Picton Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 10555

Summary period: 01-05-2020 to 31-05-2020
Date obtained: 05-06-2020
Date published: 17-06-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	13	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	13	14	52	190
nitrogen (ammonia)	mg/L	on bypass	13	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	13	4.38	4.63	4.81
phosphorus (total)	mg/L	on bypass	13	0.02	0.03	0.03
total suspended solids	mg/L	on bypass	13	<2	<2	2

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	3	6
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	10	220	430
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.7	0.74	0.77
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.3	4.32	4.34
pH	pH Units	every 6 days when irrigating	2	7.8	7.84	7.87
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.44	0.47	0.49
total suspended solids	mg/L	every 6 days when irrigating	2	<2	<2	2

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	11	24	36
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.07	0.09	0.1
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.6	4.63	4.66
pH	pH Units	every 6 days when irrigating	2	7.67	7.71	7.74
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.02	0.02	0.03

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
total suspended solids	mg/L	every 6 days when irrigating	2	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 10555

Summary period: 01-04-2020 to 30-04-2020
Date obtained: 07-05-2020
Date published: 15-05-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	4	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	4	56	116	220
nitrogen (ammonia)	mg/L	on bypass	4	<0.1	0.13	0.2
nitrogen (total)	mg/L	on bypass	4	4.15	4.63	4.97
phosphorus (total)	mg/L	on bypass	4	0.03	0.04	0.06
total suspended solids	mg/L	on bypass	4	<2	2	4

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	16
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	1.16
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.42
pH	pH Units	every 6 days when irrigating	1	-	-	7.54
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.59
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	54	75	96
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.07	0.08	0.08
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.03	4.41	4.79
pH	pH Units	every 6 days when irrigating	2	7.46	7.52	7.57
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.03	0.03	0.03

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
total suspended solids	mg/L	every 6 days when irrigating	2	<2	<2	3

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 10555

Summary period: 01-03-2020 to 31-03-2020
Date obtained: 04-04-2020
Date published: 15-04-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	6	<2	<2	2
faecal coliforms	CFU/100mL	on bypass	6	49	359	1,300
nitrogen (ammonia)	mg/L	on bypass	6	0.1	0.28	0.4
nitrogen (total)	mg/L	on bypass	6	4.19	4.47	4.95
phosphorus (total)	mg/L	on bypass	6	0.03	0.07	0.2
total suspended solids	mg/L	on bypass	6	2	4	7

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 10555

Summary period: 01-02-2020 to 29-02-2020
Date obtained: 24-03-2020
Date published: 27-03-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	11	<2	<2	3
faecal coliforms	CFU/100mL	on bypass	11	250	703	2,400
nitrogen (ammonia)	mg/L	on bypass	11	0.1	0.76	1.3
nitrogen (total)	mg/L	on bypass	11	3.44	4.34	5.36
oil and grease	mg/L	on bypass	2	<5	<5	<5
phosphorus (total)	mg/L	on bypass	11	0.16	0.18	0.21
total suspended solids	mg/L	on bypass	11	9	14	22

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 10555

Summary period: 01-01-2020 to 31-01-2020
Date obtained: 06-02-2020
Date published: 14-02-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	**unit of measure**	**sampling frequency**	**number of samples**	**minimum result**	**mean result**	**maximum result**
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	4	<2	3	5
faecal coliforms	CFU/100mL	every 6 days when irrigating	4	5	28	89
nitrogen (ammonia)	mg/L	every 6 days when irrigating	4	0.03	0.1	0.24
nitrogen (total)	mg/L	every 6 days when irrigating	4	4.59	5.11	5.52
pH	pH Units	every 6 days when irrigating	4	9.03	9.57	9.97
phosphorus (total)	mg/L	every 6 days when irrigating	4	0.67	0.87	1.06
total suspended solids	mg/L	every 6 days when irrigating	4	<2	7	15

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	**unit of measure**	**sampling frequency**	**number of samples**	**minimum result**	**mean result**	**maximum result**
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	4	<2	3	4
faecal coliforms	CFU/100mL	every 6 days when irrigating	4	91	303	560
nitrogen (ammonia)	mg/L	every 6 days when irrigating	4	0.01	0.06	0.17
nitrogen (total)	mg/L	every 6 days when irrigating	4	1.59	1.95	2.79
pH	pH Units	every 6 days when irrigating	4	9.03	9.38	9.6
phosphorus (total)	mg/L	every 6 days when irrigating	4	0.09	0.16	0.22
total suspended solids	mg/L	every 6 days when irrigating	4	5	9	11

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 10555

Summary period: 01-12-2019 to 31-12-2019
Date obtained: 27-12-2019
Date published: 10-01-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	14	18	22
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.02	0.04	0.06
nitrogen (total)	mg/L	every 6 days when irrigating	2	5.44	5.51	5.58
pH	pH Units	every 6 days when irrigating	2	9.39	9.6	9.8
phosphorus (total)	mg/L	every 6 days when irrigating	2	1.08	1.25	1.42
total suspended solids	mg/L	every 6 days when irrigating	2	4	5	5

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	25	44	62
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.07	0.16	0.24
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.41	2.53	2.64
pH	pH Units	every 6 days when irrigating	2	8.44	8.76	9.07
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.04	0.04	0.05
total suspended solids	mg/L	every 6 days when irrigating	2	<2	3	5

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 10555

Summary period: 01-11-2019 to 30-11-2019
Date obtained: 27-11-2019
Date published: 09-12-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	**unit of measure**	**sampling frequency**	**number of samples**	**minimum result**	**mean result**	**maximum result**
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	4	<2	<2	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	4	32	45	58
nitrogen (ammonia)	mg/L	every 6 days when irrigating	4	0.02	0.04	0.05
nitrogen (total)	mg/L	every 6 days when irrigating	4	4.36	4.57	4.75
pH	pH Units	every 6 days when irrigating	4	9.37	9.48	9.61
phosphorus (total)	mg/L	every 6 days when irrigating	4	0.53	0.99	1.42
total suspended solids	mg/L	every 6 days when irrigating	4	2	4	6

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	**unit of measure**	**sampling frequency**	**number of samples**	**minimum result**	**mean result**	**maximum result**
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	4	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	4	14	89	210
nitrogen (ammonia)	mg/L	every 6 days when irrigating	4	0.11	0.15	0.22
nitrogen (total)	mg/L	every 6 days when irrigating	4	3.21	3.5	3.88
pH	pH Units	every 6 days when irrigating	4	8.28	8.46	8.81
phosphorus (total)	mg/L	every 6 days when irrigating	4	0.04	0.05	0.07
total suspended solids	mg/L	every 6 days when irrigating	4	<2	3	4

Average and percentile limits are only applied annually for routine monitoring data

No samples collected from EPA Point 1 during the November period.

Picton Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 10555

Summary period: 01-10-2019 to 31-10-2019
Date obtained: 29-10-2019
Date published: 12-11-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	8	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	8	13	40	85
nitrogen (ammonia)	mg/L	on bypass	8	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	8	3.99	4.18	4.43
phosphorus (total)	mg/L	on bypass	8	0.02	0.03	0.04
total suspended solids	mg/L	on bypass	8	<2	<2	<2

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	7	12	21
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.03	0.04	0.05
nitrogen (total)	mg/L	every 6 days when irrigating	3	4.28	4.38	4.53
pH	pH Units	every 6 days when irrigating	3	9.19	9.41	9.56
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.21	0.23	0.26
total suspended solids	mg/L	every 6 days when irrigating	3	<2	<2	3

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	19	56	110
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.1	0.17	0.21
nitrogen (total)	mg/L	every 6 days when irrigating	3	4.16	4.23	4.3
pH	pH Units	every 6 days when irrigating	3	7.74	7.85	8.02
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.03	0.05	0.07

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
total suspended solids	mg/L	every 6 days when irrigating	3	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 10555

Summary period: 01-09-2019 to 30-09-2019
Date obtained: 01-10-2019
Date published: 15-10-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	4	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	4	7	44	89
nitrogen (ammonia)	mg/L	on bypass	4	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	on bypass	4	3.99	4.16	4.39
phosphorus (total)	mg/L	on bypass	4	0.02	0.03	0.03
total suspended solids	mg/L	on bypass	4	<2	<2	<2

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	35
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.06
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.45
pH	pH Units	every 6 days when irrigating	1	-	-	8.43
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.33
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	2

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	20
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.04
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.79
pH	pH Units	every 6 days when irrigating	1	-	-	7.89
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.05

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

Average and percentile limits are only applied annually for routine monitoring data

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Picton Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 10555

Summary period: 01-08-2019 to 31-08-2019
Date obtained: 06-09-2019
Date published: 16-09-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	**unit of measure**	**sampling frequency**	**number of samples**	**minimum result**	**mean result**	**maximum result**
carbonaceous biochemical oxygen demand	mg/L	on bypass	11	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	11	12	32	71
nitrogen (ammonia)	mg/L	on bypass	11	<0.1	<0.1	0.3
nitrogen (total)	mg/L	on bypass	11	4.42	4.64	4.79
phosphorus (total)	mg/L	on bypass	11	0.02	0.02	0.03
total suspended solids	mg/L	on bypass	11	<2	<2	<2

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	**unit of measure**	**sampling frequency**	**number of samples**	**minimum result**	**mean result**	**maximum result**
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	6
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.02
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.81
pH	pH Units	every 6 days when irrigating	1	-	-	8.06
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.35
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	3

No samples collected at EPA Point 13 as the irrigation system was not operating during the August monitoring period.

Picton Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 10555

Summary period: 01-07-2019 to 31-07-2019
Date obtained: 31-07-2019
Date published: 08-08-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 1 Site code PI0001	Point description: Outlet of the effluent buffer tank at the western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	14	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	14	16	47	76
nitrogen (ammonia)	mg/L	on bypass	14	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	14	4.67	4.86	4.97
phosphorus (total)	mg/L	on bypass	14	0.02	0.03	0.05
total suspended solids	mg/L	on bypass	14	<2	<2	4

EPA Point 11 Site code PI0011	Point description: Outlet of the effluent irrigation eastern dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	6	73	140
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.01	0.04	0.06
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.23	4.32	4.4
pH	pH Units	every 6 days when irrigating	2	7.97	8.04	8.1
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.49	0.49	0.49
total suspended solids	mg/L	every 6 days when irrigating	2	<2	<2	3

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	42
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.06
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.65
pH	pH Units	every 6 days when irrigating	1	-	-	7.65
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.04

EPA Point 13 Site code PI0013	Point description: Outlet of the effluent irrigation western dam					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

Average and percentile limits are only applied annually for routine monitoring data

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