

# Mulwala Sewage Treatment Works

EPA Licence Number: 814

Licence web link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31196&SYSUID=1&LICID=814>

Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
Date										
02-Jan-13	7.0	900	1	6.4	<5	7.4	<0.05	23		
23-Jan-13	6.0	990	80	3.9	<5	7.5	0.13	12		
20-Feb-13	4.0	960	1	4.3	<5	7.2	<0.05	12		
20-Mar-13	4.0	820	3	4.2	<5	7.0	0.06	8		
17-Apr-13	<2	910	0	3.2	<5	7.0	<0.05	8		
15-May-13	2.0	920	0	2.7	<5	7.0	<0.05	8		
12-Jun-13	5.0	880	0	2.0	<5	7.4	0.06	9		
03-Jan-13	3.0			3.0	<5		<0.05	2		
10-Jul-13	4.0	880	0	3.3	<5	7.3	0.08	4		
17-Jul-13	4.0			2.9	<5		0.09	12		
24-Jul-13	4.0			2.9	<5		<0.05	7		
31-Jul-13	3.0			2.5	<5		0.05	6		
07-Aug-13	4.0	780	5	3.2	<5	7.4	0.08	7		
14-Aug-13	4.0			2.7	<5		0.05	5		
21-Aug-13	3.0			3.2	9		0.11	7		
28-Aug-13	3.0			2.7	<5		0.09	7		
04-Sep-13	3.0	790	0	2.8	<5	7.6	<0.05	6		
11-Sep-13	3.0			3.3	<5		0.08	5		
18-Sep-13	3.0			3.1	<5		<0.05	<2		
02-Oct-13	7.0	850	0	10.0	<5	7.9	0.32	4		
09-Oct-13	4.0			3.5	<5		0.06	3		
16-Oct-13	6.0			3.6	6		<0.05	6		
23-Oct-13	3.0			5.0	<5		<0.05	4		
30-Oct-13	4.0	820	0	3.6	10		0.06	7		

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Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
<b>Conc Limit</b>	<b>10</b>	<b>none</b>	<b>200</b>	<b>10</b>	<b>5</b>	<b>6.5-8.5</b>	<b>0.3</b>	<b>15</b>	<b>2</b>	<b>5</b>
<b>Units</b>	<b>mg/L</b>	<b>uS/cm</b>	<b>CFU/100ml</b>	<b>mg/L</b>	<b>mg/L</b>	<b>pH Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
06-Nov-13	7.0			5.2	<5		0.07	7		
13-Nov-13	8.0			4.1	<5		0.14	3		
20-Nov-13	4.0			3.3	<5		<0.05	3		
27-Nov-13	6.0	880	3	3.9	<5	7.7	0.09	2		
04-Dec-13	8.0			5.0	<5		0.2	9		
11-Dec-13	4.0			3.7	<5		0.06	8		
18-Dec-13	6.0	840	4	3.2	<5	7.3	0.07	7		
22-Jan-14	4.0	840	4	4.0	<5	7.5	0.21	12		
29-Jan-14	4.0			3.7	<5		0.26	7		
05-Feb-14	4.0			3.4	<5		0.25	10		
12-Feb-14	6.0			3.5	<5		0.32	16		
19-Feb-14	<2	850	0	3.2	<5	7.5	0.2	7		
26-Feb-14	5.0			3.8	<5		0.22	11		
05-Mar-14	4.0			3.4	<5		0.13	9		
12-Mar-14	4.0			3.6	<5		0.08	14		
19-Mar-14	8.0	820	<10	3.8	<5	7.4	0.13	16		
26-Mar-14	2.0			3.5	<5		0.06	8		
02-Apr-14	6.0			3.8	<5		0.11	10		
09-Apr-14	3.0			21.0	<5		0.11	7		
16-Apr-14	3.0	890	1	5.3	<5	4.3	0.38	<2		
23-Apr-14	4.0			4.1	<5		0.008	11		
30-Apr-14	3.0			3.2	<5		0.1	7		
07-May-14	<2			2.6	<5		<0.05	13		
14-May-14	<2	750	0	2.9	<5	7.2	<0.05	6		

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## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
<b>Conc Limit</b>	<b>10</b>	<b>none</b>	<b>200</b>	<b>10</b>	<b>5</b>	<b>6.5-8.5</b>	<b>0.3</b>	<b>15</b>	<b>2</b>	<b>5</b>
<b>Units</b>	<b>mg/L</b>	<b>uS/cm</b>	<b>CFU/100ml</b>	<b>mg/L</b>	<b>mg/L</b>	<b>pH Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
21-May-14	2.0			2.8	<5		0.1	5		
28-May-14	3.0			3.0	<5		<0.05	5		
04-Jun-14	4.0			2.5	<5		0.07	10		
11-Jun-14	4.0	880	0	2.3	<5	7.3	<0.05	7		
18-Jun-14	4.0			3.6	<5		0.09	6		
25-Jun-14	2.0			3.1	<5		<0.05	6		
02-Jul-14	<2			3.2	<5		0.1	4		
09-Jul-14	3.0	880	0	3.7	<5	7.5	0.08	10	0.6	
16-Jul-14	<2			3.6	<5		0.05	10		
23-Jul-14	4.0			4.2	<5		<0.05	7		
30-Jul-14	4.0			3.4	<5		0.08	10		
06-Aug-14	3.0	850	0	3.4	<5	7.4	<0.05	9	0.7	
13-Aug-14	2.0			3.0	<5		<0.05	8		
20-Aug-14	4.0			3.2	<5		0.16	10		
27-Aug-14	6.0			3.2	<5		0.12	13		
03-Sep-14	7.0	780	0	3.5	<5	8.1	0.15	10	0.6	
10-Sep-14	5.0			4.0	<5		0.12	10		
17-Sep-14	<2			3.1	<5		0.23	11		
24-Sep-14	7.0			1.8	<5		0.09	7		
01-Oct-14	4.0	820	1	4.2	<5	7.2	0.06	9	0.9	
08-Oct-14	6.0			3.9	<5		0.1	8		
15-Oct-14	5.0			3.7	<5		0.1	17		
22-Oct-14	9.0			3.6	<5		0.16	23		
29-Oct-14	2.0	890	0	3.5	<5	7.1	<0.05	10	0.4	

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## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
05-Nov-14	7.0			7.1	7		0.08	9		
12-Nov-14	4.0			4.2	<5		0.1	6		
19-Nov-14	5.0			4.2	<5		0.12	11		
26-Nov-14	4.0	880	0	3.8	<5	7.5	0.09	8	0.6	
03-Dec-14	4.0			3.9	<5		0.09	8		
10-Dec-14	4.0			4.5	<5		0.09	4		
07-Jan-15	4.0	840	22	4.6	<5	7.6	0.14	<2	0.8	
14-Jan-15	4.0			5.4	<5		0.08	8		
21-Jan-15	<2			5.2	7		0.06	6		
28-Jan-15	<2			4.7	<5		0.08	8		
04-Feb-15	<2	870	0	3.8	<5	7.3	0.07	8	0.1	
11-Feb-15	3.0			3.5	<5		0.07	6		
18-Feb-15	3.0			3.2	<5		0.08	10		
25-Feb-15	2.0			3.7	<5		0.06	6		
04-Mar-15	2.0	1000	0	3.6	<5	7.4	0.07	8	0.2	
11-Mar-15	3.0			4.1	<5		<0.05	6		
18-Mar-15	6.0			3.7	<5		0.14	4		
25-Mar-15	12.0			14.0	<5		0.12	10		
01-Apr-15	5.0	900	0	11.0	<5	7.2	0.05	6	0.9	
10-Apr-15	6.0			4.7	<5		0.07	14		
15-Apr-15	4.0			3.5	<5		<0.05	10		
22-Apr-15	5.0			3.7	<5		<0.05	8		
29-Apr-15	2.0	920	0	3.6	<5	7.4	0.08	8	0.7	
06-May-15	4.0			3.4	<5		<0.05	7		

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Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
<b>Conc Limit</b>	<b>10</b>	<b>none</b>	<b>200</b>	<b>10</b>	<b>5</b>	<b>6.5-8.5</b>	<b>0.3</b>	<b>15</b>	<b>2</b>	<b>5</b>
<b>Units</b>	<b>mg/L</b>	<b>uS/cm</b>	<b>CFU/100ml</b>	<b>mg/L</b>	<b>mg/L</b>	<b>pH Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
12-May-15	3.0			3.8	<5		<0.05	6		
20-May-15	3.0			3.5	<5		<0.05	7		
27-May-15	5.0	930	0	3.1	<5		<0.05	11	0.8	
04-Jun-15	3.0	880		3.2	<5	7.1	0.06	10		
10-Jun-15	<2			5.4	<5	7.5	<0.05	3		
18-Jun-15	4.0	870		3.5	<5	7.4	<0.05	6		
24-Jun-15	7.0	930	0	0.1	<5	7.3	<0.05	10	0.1	
01-Jul-15	4.0	930		4.1	<5	7.3	<0.05	4		
08-Jul-15	7.0			3.6	<5	7.3	<0.05	10		
15-Jul-15	5.0			4.6	<5	7.1	0.06	8		
22-Jul-15	4.0		0	3.5	<5	7.2	<0.05	7	1	
30-Jul-15	<2			4.1	<5		<0.05	8		
05-Aug-15	2.0			3.8	<5	7.1	<0.05	7		
12-Aug-15	<2	970		3.6	<5	7.0	0.07	8		
19-Aug-15	2.0	980	0	3.7	<5	7.7	<0.05	4	0.8	
26-Aug-15	3.0	990		1.9	<5	7.4	<0.05	6		
02-Sep-15	3.0	970		4.2	<5	7.2	0.07	6		
10-Sep-15	<2	940	0	4.4	<5	7.3	<0.05	6		
16-Sep-15	<2	960	0	4.9	<5	7.2	<0.05	3	0.8	
23-Sep-15	3.0	990		4.6	<5	7.4	0.07	6		
30-Sep-15	<2			4.7	<5	7.4	<0.05	7		
07-Oct-15	3.0			3.4	<5	7.1	<0.05	5		
14-Oct-15	3.0	1000	0	3.5	<5	7.4	0.07	2	0.09	
21-Oct-15	3.0			3.7	<5	7.5	<0.05	5		

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Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
28-Oct-15	3.0			1.8	<5	7.3	<0.05	4		
04-Nov-15	6.0			4.9	<5	7.4	0.05	4		
11-Nov-15	5.0	820	3	3.6	<5	7.4	<0.05	8	1.1	
19-Nov-15	4.0	860	2	3.4	<5	7.6	0.06	5	0.6	
26-Nov-15	4.0	860	10	3.8	<5	7.4	0.06	7	0.5	
03-Dec-15	3.0	920		3.2	<5	7.4	0.07	7		
09-Dec-15	4.0	880	2	3.4	<5	7.4	0.14	8	<0.1	
16-Dec-15	<2	910		3.1	20	7.5	<0.05	10		
23-Dec-15	3.0	950		3.3	12	7.6	0.07			
06-Jan-16	3.0	860	0	5.7	11	7.4	0.1	6	1.8	
13-Jan-16	2.0	910	6	4.9	<5	7.7	0.23	7		
20-Jan-16	5.0	930		4.3	<5	7.5	0.14	8		
27-Jan-16	11.0	840		4.2	<5	7.7	0.21	13		
03-Feb-16	4.0	940	79	3.8	<5	7.5	0.09	7	0.9	
10-Feb-16	5.0	930		5.3	8	7.5	0.2	15		
17-Feb-16	<2	930		3.8	<5	7.6	0.16	9		
24-Feb-16	3.0			4.8	6	7.6	0.12	8		
02-Mar-16	2.0	950	16	4.3	8	8.0	0.22	13	0.6	
09-Mar-16	2.0	970		3.7	10	7.8	0.2	6		
16-Mar-16	<2	940		3.9	<5	7.9	0.08	7		
23-Mar-16	2.0	830		4.7	9	7.6	0.07	6		
30-Mar-16	11.0	960	3	5.2	<5	7.6	0.1	7	3.1	
06-Apr-16	4.0	920		1.0	8	7.4	0.1	8		
13-Apr-16	3.0	850		2.4	7	7.3	<0.05	8		

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Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
20-Apr-16	3.0	840		2.1	10	7.7	0.06	6		
27-Apr-16	4.0	820	3	3.8	<5	7.6	0.08	9	0.6	
04-May-16	4.0	850		3.4	<5	7.6	0.12	10		
11-May-16	3.0	900		3.1	<5	7.5	0.06	4		
18-May-16	3.0	920		3.6	<5	7.6	0.07	6		
25-May-16	3.0	920	12	3.3	<5	7.1	<0.05	6	0.4	
01-Jun-16	<2	880		4.0	<5	7.3	<0.05	8		
08-Jun-16	4.0	930		4.9	<5	7.3	0.19	12		
15-Jun-16	7.0	910		7.5	5	7.4	0.31	14		
22-Jun-16	5.0	840	3	5.9	<5	7.3	0.48	11	0.7	
29-Jun-16	8.0	880		5.9	<5	7.1	0.24	16		
06-Jul-16	3.0	870		5.2	8	7.2	0.16	9		
13-Jul-16	3.0	800		3.8	<5	7.3	0.06	6		
20-Jul-16	3.0	840		3.7	<5	7.6	0.07	8	0.5	
27-Jul-16	3.0			3.8	<5	7.4	0.08	8		
03-Aug-16	2.0	710		1.4	<5	7.3	<0.05	6		
10-Aug-16	2.0	840		3.0	<5	7.3	0.06	6		
17-Aug-16	2.0	840	2	3.6	<5	7.2	0.05	10	0.4	
24-Aug-16	3.0	840		3.7	<5	7.2	0.07	4		
31-Aug-16	3.0	820		3.9	<5	7.4	0.06	7		
07-Sep-16	<2	810		3.0	<5	7.4	0.08	6		
14-Sep-16	5.0	850	1	3.7	<5	7.4	0.1	5	0.5	
21-Sep-16	3.0	820		3.1	9	7.7	0.1	5		
28-Sep-16	<2	890		3.6	<5	7.2	0.05	8		

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Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
05-Oct-16	2.0	780		3.2	<5	7.5	0.08	6		
12-Oct-16	<2	930	0	3.8	<5	7.4	0.02	7	0.4	
19-Oct-16	3.0	900		3.8	<5	7.4	0.08	5		
26-Oct-16	<2	550		2.0	2	7.7	0.07	3.7		
02-Nov-16	<2	899		3.0	6	7.3	0.04	<3		
09-Nov-16	3.0	948	1	5.2	<5	7.2	0.07	3.4	0.3	
16-Nov-16	<2	877		2.5	1	7.4	0.05	4		
23-Nov-16	<2	922		2.0	1	7.5	0.07	4		
29-Nov-16	<2	900		4.0	<1	7.3	0.05	<3		
07-Dec-16	2.0	951	1	3.3	<5	7.5	0.08	6	0.5	
14-Dec-16	<2	962		4.0	1	7.5	0.04	4		
21-Dec-16	3.0	924		4.0	<5	7.6	0.12	7		
28-Dec-16	<2	943		7.0	1	7.4	0.12	4		
04-Jan-17	<2	915	2	5.1	<5	7.5	0.11	6	1.2	
11-Jan-17	<2	919		3.0	1	7.4	0.02	5		
18-Jan-17	<2	942		4.0	1	7.4	<0.01	3		
25-Jan-17	<2	952		4.8	<5	7.6	0.06	2		
01-Feb-17	2.0	963	1	4.9	<5	7.3	0.09	7	0.5	
08-Feb-17	<2	961		5.0	1	7.7	0.1	5		
15-Feb-17	<2	968		3.0	<1	7.6	0.11	7		
23-Feb-17	<2	959		3.9	<5	7.5	0.1	4		
01-Mar-17	<2	1072	<10	20.0	<5	7.4	0.09	5	2.2	
08-Mar-17	<2	957		<2	4	7.3	<0.01	5		
15-Mar-17	<2	942		2.0	<1	7.5	0.05	7		



# Mulwala Sewage Treatment Works

EPA Licence Number: 814

Licence web link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31196&SYSUID=1&LICID=814>

Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
22-Mar-17	<2	896		2.0	2	7.5	0.16	5		
29-Mar-17	<2	906	<10	3.1	<5	7.5	<0.05	6	0.4	
05-Apr-17	<2	863		4.6	<5	7.4	0.06	7		
12-Apr-17	<2	883		4.8	<5	7.4	<0.05	3		
19-Apr-17	<2	844		4.0	5	7.3	0.08	3		
26-Apr-17	<2		0	3.5	<5	7.0	<0.05	4		
03-May-17	<2	852		<2	1	7.3	0.03	6		
10-May-17	<2	828		<2	<1	7.2	0.01	5		
17-May-17	<2	835		3.0	4	7.3	0.13	3	0.5	
24-May-17	<2	816	<1	3.0	<5	7.3	<0.05	3	0.6	
31-May-17	<2	820		<2	5	7.3	<0.01	<3		
07-Jun-17	<2	780		<2	2	7.2	<0.01	3		
14-Jun-17	<2	814		4.0	2	7.3	0.04	<3		
21-Jun-17	<2	826	0	3.3	<5	7.2	<0.05	4	0.6	
28-Jun-17	<2	809		2.0	2	7.1	<0.01	3		
05-Jul-17	<2	764		3.0	<1	7.1	0.03	6		
12-Jul-17	3.0	793		4.0	2	7.1	0.01	3		
19-Jul-17	<2	823	<1	3.0	<1	7.2	0.06	<3	0.8	
26-Jul-17	<2	807		3.0	<5	7.2	<0.01	3		
02-Aug-17	<2	823		<2	2	7.3	0.05	4		
09-Aug-17	<2	813		4.0	3	7.2	0.05	4		
16-Aug-17	<2	792	<1	2.0	<5	7.7	0.06	4	0.6	
23-Aug-17	<2	874		2.0	<5	7.1	<0.01	3		
30-Aug-17	<2	832		2.0	7	7.2	0.05	4		

# Mulwala Sewage Treatment Works

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
07-Sep-17	<2	814		2.0	8	7.2	<0.05	3		
13-Sep-17	<2	810	<1	2.0	<5	7.2	<0.05	5	0.6	
30-Aug-17	<2	832		2.0	7	7.2	0.05	4		
06-Sep-17	<2	814		2.0	8	7.2	<0.05	3		
13-Sep-17	<2	810	<1	2.0	<5	7.5	<0.05	5	0.6	
20-Sep-17	3.0	1054		2.8	<5	7.7	0.08	6		
27-Sep-17	3.0	882		4.0		7.2	0.05	4		
04-Oct-17	<2	894		5.0	<5	7.3	0.06	6		
11-Oct-17	2.0	910	<10	2.5	<5	7.3	0.06	3	0.4	
18-Oct-17	<2	936		3.4	2	7.4	0.05	5		
25-Oct-17	<2	950		2.8	1	7.6	0.05	4		
01-Nov-17	<2	941		2.6	<1	7.3	0.05	9		
08-Nov-17	<2	931	<1	3.2	<1	7.6	0.05	5	1.72	
15-Nov-17	<2	953		2.4	<1	7.5	0.05	3		
22-Nov-17	<2	933		2.3	<1	7.7	0.06	6		
29-Nov-17	<2	932		2.5		7.6	0.07	5		
06-Dec-17	<2	1004	<1	2.4	5	7.7	0.05	4	0.38	
13-Dec-17	<2	1006		1.3	<1	7.5	<0.01	6		
20-Dec-17	3.0	1054		2.8	<5	7.7	0.08	6		
03-Jan-18	<2	897	<1	2.3	<1	7.5	0.10	6	1.9	
10-Jan-18	<2	919		1.9	1	7.6	0.09	4		
17-Jan-18	<2	992		2.1	1	7.4	0.05	5		
24-Jan-18	<2	1028		2.5	2	7.6	0.06	5		
31-Jan-18	<2	960	<1	2.3	2	7.7	0.06	4	0.41	

# Mulwala Sewage Treatment Works

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
07-Feb-18	<2	971		1.6	1	7.6	0.09	8		
14-Feb-18	2.0	976		3.3	<1	7.5	0.12	5		
21-Feb-18	<2	959		1.7	1	7.5	0.05	4		
28-Feb-18	3.0	995	<1	3.7	1	7.6	0.02	5	0.33	
07-Mar-18	3.0	973		2.8	1	7.6	0.09	5		
14-Mar-18	3.0	952		5.1	2	7.5	0.23	5		
21-Mar-18	2.0	946		5.7	<1	7.6	0.07	4		
28-Mar-18	6.0	943	<1	3.3	<1	7.5	0.08	5	0.73	
04-Apr-18	<2	924		3.9	<1	7.3	0.04	4		
11-Apr-18	<2	927		1.8	1	7.5	0.11	6		
18-Apr-18	<2	941		1.3	<1	7.4	0.12	5		
25-Apr-18	<2	941	<1	1.6	1	7.6	0.17	4	1	
02-May-18	<2	892		1.9	<1	7.5	0.08	3		
09-May-18	<2	877		2.1	4	7.4	0.07	<3		
16-May-18	<2	829		1.3	2	7.4	0.08	4		
23-May-18	10.0	860	<1	2.1	<1	7.4	0.06	4	0.6	
30-May-18	<2	873		2.2	2	7.2	0.09	4		
06-Jun-18	<2	888		2.1	<1	7.2	0.44	4		
13-Jun-18	<2	870		2.0	<1	7.4	0.10	7		
20-Jun-18	<2	892	<1	1.6	<1	7.4	0.04	4	0.47	
27-Jun-18	<2	881		1.9	1	7.5	0.11	4		
04-Jul-18	<2	856		2.0	1	7.5	0.05	4		
11-Jul-18	<2	863		2.2	2	7.4	0.05	4		
18-Jul-18	<2	919	<1	1.8	3	7.4	0.04	3	0.65	

# Mulwala Sewage Treatment Works

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
25-Jul-18	<2	879		1.7	5	7.4	0.06	6		
01-Aug-18	<2	901		1.5	2	7.4	0.29	3		
08-Aug-18	<2	854		1.6	2	7.2	0.24	4		
15-Aug-18	<2	898	<1	1.9	1	7.5	0.09	5	0.28	
22-Aug-18	<2	868		2.3	4	7.3	0.04	3		
29-Aug-18	6.0	803		1.8	2	7.3	0.29	4		
05-Sep-18	<2	863		1.8	14	7.3	1.19	6		
12-Sep-18	4.0	878	<1	1.7	1	7.1	0.97	7	0.36	
19-Sep-18	6.0	871		2.5	6	7.2	0.06	6		
26-Sep-18	7.0	903		2.7	9	7.2	0.09	6		
03-Oct-18	<2	911		2.0	5	7.1	0.78	6		
10-Oct-18	<2	913	<1	1.7	8	7.2	0.07	6	0.49	
17-Oct-18	<2	924		2.2	2	7.5	0.11	5		
24-Oct-18	<2	982		2.0	2	7.2	0.05	6		
31-Oct-18	<2	464		2.2	3	7.5	0.06	7		
07-Nov-18	<2	983	<1	2.9	<1	7.4	0.73	5	0.98	
14-Nov-18	<2	1001		1.2	2	7.3	0.03	4		
21-Nov-18	<2	945		1.0	5	7.4	0.06	5		
28-Nov-18	<2	975		1.5	1	7.4	0.05	5		
05-Dec-18	<2	1007	<1	1.5	1	7.6	0.36	6		
12-Dec-18	<2	1100		1.5	<1	7.5	0.07	6		
19-Dec-18	<2	1117		1.5	<1	7.4	0.90	6		
26-Dec-18	<2	1086		3.9	3	7.6	0.06	6		
02-Jan-19	<2	961	2	7.0	3	7.5	0.10	5	<.03	

# Mulwala Sewage Treatment Works

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
09-Jan-19	<2	947		4.0	2	7.4	0.42	5		
16-Jan-19	<2	1061		4.1	<1	7.4	<0.05	5		
23-Jan-19	<2	978		3.6	2	7.3	<0.05	7		
30-Jan-19	<2	967	1	4.5	1	7.3	<0.05	5	1.90	
06-Feb-19	<2	1017		2.7	<1	7.2	<0.05	8		
13-Feb-19	<2	927		3.7	1	7.5	0.06	10		
20-Feb-19	<2	957		3.7	5	7.5	<0.05	5		
27-Feb-19	<2	952	<1	3.3	<1	7.5	<0.05	6	0.47	
06-Mar-19	<2	970		2.9	<1	7.4	0.05	4		
13-Mar-19	<2	956		4.4	<1	7.4	0.26	5		
20-Mar-19	<2	916		3.3	<1	7.4	0.05	4		
27-Mar-19	<2	1007	108	4.0	1	7.3	<0.05	5	0.71	
03-Apr-19	<2	956		4.1	<1	7.4	<0.05	5		
10-Apr-19	<2	906		3.9	1	7.4	<0.05	5		
17-Apr-19	<2	865		3.8	3	7.6	0.051	5		
24-Apr-19	<2	883	<1	3.7	3	7.3	<0.010	5	1.40	
01-May-19	<2	825		2.8	<1	7.4	0.029	5		
08-May-19	<2	956		4.1	1	7.4	0.049	5		
15-May-19	<2	877		2.6	1	7.4	0.026	5		
22-May-19	<2	856	921	3.5	<1	7.3	0.044	4	0.59	
29-May-19	<2	900		1.8	1	7.4	0.082	4		
05-Jun-19	7.0	887		2.5	1	7.2	0.035	3		
12-Jun-19	<2	858		3.7	5	7.2	0.175	6		
19-Jun-19	<2	880	<1	3.3	2	7.2	0.036	4	0.71	

# Mulwala Sewage Treatment Works

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
<b>Conc Limit</b>	<b>10</b>	<b>none</b>	<b>200</b>	<b>10</b>	<b>5</b>	<b>6.5-8.5</b>	<b>0.3</b>	<b>15</b>	<b>2</b>	<b>5</b>
<b>Units</b>	<b>mg/L</b>	<b>uS/cm</b>	<b>CFU/100ml</b>	<b>mg/L</b>	<b>mg/L</b>	<b>pH Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
26-Jun-19	<2	805		2.8	<1	7.1	0.032	6		
03-Jul-19	<2	786		3.2	1	7.1	0.026	6		
10-Jul-19	<2	840		3.0	1	7.2	0.033	5		
17-Jul-19	<2	896	<1	2.6	<1	7.1	0.040	6	0.90	
24-Jul-19	<2	912		3.1	2	7.2	0.031	4		
31-Jul-19	<2	885.7		2.5	8	7.1	0.077	6		
07-Aug-19	4.0	867.2		3.4	<1	7.1	0.027	5		
14-Aug-19	<2	831.8	<1	3.0	2	7.2	0.013	6	0.69	
21-Aug-19	2.0	797.3		3.5	1	7.2	0.016	4		
28-Aug-19	<2	808.5		2.7	6	7.1	0.047	5		
04-Sep-19	<2	897.1		3.1	2	7.1	0.092	6		
11-Sep-19	<2	952.5	<1	3.7	<1	7.2	0.117	6	0.46	
18-Sep-19	10.0	885.8		1.6	1	7.1	0.105	6		
25-Sep-19	<2	905.3		3.3	<1	7.2	0.048	5		
02-Oct-19	2.0	881.9		4.4	4	7.1	0.080	8		
09-Oct-19	<2	962.7	<1	3.1	2	7.4	0.087	5	0.09	
16-Oct-19	7.0	937.7		3.5	<1	7.2	0.057	5		
23-Oct-19	<2	931		3.4	3	7.1	0.039	5		
30-Oct-19	<2	961.8		3.3	3	7.3	0.060	4		
06-Nov-19	<2	72.5		4.0	2	6.8	0.062	4	0.96	
13-Nov-19	<2	959.9		3.3	13	7.1	0.046	4		
20-Nov-19	<2	482.3		3.1	4	7.2	0.046	4		
27-Nov-19	<2	1034		2.9	4	7.0	0.046	5		
04-Dec-19	<2	1007	<1	3.4	8	7.3	0.072	5	0.57	

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
11-Dec-19	<2	1046		3.0	14	7.4	0.05	4		
18-Dec-19	2.0	1063		3.3	<1	7.4	0.087	6		
25-Dec-19	2.0	1043		3.4	2	7.5	0.023	4		
01-Jan-19	2.0	963.4		3.7	2	7.3	0.022	6		
08-Jan-20	<2	958.8	<1	2.9	6	7.3	0.025	5	1.05	
15-Jan-20	2.0	1039		4.3	<1	7.0	0.128	7		
22-Jan-20	2.0	966.4		4.5	<1	7.3	0.073	7		
29-Jan-20	<2	1125		5.2	4	7.3	0.15	5		
05-Feb-20	<2	1126	1	3.0	2	7.4	0.011	5	0.49	
12-Feb-20	<2	1014		3.4	<1	7.3	0.042	4		
19-Feb-20	2.0	1000		3.9	11	7.1	0.031	4		
26-Feb-20	2.0	1020		4.7	1	7.2	0.036	4		
04-Mar-20	<2	1044	<1	4.7	14	7.2	0.032	6	0.64	
11-Mar-20	<2	1046		4.9	<1	7.3	0.035	5		
18-Mar-20	2.0	1019		3.7	<5	7.2	0.021	3		
25-Mar-20	4.0	998		3.2	5	7.3	0.043	<3		
01-Apr-20	<2	1056	<1	4.6	5	7.3	0.024	4	0.52	
08-Apr-20	<2	1054		6.6	<5	6.9	0.012	6		
15-Apr-20	<2	1008		7.3	<5	7.0	0.02	4		
22-Apr-20	<2	909		3.6	<5	7.3	0.026	4		
29-Apr-20	<2	873.2		4.3	<5	7.0	0.03	5		
06-May-20	<2	920.5	21	4.4	<5	7.0	0.016	5	0.97	
13-May-20	<2	894.2		5.8	6	7.1	0.027	5		
20-May-20	<2	871.2		3.3	<5	6.8	0.022	5		

# Mulwala Sewage Treatment Works

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
27-May-20	<2	867.2		4.4	<5	6.8	0.01	6		
03-Jun-20	<2	877.6	<1	4.3	10	6.9	0.03	4	0.75	
10-Jun-20	<2	856.3		4.6	<5	6.9	0.057	5		
17-Jun-20	<2	859.7		3.4	<5	6.9	0.041	7		
24-Jun-20	<2	904.5		2.7	<5	7.1	0.032	4		
01-Jul-20	<2	901.7	172	3.5	<5	7.1	0.082	6	1.68	
08-Jul-20	<2	882.6		4.5	<5	7.1	0.045	6		
15-Jul-20	<2	803.2		3.1	<5	7.8	0.082	4		
22-Jul-20	<2	895.6		2.9	<5	6.9	0.047	7		
29-Jul-20	<2	895.4		3.1	5	6.9	0.013	6		
05-Aug-20	<2	871.4	<1	3.2	<5	6.9	0.046	5	0.72	
12-Aug-20	<2	856.2		3.5	<5	6.8	0.01	6		
19-Aug-20	<2	914.9		2.2	<5	7.0	0.047	5		
26-Aug-20	<2	900		3.6	<5	7.1	0.024	6		
02-Sep-20	2.0	896	<1	3.1	<5	7.0	0.134	5	0.71	
09-Sep-20	<2	894		2.5	<5	7.1	0.027	6		
16-Sep-20	<2	937.2		3.3	<5	7.0	0.039	10		
23-Sep-20	<2	941		3.6	<5	7.7	0.039	6		
30-Sep-20	2.0	897.2		3.3	<5	6.9	0.032	7		
07-Oct-20	<2	948.8	<1	3.2	<5	6.9	0.041	3	0.62	
14-Oct-20	3.0	967.7		2.8	<5	7.0	0.024	3		
21-Oct-20	3.0	933.6		3.4	<5	7.0	0.033	4		
28-Oct-20	<2	953.2		3.1	<5		0.02	4		
04-Nov-20	<2	940.7	<1	2.4	<5	7.1	0.03	6	0.4	



# Mulwala Sewage Treatment Works

EPA Licence Number: 814

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
<b>Conc Limit</b>	<b>10</b>	<b>none</b>	<b>200</b>	<b>10</b>	<b>5</b>	<b>6.5-8.5</b>	<b>0.3</b>	<b>15</b>	<b>2</b>	<b>5</b>
<b>Units</b>	<b>mg/L</b>	<b>uS/cm</b>	<b>CFU/100ml</b>	<b>mg/L</b>	<b>mg/L</b>	<b>pH Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
11-Nov-20	2.0	964.1		2.2	<5	7.1	0.04	5		
18-Nov-20	2.0	986.9		2.4	<5	7.4	0.02	40		
25-Nov-20	2.0	1057		2.6	<5	7.3	0.04	4		
12-Dec-20	2.0	1028	<1	3.7	<5	7.3	0.02	5	0.7	
09-Dec-20	2.0	956.8		3.3	<5	7.1	0.02	5		
16-Dec-20	<2	988.6		3.3	<5	7.3	0.06	5		33
23-Dec-20	2.0	915.5		3.3	<5	7.0	0.02	4		26
30-Dec-20	<2	925.9		6.1	<5	7.0	0.04	5		40
06-Jan-21	<2	944.1	<1	2.8	<5	7.2	0.02	4	0.8	NR
13-Jan-21	<2	486.8		3.1	<5	7.4	0.02	4		17
20-Jan-21	<2	908.9		4.0	<5	6.6	0.02	3		48
27-Jan-21	<2	912.4		5.2	<5	7.0	0.03	4		89
03-Feb-21	<2	947	20	2.4	<5	7.1	0.02	4	0.7	19
10-Feb-21	2.0	972.6		3.3	<5	7.0	0.03	4		11
17-Feb-21	2.0	956.9		4.2	<5	6.9	0.03	4		22
24-Feb-21	2.0	924.9		3.5	<5	7.0	0.02	5		50
03-Mar-21	4.0	894.7	<1	4.0	<5	7.0	0.03	<3	>8	59
10-Mar-21	<2	891.2		2.9	<5	7.4	<.03	5		25
17-Mar-21	2.0	959.8		5.1	14	7.1	0.02	4		76
24-Mar-21	2.0	961.3		3.6	<5	7.0	0.03	6		25
31-Mar-21	4.0	994.5		4.3	<5	7.0	0.02	5		120
07-Apr-21	4.0	832.1	<1	2.5	<5	7.1	0.02	6	1.1	43
14-Apr-21	<2	938.6		4.2	<5	6.9	0.06	8		58
21-Apr-21	<2	970.7		3.9	<5	7.1	0.02	5		20

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
28-Apr-21	<2	949.8		4.6	<5	7.0	0.04	7		16
05-May-21	3.0	906.5	<1	4.8	<5	6.7	0.1	7	0.7	28
12-May-21	2.0	901.7		4.5	<5	7.1	0.04	7		19
19-May-21	<2	901.7		4.1	<5	7.1	0.05	6		46
26-May-21	4.0	939.8		4.1	<5	7.3	0.06	8		30
02-Jun-21	2.0	911	<1	3.6	<5	7.1	0.03	6	1	42
09-Jun-21	2.0	880.5		3.4	<5	7.1	0.03	5		48
16-Jun-21	<2	896.6		3.6	<5	7.0	0.03	5		30
23-Jun-21	<2	874.4		4.4	<5	7.0	0.03	5		49
30-Jun-21	<2	902.4		3.3	<5	6.8	0.02	6		39
07-Jul-21	2.0	872.9	<1	4.0	<5	7.0	0.06	6	0.6	37
14-Jul-21	3.0	841.3		3.9	<5	7.1	0.02	5		33
21-Jul-21	<2	888.9		5.3	<5	7.0	0.03	5		29
28-Jul-21	2.0	977.3		4.5	<5	7.3	0.03	5		34
04-Aug-21	3.0	1027	<1	3.7	<5	7.3	0.07	4	0.9	50
11-Aug-21	<2	1012		4.3	<5	7.1	0.03	5		36
18-Aug-21	<2	997.5		3.3	<5	7.1	0.03	6		46
25-Aug-21	<2	924.8		3.4	<5	7.1	0.02	<3		59
01-Sep-21	<2	926	<1	4.6	<5	7.1	<.02	6	0.5	28
08-Sep-21	<2	906.7		3.7	<5	7.1	<.005	4		28
15-Sep-21	<2	1003		3.3	<5	7.2	0.007	4		22
22-Sep-21	<2	967.5		3.9	<5	7.3	0.02	4		28
29-Sep-21	<2	969.6		3.4	<5	7.1	0.04	5		30
06-Oct-21	<2	965.1	<1	2.7	<5	7.3	0.04	6	0.7	34

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
13-Oct-21	<2	1026		3.3	<5	7.1	0.03	5		18
21-Oct-21	<2	989.2		3.1	<5	7.2	0.02	5		20
27-Oct-21	2.0	1022		4.1	<5	7.3	0.05	5		25
03-Nov-21	<2	1000	<1	5.0	<5	7.2	0.06	4	0.8	28
10-Nov-21	3.0	1154		4.1	<5	7.4	0.08	5		21
17-Nov-21	<2	1081		4.8	<5	7.3	0.07	5		21
24-Nov-21	2.0	1084		4.3	<5	7.5	0.06	6		17
01-Dec-21	4.0	1121	<1	3.4	<5	7.2	0.03	7	0.2	14
08-Dec-21	<2	1130		4.5	<5	7.2	0.03	4		19
15-Dec-21	<2	1197		3.4	<5	7.1	0.03	8		25
22-Dec-21	<2	1100		5.1	<5	7.2	0.02	6		10
29-Dec-21	<2	1100		7.3	<5	7.2	0.06	7		23
05-Jan-22	2.0	940	7	7.2	<5	7.2	0.06	6	0.7	29
12-Jan-22	3.0	1000		5.5	<5	7.2	0.04	6		22
19-Jan-22	2.0	1112		4.3	<5	7.0	0.1	7		53
25-Jan-22	2.0	1056		5.7	<5	7.1	0.07	7		15
02-Feb-22	4.0	1078	20	3.8	<5	7.3	0.2	4	0.4	13
09-Feb-22	<2	1129		4.2	NT	7.1	0.02	6		NT
16-Feb-22	<3	1103		4.0	<5	7.3	0.04	6		12
22-Feb-22	2.0	1004		3.9	<5	7.2	0.05	6		24
02-Mar-22	<2	1033	<1	5.8	<5	7.4	0.04	6	0.5	23
09-Mar-22	<2	1042		6.6	<5	7.0	0.05	3		15
16-Mar-22	<2	990		4.5	<5	8.0	<0.05	6		18
22-Mar-22	<2	1011		5.0	<5	7.1	<0.05	4		17

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
30-Mar-22	3.0	1011		4.6	<5	7.1	<0.05	6		13
06-Apr-22	<2	933	1	4.7	<5	7.2	<0.05	6	0.6	19
13-Apr-22	<2	984		4.5	<5	7.1	<0.05	6		56
20-Apr-22	<2	895.7		5.0	<5	7.1	0.04	4		35
27-Apr-22	<2	1002		3.7	<5	7.2	<0.05	7		28
04-May-22	<2	1052	1	4.6	<5	7.3	<0.05	4	1	95
11-May-22	<2	1007		6.2	<5	7.2	0.06	4		25
18-May-22	<2	994.4		4.8	<5	7.0	<0.05	6		38
25-May-22	<2	964.9		5.6	<5	6.8	<0.05	8		36
01-Jun-22	<2	945.9	<1	5.7	<5	7.1	<0.05	4	0.6	NR
08-Jun-22	<2	971		4.4	<5	7.1	<0.05	5		30
15-Jun-22	<2	1023		5.3	<5	7.1	<0.05	5		35
22-Jun-22	<2	944.9		4.4	<5	7.2	<0.05	5		33
29-Jun-22	<2	1070		4.7	<5	7.2	0.08	<3		33
06-Jul-22	<2	917.1	<1	4.4	<5	7.2	0.08	4	0.08	47
13-Jul-22	<2	992.8		3.7	<5	7.4	<0.005	4		53
20-Jul-22	<2	955.2		4.4	<5	7.1	0.07	4		36
27-Jul-22	<2	1001		4.0	<5	7.1	0.05	6		32
03-Aug-22	<2	1461	<1	3.8	<5	7.2	>0.05	5	0.9	34
10-Aug-22	<2	1096		5.4	<5	7.1	0.06	5		30
18-Aug-22	<2	1012		3.8	<5	7.1	0.08	4		73
24-Aug-22	<2	997.5		3.8	<5	7.1	0.05	5		36
31-Aug-22	<2	1008	<1	3.6	<5	7.0	>05	5	1.1	37
07-Sep-22	<2	1066		4.6	<5	7.0	<.05	3		37

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
14-Sep-22	<2	1049		4.2	<5	7.1	<.05	6		<5
21-Sep-22	2.0	996.8		3.9	<5	7.0	<.05	5		57
28-Sep-22	<2	1050		5.2	<5	7.3	0.1	5		110
05-Oct-22	<2	1046	2	4.0	<5	7.1	0.06	5	1	34
12-Oct-22	<2	1010		4.7	<5	7.1	0.06	3		5
19-Oct-22	<2	1190		5.3	<5	7.2	0.04	4		13
26-Oct-22	<2	930.6		3.9	<5	7.0	0.05	6		20
02-Nov-22	<2	997.8	<1	4.8	<5	7.3	0.05	4	0.6	76
09-Nov-22	<2	1083		3.3	<5	7.0	0.03	4		<5
16-Nov-22	<2	880.3		3.3	<5	7.1	0.03	<3		27
23-Nov-22	<2	950		3.9	<5	7.1	0.02	3		93
30-Nov-22	<2	1116		3.7	<5	6.8	0.01	5		<5
06-Dec-22	<2	1188	1	4.0	<5	7.0	0.02	4	0.5	170
14-Dec-22	<2	1142		5.0	<5	7.4	0.02	3		15
21-Dec-22	<2	1112		3.6	<5	7.3	0.02	5		23
04-Jan-23	3.0	933.6	1	5.0	<5	7.2	0.1	7	1.6	35
11-Jan-23	<2	1030		5.4	<5	6.9	<.05	5		26
18-Jan-23	<2	1115		4.2	<5	7.0	<.05	7		26
25-Jan-23	<2	1070		4.9	<5	7.1	0.05	7		17
01-Feb-23	<2	1089	<1	4.8	14	7.2	0.05	4	0.8	<5
08-Feb-23	<2	1035		4.0	<5	7.3	0.08	6		18
15-Feb-23	<2	1282		5.3	<5	7.1	0.1	8		33
22-Feb-23	<2	1234		4.5	<5	7.0	0.06	7		8
01-Mar-23	<2	1026	<1	5.8	<5	7.0	<.02	7	0.4	17

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
08-Mar-23	<2	990		4.6	<5	7.3	0.07	7		27
14-Mar-23	<2	910		4.7	<5	7.2	0.07	6		47
22-Mar-23	<2	960		5.1	<5	7.7	0.07	5		<5
29-Mar-23	<2	940		4.9	<5	7.5	<0.05	6		17
05-Apr-23	<2	934.7	1	4.8	<5	7.0	0.04	6	0.3	18
12-Apr-23	<2	867.5		6.7	<5	7.1	0.08	9		25
19-Apr-23	<2	873.6		4.0	<5	6.9	0.06	8		28
26-Apr-23	<2	884.9		4.2	<5	7.1	0.04	7		18
02-May-23	<2	880.9	<1	5.0	<5	7.0	0.03	7	0.7	21
10-May-23	<2	818.3		5.7	<5	7.1	0.03	5		32
17-May-23	<2	831.9		4.0	<5	7.1	0.03	4		23
24-May-23	<2	857.9		4.2	<5	7.0	0.02	4		32
31-May-23	<2	870		4.8	<5	6.9	0.1	10		51
07-Jun-23	<2	870	<1	4.2	<5	7.0	0.02	7	0.5	<5
14-Jun-23	<2	910		4.9	<5	7.0	0.07	5		<5
21-Jun-23	<2	808.9		4.0	<5	7.0	0.03	6		28
28-Jun-23	<2	960.7		4.5	<5	7.1	0.03	7		33
05-Jul-23	<2	912.8	<1	5.1	<5	7.2	0.06	9	0.4	28
12-Jul-23	<2	994.5		4.7	<5	7.3	0.1	10		34
19-Jul-23	<2	936.7		4.6	<5	7.0	0.02	10		29
26-Jul-23	3.0	923		4.0	<5	7.0	0.08	10		20
02-Aug-23	<2	946.2	<1	4.6	<5	7.2	0.06	7	1	23
09-Aug-23	<2	948.4		3.9	<5	7.2	0.04	8		28
16-Aug-23	<2	962.5		3.6	<5	7.4	0.04	6		68

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Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
23-Aug-23	<2	949		3.9	<5	7.7	0.05	8		31
30-Aug-23	<2	953.4		3.9	<5	7.3	0.05	6		27
06-Sep-23	<2	933.1	<1	3.9	<5	7.4	0.04	4	0.5	23
13-Sep-23	<2	897.5		4.1	<5	7.2	0.04	4		11
20-Sep-23	<2	964.7		4.1	<5	7.1	0.05	8		12
27-Sep-23	3.0	960.6		4.6	<5	7.1	0.05	8		24
04-Oct-23	<2	898.6	<1	3.9	<5	7.4	0.05	6	0.6	17
11-Oct-23	<2	964.4		3.8	<5	7.2	0.03	4		25
18-Oct-23	<2	928.3		4.4	<5	7.2	0.02	4		15
25-Oct-23	<2	1007		5.1	<5	7.5	0.02	4		30
01-Nov-23	<2	991.4	<1	3.8	<5	7.4	0.02	5	0.6	22
08-Nov-23	<2	938.1		5.0	<5	7.1	0.03	7		18
15-Nov-23	<2	992.5		3.3	<5	7.0	0.03	7		28
22-Nov-23	<2	1012		3.6	<5	7.1	0.03	6		31
29-Nov-23	<2	872.7		3.6	<5	7.1	0.04	5		11
06-Dec-23	<2	1069	<1	3.1	<5	7.2	0.03	5	0.7	10
13-Dec-23	<2	1056		3.9	<5	7.3	0.03	5		17
20-Dec-23	<2	1119		3.2	<5	7.2	0.1	6		12
27-Dec-23	<2	1056		18.4	<5	7.0	0.3	7		11
03-Jan-24	<2	1008	49	4.8	<5	7.4	0.1	5	1	9
10-Jan-24	<2	927		4.6	<5	7.3	0.4	4		9
17-Jan-24	<2	1008		4.1	<5	7.3	0.05	6		37
24-Jan-24	<2	955		4.3	<5	7.2	0.04	5		22
31-Jan-24	<2	986		3.5	<5	7.2	0.04	6		20

# Mulwala Sewage Treatment Works

EPA Licence Number: 814

Licence web link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31196&SYSUID=1&LICID=814>

Licencee: Federation Council

Sampling Frequency: Monthly & Weekly

## Effluent - Point 1

Pollutant	BOD	Conductivity	Faecal Coliforms	Total Nitrogen	Outflow Oil & Grease	pH	Total Phosphorous	Total Suspended Solids	Ammonia	Inflow Oil & Grease
Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
07-Feb-24	<2	980	<1	4.0	<5	7.0	0.04	6	0.4	45
14-Feb-24	<2	1100		3.8	<5	7.2	0.01	4		15
21-Feb-24	<2	980.2		3.8	<5	7.1	0.01	6		11
28-Feb-24	<2	988.7		4.2	<5	7.0	0.02	5		14
05-Mar-24	<2	953.9	<1	4.5	<5	7.2	0.01	5	0.5	28
13-Mar-24	<2	975.4		5.5	<5	7.0	0.1	4		23
20-Mar-24	<2	979.3		4.8	<5	7.1	<0.05	5		14
27-Mar-24	<2	993.1		8.0	<5	7.1	<0.05	4		9
03-Apr-24	<2	883.2	<1	4.8	<5	7.0	0.06	5	1.1	10
10-Apr-24	<2	1153		4.0	<5	7.3	0.1	8		23
17-Apr-24	<2	1016		4.0	<5	7.1	<0.005	4		20
24-Apr-24	<2	1074		4.0	<5	7.1	0.01	5		55
01-May-24	<2	939	<1	3.5	<5	7.1	0.006	8	0.9	21
08-May-24	<2	937.9		3.9	<5	7.2	<0.05	6		53
15-May-24	<2	936.5		4.3	<5	7.1	0.02	5		16
29-May-24	<2	936.6		5.1	<5	7.0	0.1	4		17
05-Jun-24	<2	934.6	<1	3.9	<5	7.1	0.009	5	0.5	27
12-Jun-24	<2	930		5.0	<5	7.1	0.08	4		32
19-Jun-24	<2	1041		5.1	<5	7.2	0.07	4		22
26-Jun-24	<2	1058		4.9	<5	7.2	0.04	5		23
03-Jul-24	<2	902.1	-	13.5	<5	6.3	<0.05	4	0.3	35
10-Jul-24	<2	997.7		4.7	<5	7.0	<0.005	6		52
17-Jul-24	<2	1062		8.5	<5	7.1	0.02	4		34
24-Jul-24	<2	874.8		9.0	<5	5.8	0.03	5		20



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Conc Limit	10	none	200	10	5	6.5-8.5	0.3	15	2	5
Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
31-Jul-24	<2	1049		10.3	<5	7.0	0.05	7		50
07-Aug-24	<2	1017	1	4.2	<5	7.1	0.1	6	1	26
14-Aug-24	<2	1018		3.3	<5	6.8	0.03	4		28
21-Aug-24	<2	986.7		2.5	<5	7.3	0.05	<3		16
28-Aug-24	<2	954.7		3.8	<5	7.2	0.06	<3		43
04-Sep-24	<2	832.6	<1	4.3	<5	7.3	0.07	7	0.4	26
11-Sep-24	<2	804.4		3.5	<5	7.0	0.03	4		40
18-Sep-24	<2	811.7		8.1	<5	6.9	0.04	4		29
25-Sep-24	<2	792.8		6.1	<5	7.0	0.3	4		15
02-Oct-24	3.0	764.1	28	5.9	NT	7.2	0.06	6	0.4	49
09-Oct-24	<2	826.6		8.1	<5	6.9	0.02	4		22
16-Oct-24	<2	833.4		5.2	<5	6.9	0.04	6		14
23-Oct-24	<2	840.5		3.6	<5	7.1	0.05	5		19
30-Oct-24	<2	838.3		6.3	<5	7.2	0.02	4		10
06-Nov-24	<2	845.6	179	6.4	<5	7.2	0.06	4	0.3	9
13-Nov-24	<2	882.9		6.2	<5	7.3	0.09	9		9
20-Nov-24	3.0	892.2		6.8	<5	7.3	0.2	7		16
27-Nov-24	3.0	857.1		6.9	<5	7.3	0.3	6		19
03-Dec-24	3.0	951.5	70	8.1	<5	7.3	0.1	5	0.4	<5.00
11-Dec-24	2.0	993		6.9	<5	7.0	0.06	5		25
18-Dec-24	<2	928		6.5	<5	7.4	0.1	4		10
23-Dec-24	<2	945.7		8.4	<5	7.1	0.2	6		11
02-Jan-25	<2	691.6	<1	<0.30	<5	7.2	<0.005	9	<0.03	12
08-Jan-25	<2	905.7		8.3	<5	6.4	0.03	5		14

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<b>Conc Limit</b>	10	none	200	10	5	6.5-8.5	0.3	15	2	5
<b>Units</b>	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L
15-Jan-25	<2	969.6		6.9	<5	6.3	0.02	6		25
22-Jan-25	<2	968.1		7.4	<5	6.1	0.02	6		13
29-Jan-25	<2	920.7		8.3	<5	6.3	0.01	4		46
05-Feb-25	<2	942	1	5.1	<5	6.7	0.03	6	0.4	<5
12-Feb-25	<2	848.9		5.1	<5	6.8	0.04	5		12
19-Feb-25	<2	712.4		6.7	<5	6.8	0.2	6		11

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Units	mg/L	uS/cm	CFU/100ml	mg/L	mg/L	pH Units	mg/L	mg/L	mg/L	mg/L