

Licencee Name: Loop Organics Pty Ltd
 Facility Address: 74 Lemington Rd, Ravensworth
 EPL No.: EPL 20892

2018 - 2019	EPA Identification No.		2		2		2		2		
	Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
	Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
	Date sample collected		7/08/2018		27/11/2018		8/02/2019		15/05/2019		
	Time		4:00 PM		5:30 PM		3:00 PM		4:00 PM		
	Date data obtained		30/08/2018		7/12/2018 & 19/12/2018		21/02/2019		5/06/2019		
	Date data published		25/09/2018		31/12/2018		6/03/2019		12/06/2019		
	Pollutant	Units	Pollution conc. Limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
	Alkalinity (CaCO3)	mg/L	N/A	74	N/A	140	N/A	200	N/A	150	N/A
	Ammonia	mg/L	N/A	0.068	N/A	0.22	N/A	1.1	N/A	0.073	N/A
Calcium	mg/L	N/A	6.1	N/A	21	N/A	24	N/A	29	N/A	
Chloride	mg/L	N/A	20	N/A	22	N/A	37	N/A	43	N/A	
EC	mS/cm	N/A	0.28	N/A	0.49	N/A	0.63	N/A	0.59	N/A	
Fluoride	mg/L	N/A	1	N/A	0.9	N/A	0.7	N/A	0.5	N/A	
Iron	mg/L	N/A	6.6	N/A	1.85	N/A	0.77	N/A	0.59	N/A	
Magnesium	mg/L	N/A	12	N/A	16	N/A	16	N/A	22	N/A	
Manganese	mg/L	N/A	0.076	N/A	0.034	N/A	0.035	N/A	0.095	N/A	
N (total)	mg/L	N/A	5.5	N/A	6.6	N/A	9.4	N/A	15	N/A	
pH	pH	N/A	7.5	N/A	8.3	N/A	7.7	N/A	8.7	N/A	
Phosphorus	mg/L	N/A	0.2	N/A	2.3		2.1	N/A	4	N/A	
PAH	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Potassium	mg/L	N/A	6.6	N/A	8	N/A	11	N/A	17	N/A	
Sodium	mg/L	N/A	31	N/A	48	N/A	53	N/A	59	N/A	
Sulfate	mg/L	N/A	33	N/A	42	N/A	53	N/A	71	N/A	
Total organic carbon	mg/L	N/A	9.1	N/A	10	N/A	70	N/A	79	N/A	
Total petroleum hydrocarbons	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Total phenolics	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Total suspended solids	mg/L	N/A	400	N/A	82	N/A	70	N/A	140	N/A	

ND = Not detected for all analytes in this group.

2019 - 2020	EPA Identification No.		2		2		2		2		
	Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
	Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
	Date sample collected		18/08/2019		N/A		3/03/2020		29/05/2020		
	Time		4:00 PM		N/A		N/A		N/A		
	Date data obtained		29/08/2019		N/A		19/03/2020		23/06/2020		
	Date data published		18/09/2019		9/12/2019						
	Pollutant	Units	Pollution conc. limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
	Alkalinity (CaCO3)	mg/L	N/A	250	N/A	No sample collected. Leachate dam level below 5% due to dry weather condition during quarter and leachate not able to be collected.	N/A	280	N/A	250	N/A
	Ammonia	mg/L	N/A	5	N/A		N/A	19	N/A	4.5	N/A
	Calcium	mg/L	N/A	43	N/A		N/A	330	N/A	42	N/A
	Chloride	mg/L	N/A	60	N/A		N/A	83	N/A	110	N/A
	EC	mS/cm	N/A	0.85	N/A		N/A	#REF!	N/A	1	N/A
	Fluoride	mg/L	N/A	0.8	N/A		N/A	0.4	N/A	0.6	N/A
	Iron	mg/L	N/A	2.44	N/A		N/A	#REF!	N/A	0.9	N/A
	Magnesium	mg/L	N/A	33	N/A		N/A	890	N/A	36	N/A
	Manganese	mg/L	N/A	0.29	N/A		N/A	#REF!	N/A	0.09	N/A
N (total)	mg/L	N/A	7.2	N/A	N/A		33	N/A	15	N/A	
pH	pH	N/A	7.9	N/A	N/A		7.8	N/A	7.3	N/A	
Phosphorus	mg/L	N/A	1.5	N/A	N/A		0.051	N/A	5.1	N/A	
PAH	mg/L	N/A	ND	N/A	N/A		ND	N/A	ND	N/A	
Potassium	mg/L	N/A	19	N/A	N/A		630	N/A	37	N/A	
Sodium	mg/L	N/A	73	N/A	N/A		11200	N/A	86	N/A	
Sulfate	mg/L	N/A	95	N/A	N/A		88	N/A	80	N/A	
Total organic carbon	mg/L	N/A	40	N/A	N/A	120	N/A	110	N/A		
Total petroleum hydrocarbons	mg/L	N/A	ND	N/A	N/A	ND	N/A	ND	N/A		
Total phenolics	mg/L	N/A	ND	N/A	N/A	ND	N/A	ND	N/A		
Total suspended solids	mg/L	N/A	17	N/A	N/A	21	N/A	72	N/A		

ND = Not detected for all analytes in this group.

2020 - 2021	EPA Identification No.		2		2		2		2		
	Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
	Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
	Date sample collected		25/08/2020		3/12/2020		11/02/2021		26/04/2021		
	Time		10:00 AM		10:00 AM		10:00 AM		10:00 AM		
	Date data obtained		11/09/2020		14/12/2020		23/02/2021		5/05/2021		
	Date data published		18/09/2020		31/12/2020		8/03/2021		12/05/2021		
	Pollutant	Units	Pollution conc. limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
	Alkalinity (CaCO3)	mg/L	N/A	340	N/A	210	N/A	190	N/A	260	N/A
	Ammonia	mg/L	N/A	10	N/A	3	N/A	2.7	N/A	5.4	N/A
Calcium	mg/L	N/A	66	N/A	53	N/A	45	N/A	89	N/A	
Chloride	mg/L	N/A	90	N/A	110	N/A	96	N/A	70	N/A	
EC	mS/cm	N/A	1.2	N/A	1.4	N/A	1.1	N/A	1.3	N/A	
Fluoride	mg/L	N/A	0.4	N/A	0.4	N/A	0.3	N/A	0.3	N/A	
Iron	mg/L	N/A	0.41	N/A	0.16	N/A	0.2	N/A	0.00074	N/A	
Magnesium	mg/L	N/A	44	N/A	47	N/A	35	N/A	52	N/A	
Manganese	mg/L	N/A	0.17	N/A	0.022	N/A	0.032	N/A	0.00008	N/A	
N (total)	mg/L	N/A	21	N/A	28	N/A	15	N/A	20	N/A	
pH	pH	N/A	7.7	N/A	8.1	N/A	7.7	N/A	8.5	N/A	
Phosphorus	mg/L	N/A	13	N/A	3.6	N/A	2.6	N/A	6.7	N/A	
PAH	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Potassium	mg/L	N/A	40	N/A	48	N/A	36	N/A	52	N/A	
Sodium	mg/L	N/A	110	N/A	140	N/A	120	N/A	120	N/A	
Sulfate	mg/L	N/A	140	N/A	230	N/A	260	N/A	130	N/A	
Total organic carbon	mg/L	N/A	110	N/A	140	N/A	100	N/A	92	N/A	
Total petroleum hydrocarbons	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Total phenolics	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Total suspended solids	mg/L	N/A	17	N/A	150	N/A	61	N/A	69	N/A	

ND = Not detected for all analytes in this group.

2021 - 2022	EPA Identification No.		2		2		2		2		
	Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
	Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
	Date sample collected		13/07/2021		15/11/2021		11/02/2022		8/06/2022		
	Time		10:00 AM		10:00 AM		10:00 AM		10:00 AM		
	Date data obtained		11/08/2021		24/11/2021		4/03/2022		17/06/2022		
	Date data published		12/10/2021		24/11/2021		28/04/2022		21/07/2022		
	Pollutant	Units	Pollution conc. limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
	Alkalinity (CaCO3)	mg/L	N/A	260	N/A	230	N/A	350	N/A	400	N/A
	Ammonia	mg/L	N/A	2.3	N/A	17	N/A	5.2	N/A	3.4	N/A
Calcium	mg/L	N/A	52	N/A	57	N/A	53	N/A	74	N/A	
Chloride	mg/L	N/A	95	N/A	77	N/A	120	N/A	82	N/A	
EC	mS/cm	N/A	1.1	N/A	1.2	N/A	1.2	N/A	1.2	N/A	
Fluoride	mg/L	N/A	0.2	N/A	0.3	N/A	0.4	N/A	0.3	N/A	
Iron	mg/L	N/A	0.68	N/A	1.4	N/A	0.6	N/A	1.1	N/A	
Magnesium	mg/L	N/A	44	N/A	36	N/A	43	N/A	41	N/A	
Manganese	mg/L	N/A	0.097	N/A	0.087	N/A	0.052	N/A	0.15	N/A	
N (total)	mg/L	N/A	13	N/A	31	N/A	27	N/A	21	N/A	
pH	pH	N/A	8.6	N/A	7.8	N/A	8	N/A	8.7	N/A	
Phosphorus	mg/L	N/A	2.3	N/A	4.7	N/A	4.3	N/A	5.1	N/A	
PAH	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Potassium	mg/L	N/A	50	N/A	39	N/A	46	N/A	41	N/A	
Sodium	mg/L	N/A	120	N/A	100	N/A	130	N/A	110	N/A	
Sulfate	mg/L	N/A	162	N/A	100	N/A	79	N/A	26	N/A	
Total organic carbon	mg/L	N/A	100	N/A	130	N/A	120	N/A	97	N/A	
Total petroleum hydrocarbons	mg/L	N/A	0.32	N/A	ND	N/A	0.1	N/A	0.49	N/A	
Total phenolics	mg/L	N/A	0.011	N/A	ND	N/A	0.032	N/A	0.002	N/A	
Total suspended solids	mg/L	N/A	92	N/A	140	N/A	64	N/A	74	N/A	

ND = Not detected for all analytes in this group.

2022 - 2023	EPA Identification No.		2		2		2		2		
	Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
	Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
	Date sample collected		12/09/2022		8/12/2022		4/04/2023		29/6/2023		
	Time		10:00 AM		10:00 AM		10:00 AM		10:00 AM		
	Date data obtained		25/10/2022		6/01/2023		1/05/2023		10//7/2023		
	Date data published		26/10/2022		12/01/2023		2/05/2023		11/07/2023		
	Pollutant	Units	Pollution conc. limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
	Alkalinity (CaCO3)	mg/L	N/A	440	N/A	280	N/A	240	N/A	270	N/A
	Ammonia	mg/L	N/A	12	N/A	2.6	N/A	5.5	N/A	0.9	N/A
	Calcium	mg/L	N/A	79	N/A	53	N/A	41	N/A	47	N/A
	Chloride	mg/L	N/A	86	N/A	77	N/A	72	N/A	68	N/A
	EC	uS/cm	N/A	1300	N/A	980	N/A	840	N/A	970	N/A
	Fluoride	mg/L	N/A	0.3	N/A	0.4	N/A	0.3	N/A	0.4	N/A
	Iron	mg/L	N/A	0.64	N/A	3	N/A	0.43	N/A	0.83	N/A
	Magnesium	mg/L	N/A	40	N/A	29	N/A	24	N/A	28	N/A
Manganese	mg/L	N/A	0.18	N/A	0.27	N/A	0.088	N/A	0.13	N/A	
N (total)	mg/L	N/A	31	N/A	17	N/A	18	N/A	9.4	N/A	
pH	pH	N/A	7.5	N/A	7.3	N/A	8	N/A	8.3	N/A	
Phosphorus	mg/L	N/A	5.7	N/A	8.4	N/A	3.4	N/A	3	N/A	
PAH	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Potassium	mg/L	N/A	37	N/A	34	N/A	37	N/A	40	N/A	
Sodium	mg/L	N/A	110	N/A	98	N/A	81	N/A	93	N/A	
Sulfate	mg/L	N/A	53	N/A	51	N/A	73	N/A	40	N/A	
Total organic carbon	mg/L	N/A	130	N/A	110	N/A	72	N/A	57	N/A	
Total Petroleum Hydrocarbons	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Total phenolics (phenols)	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	
Total suspended solids	mg/L	N/A	67	N/A	270	N/A	45	N/A	52	N/A	

ND = Not detected for all analytes in this group.

EPA Identification No.		2		2		2		2		
Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
Date sample collected		25/09/2023		2/02/2024		30/04/2024		17/07/2024		
Time		10:00 AM		10:00 AM		10:00 AM		10:00 AM		
Date data obtained		10/12/2023		20/02/2024		13/05/2024		23/07/2024		
Date data published		13/10/2023		20/02/2024		15/05/2024		23/07/2024		
Pollutant	Units	Pollution conc. limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
Alkalinity (CaCO3)	mg/L	N/A	360	N/A	390	N/A	340	N/A	320	N/A
Ammonia	mg/L	N/A	13	N/A	0.58	N/A	2.4	N/A	3.2	N/A
Calcium	mg/L	N/A	60	N/A	56	N/A	170	N/A	93	N/A
Chloride	mg/L	N/A	100	N/A	180	N/A	61	N/A	210	N/A
EC	uS/cm	N/A	1300	N/A	1500	N/A	1300	N/A	1500	N/A
Fluoride	mg/L	N/A	0.5	N/A	0.5	N/A	0.3	N/A	0.3	N/A
Iron	mg/L	N/A	1	N/A	0.18	N/A	0.35	N/A	0.73	N/A
Magnesium	mg/L	N/A	34	N/A	44	N/A	35	N/A	54	N/A
Manganese	mg/L	N/A	0.18	N/A	0.045	N/A	0.11	N/A	0.15	N/A
N (total)	mg/L	N/A	180	N/A	13	N/A	20	N/A	17	N/A
pH	pH	N/A	7.7	N/A	9.1	N/A	7.7	N/A	8	N/A
Phosphorus	mg/L	N/A	5.2	N/A	1.9	N/A	3.5	N/A	4	N/A
Polycyclic Aromatic Hydrocarbons (PAH)	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A
Potassium	mg/L	N/A	52	N/A	80	N/A	84	N/A	130	N/A
Sodium	mg/L	N/A	120	N/A	150	N/A	120	N/A	190	N/A
Sulfate	mg/L	N/A	52	N/A	95	N/A	150	N/A	150	N/A
Total Organic Carbon	mg/L	N/A	81	N/A	91	N/A	89	N/A	130	N/A
Total Petroleum Hydrocarbons	mg/L	N/A	ND	N/A	ND	N/A	2.53	N/A	1.06	N/A
(Formally TPH) TRH C6 - C9	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A
(Formally TPH) TRH C10 - C14	mg/L	N/A	ND	N/A	ND	N/A	0.15	N/A	ND	N/A
(Formally TPH) TRH C15 - C28	mg/L	N/A	ND	N/A	ND	N/A	1.6	N/A	0.58	N/A
(Formally TPH) TRH C29 - C36	mg/L	N/A	ND	N/A	ND	N/A	0.78	N/A	0.48	N/A
Total Phenolics (Phenols)	mg/L	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A
Total Suspended Solids	mg/L	N/A	33	N/A	55	N/A	39	N/A	29	N/A

2023 - 2024

ND = Not detected for all analytes in this group.

EPA Identification No.		2		2		2		2		
Description		Leachate Dam		Leachate Dam		Leachate Dam		Leachate Dam		
Monitoring frequency		Quarterly		Quarterly		Quarterly		Quarterly		
Date sample collected		21/08/2024		18/12/2024		4/03/2025				
Time		10:00 AM		10:00 AM		10:00 AM		10:00 AM		
Date data obtained		3/09/2024		15/01/2025		21/03/2025				
Date data published		18/10/2024		20/01/2025		25/03/2025				
Pollutant	Units	Pollution conc. limits	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)	Measured Conc.	Exceedance (Y/N or N/A)
Alkalinity (CaCO3)	mg/L	N/A	360	N/A	410	N/A	430	N/A		
Ammonia	mg/L	N/A	3.5	N/A	0.31	N/A	3.3	N/A		
Calcium	mg/L	N/A	80	N/A	81	N/A	67	N/A		
Chloride	mg/L	N/A	150	N/A	270	N/A	360	N/A		
EC	uS/cm	N/A	1600	N/A	1800	N/A	2100	N/A		
Fluoride	mg/L	N/A	0.31	N/A	0.4	N/A	0.4	N/A		
Iron	mg/L	N/A	1.15	N/A	460	N/A	0.034	N/A		
Magnesium	mg/L	N/A	44	N/A	51	N/A	66	N/A		
Manganese	mg/L	N/A	0.15	N/A	200	N/A	0.056	N/A		
N (total)	mg/L	N/A	18	N/A	18	N/A	24	N/A		
pH	pH	N/A	8.3	N/A	7.8	N/A	8.8	N/A		
Phosphorus	mg/L	N/A	4	N/A	5.6	N/A	2.81	N/A		
Polycyclic Aromatic Hydrocarbons (PAH)	mg/L	N/A	0.008	N/A	ND	N/A	0.008	N/A		
Potassium	mg/L	N/A	100	N/A	110	N/A	150	N/A		
Sodium	mg/L	N/A	160	N/A	180	N/A	260	N/A		
Sulfate	mg/L	N/A	150	N/A	180	N/A	180	N/A		
Total Organic Carbon	mg/L	N/A	99	N/A	130	N/A	140	N/A		
Total Petroleum Hydrocarbons	mg/L	N/A	0.67	N/A	0.9	N/A	1.405	N/A		
(Formally TPH) TRH C6 - C9	mg/L	N/A	0.025	N/A	ND	N/A	0.025	N/A		
(Formally TPH) TRH C10 - C14	mg/L	N/A	0.025	N/A	0.14	N/A	0.12	N/A		
(Formally TPH) TRH C15 - C28	mg/L	N/A	0.42	N/A	0.45	N/A	0.75	N/A		
(Formally TPH) TRH C29 - C36	mg/L	N/A	0.2	N/A	0.31	N/A	0.51	N/A		
Total Phenolics (Phenols)	mg/L	N/A	0.019	N/A	0.0025	N/A	0.019	N/A		
Total Suspended Solids	mg/L	N/A	8	N/A	110	N/A	55	N/A		

2024 - 2025

ND = Not detected for all analytes in this group.

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