) Keputusan Efluen (mg/L)				
Date	BOD₅	COD	SS	O & G	NH₃-N
28.12.2018	14	68	11	ND	0.23
19.12.2018	10	48	12	ND	0.27
12.12.2018	13	63	14	ND	0.26
05.12.2018	9	44	14	ND	0.27
23.11.2018	13	66	21	ND	1.30
14.11.2018	10	49	18	ND	0.12
07.11.2018	13	62	13	ND	0.50
01.11.2018	9	46	13	ND	0.79
24.10.2018	11	56	27	ND	2.70
17.10.2018	15	72	16	ND	0.94
10.10.2018	15	74	26	ND	0.95
03.10.2018	8	41	10	ND	0.26
26.09.2018	9	46	16	ND	0.26
20.09.2018	13	65	17	ND	0.29
14.09.2018	13	64	11	ND	0.18
07.09.2018	9	47	7	ND	0.23
01.08.2018	12	60	11	ND	0.15
08.08.2018	9	46	18	ND	0.44
15.08.2018	12	60	6	ND	0.29
24.08.2018	10	52	4	ND	0.16
26.07.2018	9	46	12	ND	0.25
19.07.2018	11	56	17	ND	0.37
12.07.2018	10	48	11	ND	0.27
05.07.2018	9	46	8	ND	0.25
28.06.2018	11	54	16	ND	1.59
21.06.2018	13	65	27	ND	0.88
13.06.2018	7	38	11	ND	0.29
06.06.2018	8	42	19	ND	0.14
23.05.2018	10	50	49	ND	0.23
16.05.2018	9	47	27	ND	0.25
11.05.2018	11	51	26	ND	0.84
04.05.2018	10	51	34	ND	0.24
25.04.2018	10	50	22	ND	1.02
18.04.2018	9	45	18	ND	0.60
11.04.2018	10	52	27	ND	0.13
04.04.2018	16	76	18	ND	1.65
28.03.2018	9	46	15	ND	0.26
21.03.2018	10	47	14	ND	0.90
15.03.2018	12	58	29	ND	0.15
07.03.2018	13	62	13	ND	0.52
28.02.2018	8	41	11	ND	0.11
21.02.2018	10	50	26	ND	0.14
14.02.2018	9	43	14	ND	0.09
07.02.2018	9	46	10	ND	0.07
24.01.2018	10	50	18	ND	0.34
17.01.2018	10	50	18	ND	0.28
10.01.2018	10	49	18	ND	0.54
04.01.2018	12	58	10	ND	0.16

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Sewerage Services Department Sarawak/Jabatan Perkhidmatan Pembetungan Sarawak

Year 2017 Tahun 2017	Effluent Result (mg/L) Keputusan Efluen (mg/L)				
Date	BOD₅	COD	SS	O & G	NH₃-N
28.12.2017	10	52	14	ND	0.23
21.12.2017	10	48	15	ND	0.16
13.12.2017	10	48	12	ND	0.18
6.12.2017	10	48	27	ND	0.22
22.11.2017	11	57	8	ND	0.09
15.11.2017	12	57	10	ND	1.96
8.11.2017	14	68	13	ND	0.82
1.11.2017	11	56	12	ND	0.61
25.10.2017	13	63	14	ND	2.96
18.10.2017	13	64	11	ND	0.45
11.10.2017	14	68	64	ND	0.64
04.10.2017	11	54	22	ND	0.56
27/09/2017	11	53	37	ND	0.38
20/09/2017	10	52	23	ND	0.49
13/09/2017	11	52	47	ND	0.48
08/09/2017	11	56	15	ND	0.30
23/08/2017	10	52	29	ND	0.46
16/08/2017	11	57	18	ND	0.50
09/08/2017	9	46	21	ND	0.40
02/08/2017	13	63	14	ND	0.43
26/07/2017	13	64	12	ND	0.52
19/07/2017	13	62	19	ND	0.34
12/07/2017	14	68	29	ND	0.25
05/07/2017	17	82	44	ND	0.26
29/06/2017	10	48	34	ND	0.17
22/06/2017	18	88	32	ND	0.15
14/06/2017	15	72	35	ND	0.20
07/06/2017	10	49	31	ND	0.20
24/05/2017	14	66	28	ND	0.41
17/05/2017	15	70	9	ND	0.36
12/05/2017	12	59	26	ND	0.32
04/05/2017	10	47	6	ND	0.19
27/04/2017	11	54	11	ND	0.18
20/04/2017	10	48	7	ND	0.19
12/04/2017	12	59	11	ND	0.49
05/04/2017	11	56	7	ND	0.28
23/03/2017	13	63	9	ND	0.58
15/03/2017	14	68	9	ND	0.19
08/03/2017	12	60	7	ND	0.25
01/03/2017	9	46	13	ND	0.36
22/02/2017	8	41	8	ND	0.12
15/02/2017	10	52	6	ND	0.25
08/02/2017	9	45	6	ND	0.27
03/02/2017	8	41	29	ND	0.17
25/01/2017	9	46	16	ND	0.40
18/01/2017	9	43	12	ND	0.24
11/01/2017	11	57	10	ND	0.23
05/01/2017	8	37	20	ND	0.25

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Sewerage Services Department Sarawak *Jabatan Perkhidmatan Pembetungan Sarawak*

Year 2016 Tahun 2016	Effluent Result (mg/L) Keputusan Efluen (mg/L)				
Date	BOD₅	COD	SS	O & G	NH₃-N
29/12/2016	13	63	11	ND	0.34
22/12/2016	14	69	13	ND	0.80
15/12/2016	12	58	9	ND	0.14
07/12/2016	7	35	20	ND	0.10
23/11/2016	11	56	23	ND	1.03
16/11/2016	10	50	9	ND	0.20
09/11/2016	6	30	8	ND	0.29
02/11/2016	9	42	29	ND	0.80
26/10/2016	12	61	8	ND	0.18
19/10/2016	14	68	10	ND	0.96
12/10/2016	10	52	29	ND	0.11
06/10/2016	12	60	15	ND	0.70
21/09/2016	12	59	10	ND	0.75
14/09/2016	6	32	10	ND	0.39
08/09/2016	8	39	12	ND	0.20
02/09/2016	6	33	15	ND	0.29
24/08/2016	7	35	21	ND	0.83
17/08/2016	6	31	14	ND	0.94
10/08/2016	7	38	18	ND	0.16
03/08/2016	13	63	16	ND	0.28
27/07/2016	14	68	10	ND	0.33
20/07/2016	14	68	25	ND	0.33
13/07/2016	12	60	4	ND	0.16
05/07/2016	12	59	5	ND	0.57
29/06/2016	6	30	25	ND	0.46
22/06/2016	8	39	22	ND	0.29
15/06/2016	9	45	5	ND	0.64
08/06/2016	15	73	9	ND	0.28
25/05/2016	8	38	14	ND	0.52
18/05/2016	7	35	9	ND	2.22
11/05/2016	12	53	23	ND	0.27
04/05/2016	4	20	8	ND	0.60
28/04/2016	5	25	18	ND	0.89
20/04/2016	5	24	10	ND	0.27
13/04/2016	14	68	10	ND	0.49
06/04/2016	8	38	6	ND	0.37
23/03/2016	13	61	8	ND	0.49
17/03/2016	12	58	14	ND	0.53
09/03/2016	10	50	12	ND	0.37
02/03/2016	6	29	8	ND	0.29
24/02/2016	5	24	13	ND	0.24
17/02/2016	15	71	19	ND	1.17
12/02/2016	6	28	14	ND	0.53
05/02/2016	13	63	4	ND	0.42
27/01/2016	11	53	7	ND	0.50
20/01/2016	6	30	16	ND	0.27
13/01/2016	10	48	5	ND	0.20
06/01/2016	13	62	12	ND	0.50

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Year 2015

Date	Effluent Result (mg/L)				
	BOD ₅	COD	SS	O & G	NH ₃ -N
30/12/2015	7	33	5	ND	0.34
23/12/2015	9	45	12	ND	0.13
16/12/2015	5	24	6	ND	0.26
09/12/2015	7	36	8	ND	0.24
02/12/2015	11	52	17	ND	0.83
25/11/2015	12	59	24	ND	0.3
18/11/2015	6	30	41	ND	0.36
11/11/2015	9	46	2	ND	0.36
04/11/2015	12	58	18	ND	0.67
28/10/2015	7	35	3	ND	0.99
21/10/2015	6	29	20	ND	0.43
16/10/2015	4	22	4	ND	0.62
07/10/2015	8	38	4	ND	0.13
30/09/2015	5	23	13	ND	0.4
23/09/2015	11	52	5	ND	0.28
18/09/2015	11	55	14	ND	0.4
09/09/2015	11	54	8	ND	0.5
02/09/2015	11	53	11	ND	0.73
27/08/2015	7	34	16	ND	0.29
19/08/2015	6	29	8	ND	0.49
12/08/2015	7	34	13	ND	0.41
05/08/2015	10	44	23	ND	0.27
22/07/2015	10	49	14	ND	0.41
15/07/2015	16	78	10	ND	0.46
08/07/2015	10	49	8	ND	0.17
01/07/2015	8	37	10	ND	0.43
24/06/2015	5	24	7	ND	0.23
17/06/2015	5	24	10	ND	0.18
10/06/2015	5	24	4	ND	0.1
05/06/2015	7	34	8	ND	0.17
29/05/2015	10	52	4	ND	0.54
20/05/2015	6	28	10	ND	0.19
13/05/2015	9	44	9	ND	0.51
07/05/2015	8	38	8	ND	0.45
22/04/2015	14	69	5	ND	0.62
15/04/2015	14	68	17	ND	1.4
08/04/2015	11	53	4	ND	1.76
01/04/2015	11	51	17	ND	0.77
25/03/2015	11	53	29	ND	0.63
18/03/2015	7	34	6	ND	0.44
11/03/2015	5	24	30	ND	0.26
04/03/2015	5	23	8	ND	0.15
25/02/2015	5	24	7	ND	0.26
17/02/2015	6	28	9	ND	0.4
11/02/2015	5	23	3	ND	0.33
04/02/2015	6	29	10	ND	0.14
28/01/2015	8	37	28	ND	0.22
21/01/2015	22	89	3	ND	0.1
14/01/2015	13	64	10	ND	0.14
07/01/2015	11	52	4	ND	0.16

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Year 2014

Date	Effluent Result (mg/L)				
	BOD ₅	COD	SS	O & G	NH ₃ -N
24/12/2014	9	41	11	ND	0.68
17/12/2014	12	56	5	ND	0.19
10/12/2014	16	77	20	ND	0.11
04/12/2014	12	55	8	ND	0.3
26/11/2014	12	58	11	ND	0.24
19/11/2014	10	45	11	ND	0.21
12/11/2014	11	53	15	ND	0.25
05/11/2014	9	45	11	ND	0.19
22/10/2014	14	72	7	ND	0.19
15/10/2014	15	74	13	ND	0.08
08/10/2014	15	72	5	ND	0.36
01/10/2014	13	58	5	ND	0.28
24/09/2014	16	69	15	ND	0.25
19/09/2014	9	42	6	ND	0.45
10/09/2014	12	57	8	ND	0.29
04/09/2014	5	25	3	ND	0.3
20/08/2014	10	49	6	ND	0.33
13/08/2014	9	43	9	ND	0.33
06/08/2014	20	87	21	ND	0.39
01/08/2014	12	51	5	ND	0.93
25/07/2014	11	52	7	ND	0.2
16/07/2014	9	44	14	ND	0.16
09/07/2014	8	40	6	ND	0.25
02/07/2014	13	56	16	ND	0.5
25/06/2014	6	27	3	ND	0.2
18/06/2014	7	35	4	ND	0.29
11/06/2014	6	24	15	ND	0.38
05/06/2014	10	44	11	ND	0.21
30/05/2014	5	26	12	ND	0.24
21/05/2014	8	35	29	ND	0.24
14/05/2014	8	34	7	ND	0.17
07/05/2014	7	31	21	ND	0.32
30/04/2014	14	62	26	ND	0.18
23/04/2014	8	38	15	ND	0.18
16/04/2014	9	42	16	ND	0.31
09/04/2014	8	36	16	ND	0.1
03/04/2014	12	53	25	ND	0.24
26/03/2014	12	54	20	ND	0.2
19/03/2014	13	55	15	ND	0.26
12/03/2014	9	41	27	ND	0.28
05/03/2014	12	55	20	ND	0.19
26/02/2014	15	69	26	ND	0.19
19/02/2014	8	35	15	ND	0.17
12/02/2014	9	40	23	ND	0.26
05/02/2014	13	55	26	ND	0.26
29/01/2014	11	48	16	ND	0.22
22/01/2014	10	42	16	ND	0.57
17/01/2014	9	42	20	ND	0.29
08/01/2014	34	139	23	ND	0.31
03/01/2014	16	68	15	ND	0.23

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Year 2013

Date	Effluent Result (mg/L)				
	BOD ₅	COD	SS	O & G	NH ₃ -N
27/12/2013	15	71	8	ND	0.17
18/12/2013	13	57	8	ND	0.08
11/12/2013	19	82	23	ND	0.21
04/12/2013	5	21	25	ND	0.14
27/11/2013	11	48	21	ND	0.21
20/11/2013	8	38	5	ND	0.31
13/11/2013	13	60	13	ND	0.41
08/11/2013	6	27	8	ND	0.39
30/10/2013	7	30	5	ND	0.15
23/10/2013	5	20	8	ND	0.4
17/10/2013	21	89	10	ND	0.18
09/10/2013	9	40	10	ND	0.29
02/10/2013	11	52	14	ND	0.22
25/09/2013	6	28	9	ND	0.48
19/09/2013	9	45	12	ND	1.4
12/09/2013	8	39	14	ND	0.26
05/09/2013	13	58	9	ND	0.3
28/08/2013	11	53	13	ND	0.59
21/08/2013	15	69	24	ND	0.09
14/08/2013	19	84	27	ND	0.49
07/08/2013	9	42	19	ND	0.36
31/07/2013	16	68	20	ND	0.38
24/07/2013	13	58	19	ND	0.27
17/07/2013	12	54	16	ND	0.32
12/07/2013	9	40	14	ND	0.26
03/07/2013	19	74	9	ND	2.71
26/06/2013	12	58	7	ND	1.33
19/06/2013	8	42	11	ND	2.43
12/06/2013	8	39	22	ND	1.52
07/06/2013	11	54	8	ND	0.26
31/05/2013	9	42	12	ND	0.53
22/05/2013	10	44	5	ND	0.39
15/05/2013	8	29	5	ND	0.3
08/05/2013	7	28	5	ND	0.22
03/05/2013	9	39	6	ND	0.35
27/02/2013	11	49	15	ND	0.37
21/02/2013	12	48	9	ND	0.45
15/02/2013	12	57	20	ND	0.37
08/02/2013	12	48	14	ND	0.25
30/01/2013	8	33	6	ND	0.25
23/01/2013	9	35	14	ND	0.9
16/01/2013	15	43	19	ND	0.17
09/01/2013	9	39	20	ND	0.24
04/01/2013	6	24	6	ND	0.02

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Year 2012	Effluent Result (mg/L)				
	<i>Keputusan Efluen (mg/L)</i>				
Date	BOD ₅	COD	SS	O & G	NH ₃ -N
28/12/2012	6	27	7	ND	0.2
19/12/2012	10	40	6	ND	0.9
12/12/2012	7	28	7	ND	0.3
05/12/2012	16	65	9	ND	ND
28/11/2012	18	73	6	ND	0.32
21/11/2012	8	32	20	ND	0.65
14/11/2012	22	87	4	ND	0.26
07/11/2012	15	55	4	ND	0.29
24/10/2012	10	38	11	ND	0.04
17/10/2012	15	60	5	ND	0.17
10/10/2012	17	68	7	ND	0.28
05/10/2012	11	41	4	ND	0.54
26/09/2012	20	72	13	ND	0.84
20/09/2012	13	50	5	ND	0.32
12/09/2012	9	35	15	ND	0.28
05/09/2012	8	30	14	ND	0.22
29/08/2012	7	29	18	ND	0.23
24/08/2012	15	63	9	ND	0.18
17/08/2012	9	35	17	ND	0.32
08/08/2012	18	75	14	ND	0.43
01/08/2012	8	30	10	ND	0.64
25/07/2012	17	63	9	ND	2.19
18/07/2012	10	36	9	ND	0.91
11/07/2012	17	66	16	ND	0.4
05/07/2012	9	32	14	ND	0.28
27/06/2012	9	37	11	ND	0.31
20/06/2012	17	67	16	ND	0.32
13/06/2012	10	41	17	ND	0.42
07/06/2012	16	66	11	ND	0.21
23/05/2012	13	51	12	ND	0.38
16/05/2012	10	36	12	ND	0.3
06/05/2012	10	39	17	ND	0.63
03/05/2012	20	76	18	ND	1.02
25/04/2012	12	46	13	ND	0.93
07/03/2012	14	49	4	ND	0.23
22/02/2012	7	38	3	ND	0.19
15/02/2012	10	34	10	ND	0.18
08/02/2012	8	31	5	ND	0.24
02/02/2012	7	37	5	ND	0.28
27/01/2012	12	62	6	ND	0.28
11/01/2012	13	62	9	ND	0.16
04/01/2012	17	60	5	ND	0.2

Note:

Data is supplied by operator (Sar-Alam Indah Sdn Bhd).

Effluent Sampling Info

Effluent Sampling Date	Sampling Point	Result				
		BOD5	COD	SS	Oil & Grease	Am-N
29/12/2011	Effluent	9	45	4	ND<1	0.28
22/12/2011	Effluent	15	60	8	ND<1	0.62
14/12/2011	Effluent	14	63	8	ND<1	0.62
07/12/2011	Effluent	15	61	11	ND<1	0.33
01/12/2011	Effluent	8	39	21	ND<1	0.4
23/11/2011	Effluent	16	60	18	ND<1	0.19
16/11/2011	Effluent	14	52	11	ND<1	0.15
09/11/2011	Effluent	10	45	6	ND<1	0.18
02/11/2011	Effluent	12	53	12	ND<1	0.33
26/10/2011	Effluent	10	42	14	ND<1	0.24
19/10/2011	Effluent	16	54	25	ND<1	0.45
12/10/2011	Effluent	15	58	6	ND<1	0.54
05/10/2011	Effluent	16	62	11	ND<1	0.24
28/09/2011	Effluent	16	54	7	ND<1	0.29
21/09/2011	Effluent	14	49	6	ND<1	0.39
14/09/2011	Effluent	12	55	5	ND<1	0.31
07/09/2011	Effluent	14	49	4	ND<1	0.21
29/06/2011	Effluent	11	34	8	ND<1	0.11
22/06/2011	Effluent	10	49	9	ND<1	0.23
15/06/2011	Effluent	7	34	13	ND<1	0.98
08/06/2011	Effluent	5	26	12	ND<1	0.24
25/05/2011	Effluent	6	22	8	ND<1	0.18
18/05/2011	Effluent	15	52	14	ND<1	0.3
11/05/2011	Effluent	16	54	16	ND<1	0.62
04/05/2011	Effluent	6	28	11	ND<1	0.2
27/04/2011	Effluent	9	36	8	ND<1	0.26
20/04/2011	Effluent	10	51	10	ND<1	0.4
13/04/2011	Effluent	11	49	12	ND<1	0.3
06/04/2011	Effluent	8	42	12	ND<1	0.39
30/03/2011	Effluent	7	37	10	ND<1	0.28
23/03/2011	Effluent	9	36	11	ND<1	0.31
16/03/2011	Effluent	8	31	4	ND<1	0.18
09/03/2011	Effluent	9	39	5	ND<1	0.21
02/03/2011	Effluent	12	46	10	ND<1	0.23
23/02/2011	Effluent	14	59	5	ND<1	0.23
17/02/2011	Effluent	15	55	4	ND<1	0.27
09/02/2011	Effluent	12	54	6	ND<1	0.19
31/01/2011	Effluent	8	44	3	ND<1	0.23
22/12/2010	Effluent	15	54	6	ND<1	0.59
24/11/2010	Effluent	10	49	8	ND<1	0.19
20/10/2010	Effluent	15	52	5	ND<1	0.39
23/09/2010	Effluent	14	41	7	<1	0.22
18/08/2010	Effluent	5	23	10	<1	0.35
08/07/2010	Effluent	11	53	7	<1	0.24
23/06/2010	Effluent	10	51	13	<1	0.09
06/05/2010	Effluent	10	55	9	<1	0.36
07/04/2010	Effluent	7	33	16	<1	0.48
10/03/2010	Effluent	5	25	13	<1	0.37

Effluent Sampling Info

Effluent Sampling Date	Sampling Point	Result				
		BOD5	COD	SS	Oil & Grease	Am-N
05/02/2010	Effluent	11	35	7	<1	0.66
13/01/2010	Effluent	8	32	10	<1	0.45
10/12/2009	Effluent	14	39	8	<1	0.25
23/11/2009	Effluent	8	28	9	<1	0.18
19/10/2009	Effluent	8	26	14	<1	0.42
18/09/2009	Effluent	18	42	19	<1	0.38
24/08/2009	Effluent	7	15	26	<1	<0.01
22/07/2009	Effluent	6	21	15	<1	0.37
29/06/2009	Effluent	3.9	33.4	11	<5	0.33
25/5/2009/	Effluent	7.8	25.8	26	<5	0.61
07/05/2009	Effluent	3.2	18.7	14	<5	0.11
01/03/2009	Effluent	7.6	23.6	6		
01/02/2009	Effluent	<2.0	27.3	7.6		
01/01/2009	Effluent	5.9	15.9	7		
11/12/2008	Effluent	4.5	13.6	10		
20/11/2008	Effluent	<2	18.6	<5		
23/10/2008	Effluent	4.7	27.6	8		
24/09/2008	Effluent	2	21.4	6		
20/08/2008	Effluent	<2	11.1	6		
24/07/2008	Effluent	2	13.4	<5		
20/06/2008	Effluent	5.5	24.1	7		
28/05/2008	Effluent	2.4	39.3	11		
24/04/2008	Effluent	3	21.1	<5		
06/03/2008	Effluent	3.2	16.2	7		
28/02/2008	Effluent	4.7	21	35		
17/01/2008	Effluent	3	28.8	6		
19/12/2007	Effluent	<2	21.1	14		
28/11/2007	Effluent	6	13	10		
24/10/2007	Effluent	5.5	14.6	<5		
05/09/2007	Effluent	<2	7.5	6		
02/08/2007	Effluent	<2	15.7	11		
12/07/2007	Effluent	7.2	39.4	15		
22/06/2007	Effluent	3.8	17.8	9		
10/05/2007	Effluent	3.5	32.6	21		
13/04/2007	Effluent	<2	22.2	18		
07/03/2007	Effluent	4	19.1	9		
07/02/2007	Effluent	<2	23.4	11		
24/01/2007	Effluent	2.2	16.8	11		

Effluent Sampling Info

Effluent Sampling Date	Sampling Point	Result				
		BOD5	COD	SS	Oil & Grease	Am-N
15/12/2006	Effluent	2.5	34.5	19		
08/11/2006	Effluent	5.2	10	8		
18/10/2006	Effluent	8.6	25.4	7		
22/09/2006	Effluent	7.2	21	12		
24/08/2006	Effluent	3	27.6	7		
05/07/2006	Effluent	5.3	39.8	8		
08/06/2006	Effluent	5.8	23	10		
19/05/2006	Effluent	2.6	14.1	5		
06/04/2006	Effluent	3.7	35.7	7		
08/03/2006	Effluent	2.6	24	10		
09/02/2006	Effluent	2.1	27	<5		
19/01/2006	Effluent	<2.0	25.9	8		
15/12/2005	Effluent	2.5	29.4	6		
23/11/2005	Effluent	2.7	28.8	7		
06/10/2005	Effluent	<2.0	26.4	18		
08/09/2005	Effluent	<2.0	28	<5		
17/08/2005	Effluent	<2	19.2	13		
08/07/2005	Effluent	<2	16.4	8		
23/06/2005	Effluent	<2	15.1	10		
11/05/2005	Effluent	<2	39.7	18		
06/04/2005	Effluent	<2	23.6	<5		
17/03/2005	Effluent	<2	12.5	13		
16/02/2005	Effluent	3.2	27.5	12		
05/01/2005	Effluent	3.7	31.6	8		
04/12/2004	Effluent	3.6	26.2	22		
04/11/2004	Effluent	3.8	38.7	33		
04/10/2004	Effluent	2.8	45.5	18		
04/09/2004	Effluent	9.6	55.9	20		
04/08/2004	Effluent	10	71.4	11		
04/07/2004	Effluent	5.8	55.3	10		
04/06/2004	Effluent	16.2	64.8	12		
04/05/2004	Effluent	13	80	12		
04/04/2004	Effluent	5	31.6	27		
04/03/2004	Effluent	5.8	20.4	13		
04/02/2004	Effluent	5.8	41.4	5		
04/01/2004	Effluent	2.9	38	9		
03/12/2003	Effluent	<2	26.7	11		
03/11/2003	Effluent	3.5	47.1	18		
03/10/2003	Effluent	5.5	65.7	11		
03/09/2003	Effluent	3.1	63.2	7		
03/08/2003	Effluent	4.3	77.5	20		
03/07/2003	Effluent	7.1	59.1	15		
03/06/2003	Effluent	6.7	79	7		
03/05/2003	Effluent	5.7	60	12		
03/04/2003	Effluent	5.7	66.4	22		
03/03/2003	Effluent	10.7	85.8	9		
03/02/2003	Effluent	23.5	88.1	7		
03/01/2003	Effluent	40	10	39		

Effluent Sampling Info

Effluent Sampling Date	Sampling Point	Result				
		BOD5	COD	SS	Oil & Grease	Am-N
02/12/2002	Effluent	19	136	75		
02/11/2002	Effluent	10	105	48		
02/10/2002	Effluent	7	69	12		
02/09/2002	Effluent	5	50	8		