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Water Monitoring Data Report

17-Jun-21

The attached report contains the water monitoring data for all the licenced water monitoring points as required by the Environment Protection Licence 1272, for June 2021 as part of the reporting period July 2020 - June 2021.

Authorised by:

A handwritten signature in black ink, appearing to be "Matthew O'Donovan", written over a horizontal line.

Matthew O'Donovan
HSE Manager

A handwritten signature in black ink, appearing to be "Johan Stoltz", written over a horizontal line.

Johan Stoltz
General Manager

Latest Publication Date: 17-Jun-21

Monitoring Location No: 13

Environment Protection Licence: 1272

Description: 4 Day Pond Outlet - Quality

Reporting Period: July 2020 to June 2021

Monitoring Type: Grab Sample

Sample Type: Water

Month	Parameter	Units	Concentration Limit	Frequency	Date of Sample	Date of Report	Report No.	Data
Jul-20	BOD	mg/L	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	0
	Nitrogen (total)	mg/L	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	1.6
	pH	pH	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	7.9
	Phosphorus (total)	mg/L	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	0.92
	TDS	mg/L	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	163
	TSS	mg/L	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	0
	Zinc	mg/L	N/A	1st Period	7-Jul-20	22-Jul-20	20/0682	0.01
Aug-20	BOD	mg/L	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	0
	Nitrogen (total)	mg/L	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	2.2
	pH	pH	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	8.0
	Phosphorus (total)	mg/L	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	0.71
	TDS	mg/L	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	168
	TSS	mg/L	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	0
	Zinc	mg/L	N/A	2nd Period	4-Aug-20	12-Aug-20	20/0782	0.01
Sep-20	BOD	mg/L	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	2
	Nitrogen (total)	mg/L	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	2.8
	pH	pH	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	7.5
	Phosphorus (total)	mg/L	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	1.30
	TDS	mg/L	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	0
	TSS	mg/L	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	6
	Zinc	mg/L	N/A	3rd Period	1-Sep-20	23-Sep-20	20/0901	0.01
Oct-20	BOD	mg/L	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	2
	Nitrogen (total)	mg/L	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	3.0
	pH	pH	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	7.7
	Phosphorus (total)	mg/L	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	0.99
	TDS	mg/L	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	171
	TSS	mg/L	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	0
	Zinc	mg/L	N/A	4th Period	6-Oct-20	15-Oct-20	20/1035	0.01
Nov-20	BOD	mg/L	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	5
	Nitrogen (total)	mg/L	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	1.9
	pH	pH	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	9.2
	Phosphorus (total)	mg/L	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	0.70
	TDS	mg/L	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	133
	TSS	mg/L	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	10
	Zinc	mg/L	N/A	5th Period	9-Nov-20	24-Nov-20	20/1161	0.01
Dec-20	BOD	mg/L	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	2
	Nitrogen (total)	mg/L	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	1.0
	pH	pH	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	8.1
	Phosphorus (total)	mg/L	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	0.60
	TDS	mg/L	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	114
	TSS	mg/L	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	5
	Zinc	mg/L	N/A	6th Period	7-Dec-20	22-Jan-20	20/1279	0.02
Jan-21	BOD	mg/L	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	8
	Nitrogen (total)	mg/L	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	1.7
	pH	pH	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	9.6
	Phosphorus (total)	mg/L	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	0.70
	TDS	mg/L	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	166
	TSS	mg/L	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	30
	Zinc	mg/L	N/A	7th Period	11-Jan-21	20-Jan-21	21/0037	0.01
Feb-21	BOD	mg/L	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	9
	Nitrogen (total)	mg/L	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	2.5
	pH	pH	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	7.3
	Phosphorus (total)	mg/L	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	0.30
	TDS	mg/L	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	133
	TSS	mg/L	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	10
	Zinc	mg/L	N/A	8th Period	1-Feb-21	15-Feb-21	21/0122	0.03
Mar-21	BOD	mg/L	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	4
	Nitrogen (total)	mg/L	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	1.9
	pH	pH	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	7.0
	Phosphorus (total)	mg/L	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	0.30
	TDS	mg/L	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	81
	TSS	mg/L	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	0
	Zinc	mg/L	N/A	9th Period	1-Mar-21	10-Mar-21	21/0237	0.01
Apr-21	BOD	mg/L	N/A	10th Period	26-Apr-21	11-May-21	21/0444	2
	Nitrogen (total)	mg/L	N/A	10th Period	26-Apr-21	11-May-21	21/0444	2.6
	pH	pH	N/A	10th Period	26-Apr-21	11-May-21	21/0444	7.5
	Phosphorus (total)	mg/L	N/A	10th Period	26-Apr-21	11-May-21	21/0444	0.30
	TDS	mg/L	N/A	10th Period	26-Apr-21	11-May-21	21/0444	122
	TSS	mg/L	N/A	10th Period	26-Apr-21	11-May-21	21/0444	6
	Zinc	mg/L	N/A	10th Period	26-Apr-21	11-May-21	21/0444	0.02
May-21	BOD	mg/L	N/A	11th Period	10-May-21	19-May-21	21/0508	2

	Nitrogen (total)	mg/L	N/A	11th Period	10-May-21	19-May-21	21/0508	2.4
	pH	pH	N/A	11th Period	10-May-21	19-May-21	21/0508	7.5
	Phosphorus (total)	mg/L	N/A	11th Period	10-May-21	19-May-21	21/0508	0.30
	TDS	mg/L	N/A	11th Period	10-May-21	19-May-21	21/0508	162
	TSS	mg/L	N/A	11th Period	10-May-21	19-May-21	21/0508	3
	Zinc	mg/L	N/A	11th Period	10-May-21	19-May-21	21/0508	0.05
Jun-21	BOD	mg/L	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	14
	Nitrogen (total)	mg/L	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	2.2
	pH	pH	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	7.9
	Phosphorus (total)	mg/L	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	0.30
	TDS	mg/L	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	161
	TSS	mg/L	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	3
	Zinc	mg/L	N/A	12th Period	7-Jun-21	17-Jun-21	21/0611	0.01

General Note: Limits are not applicable to this monitoring point

ND - No Data

N/A-Not Applicable

VP Albury - Groundwater Monitoring Bores - Depth



Latest Publication Date: 17-Jun-21
Monitoring Location No: 14 to 23
Description: Groundwater Monitoring Bores - Depth
Monitoring Type: Grab Sample
Environment Protection Licence: 1272
Reporting Period: July 2020 to June 2021
Sample Type: Depth

Month	Date of Sample	Units	Bore No									
			D3	D4	D5	D6	S7	S8	S11	S17	S20	S21
Jul-19	07-Jul-20	m	44.70	44.70	44.70	42.70	Dry	1.45	7.20	Dry	Dry	8.40
Oct-19	13-Oct-20	m	45.30	44.70	44.70	43.50	Dry	1.75	7.10	Dry	Dry	8.20
Jan-20	11-Jan-21	m	44.70	44.70	44.70	43.60	Dry	2.60	7.33	Dry	Dry	8.40
Apr-20	26-Apr-21	m	45.10	45.50	44.70	42.70	Dry	2.40	7.40	Dry	Dry	6.96

General Note: Limits are not applicable to this monitoring point

Note 1- Bore empty

Note 2- All readings taken from top of casing

Latest Publication Date: 17-Jun-21
Monitoring Location No: 14 to 23
Description: Groundwater Monitoring Bores - Quality
Monitoring Type: Grab Sample

Environment Protection Licence: 1272
Reporting Period: July 2020 to June 2021
Sample Type: Water

Month	Parameter	Units	Freq	Date of Sample	Date of Report	Report No.	Bore No									
							D3	D4	D5	D6	S7	S8	Sf1	Sf7	S20	S21
Jul 20	Conductivity	µS/cm	1st Qrt	07-Jul-20	22-Jul-20	20/0682	917	3517	4989	3862	Note 1	1062	7036	Note 1	Note 1	2144
	Nitrate	mg/L	1st Qrt	07-Jul-20	22-Jul-20	20/0682	0.0	0.0	0.0	7.7	Note 1	26.7	5.0	Note 1	Note 1	20.3
	Nitrogen (total)	mg/L	1st Qrt	07-Jul-20	22-Jul-20	20/0682	1.3	10.3	5.1	2.3	Note 1	7.9	1.1	Note 1	Note 1	7.5
	pH	pH	1st Qrt	07-Jul-20	22-Jul-20	20/0682	7.5	7.1	7.1	7.1	Note 1	7.1	7.1	Note 1	Note 1	7.1
	Phosphorus (total)	mg/L	1st Qrt	07-Jul-20	22-Jul-20	20/0682	0.24	0.02	0.00	0.01	Note 1	0.14	0.06	Note 1	Note 1	0.21
Oct 20	Conductivity	µS/cm	2nd Qrt	13-Oct-20	21-Oct-20	20/1070	916	3511	4970	717	Note 1	1255	7308	Note 1	Note 1	2334
	pH	pH	2nd Qrt	13-Oct-20	21-Oct-20	20/1070	7.0	7.0	7.2	8.1	Note 1	7.1	7.0	Note 1	Note 1	7.2
Jan 21	Conductivity	µS/cm	3rd Qrt	11-Jan-21	12-Jan-21	21/0036	1012	3814	5377	869	Note 1	1434	8089	Note 1	Note 1	2577
	pH	pH	3rd Qrt	11-Jan-21	12-Jan-21	21/0036	7.4	7.6	7.0	8.2	Note 1	7.1	7.0	Note 1	Note 1	7.3
Apr 21	Conductivity	µS/cm	4th Qrt	26-Apr-21	11-May-21	21/0444	921	3498	4601.0	714	Note 1	1242.0	7175	Note 1	Note 1	2329
	pH	pH	4th Qrt	26-Apr-21	11-May-21	21/0444	7.5	7.3	6.9	8.1	Note 1	7.0	7.0	Note 1	Note 1	7.0

General Note: Limits are not applicable to this monitoring point
 Note 1- Bore empty