

**DOLGEVILLE WWTF ANNUAL PERFORMANCE REPORT 2019**

Parameter	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Ave
Flow (mgd) Average	0.822	0.829	1.036	1.246	1.101	0.942	0.734	0.800	0.748	1.112	1.034	0.88	0.94 AVE.
Max. Daily Flow	2.09	2.13	2.1	2.96	2.81	2.00	2.35	3.27	1.46	3.99	4.12	2.3	4.12 MAX.
BOD Influent (mg/l)	80.3	75.3	73.3	43.3	58	72	78.5	85.2	92	59.6	66.3	74.8	71.55 AVE.
BOD Effluent (mg/l)	6.1	7.4	7.5	5	3.3	3	3.3	5.4	3.3	5.4	11.5	5.5	5.56 AVE.
BOD Effluent (lbs/day)	43.8	55	65.3	46.9	30.9	28.5	22.3	38.1	23.4	44.8	92	42	44.42 AVE.
Percent % Removal	92	90	90	89	94	96	96	94	96	90	83	93	91.92 AVE.
Susp. Solids Influent (mg/l)	68	85.5	66.8	43.8	85.6	102.1	122.3	156.4	134	149.8	59.5	75	95.73 AVE.
Susp. Solids Effluent (mg/l)	7.2	8.2	7.1	5.9	5.4	5	4.8	6.4	5	8.4	8.1	6.3	6.48 AVE.
SS (lbs/day)	51.8	48	58	57	51	47.6	22.3	47.5	36	72.8	64.9	48.5	50.45 AVE.
Percent % Removal	89	90	89	87	94	95	96	96	96	94	86	92	92.00 AVE.
NH3 mg/l Influent (mg/l)	5.3	4.5	5.4	1.1	42.4	5.7	7.31	6.89	5.03	2.77	5.2	5.5	8.09 AVE.
NH3 mg/l Effluent (mg/l)	0.36	0.2	0.42	0.59	0.25	0.27	0.1	0.25	0.13	0.16	4.4	5.08	1.02 AVE.
Effluent lbs/day	2.8	1.3	3.1	11.1	18.3	2.2	5.1	1.7	1.1	1.4	33.8	40	10.16 TOTAL
TKN mg/l Influent (mg/l)	16.3	12.3	12.8	8.3	9.8	13.5	10.7	16.1	12.5	9.6	12	14.2	12.34 AVE.
TKN mg/l Effluent (mg/l)	4.8	1.7	2.8	3.1	1.5	1.9	0.5	1.9	1.5	1.6	6.4	14.1	3.48 AVE.
Effluent lbs/day	33	12	20.6	31.3	18.3	15.5	2.5	13.6	12.4	14	49.2	110	27.70 TOTAL
Phosphorus Infl. Conc.	2.3	2	2.9	1.2	1.51	2.2	1.7	2.4	0.96	1.77	1.9	1.9	1.89 mg/l/ave
Phosphorus Infl. Lb/day	15.8	14.1	21.3	12.1	14.2	17.9	8.6	14.0	7.9	15.5	12.3	1.72	13.97 lb/day
Phosphorus Eff. Conc.	2.5	1.1	1.7	0.71	1.39	1.5	1.3	1.7	0.67	1.09	1.6	1.72	1.42 mg/l/ave
Phosphorus Eff. Lb/day	17.2	7.8	12.5	7.2	16.9	12.3	6.5	11.6	7.9	9.5	14.6	14	11.50 lb/day
Mercury Eff. Concentration		11.9		7.57		2.85			4.5	7.45			ngl
Quarterly													
ph Influent Min	7.1	7.2	7	7.1	7.1	7	6.9	6.8	6.8	6.7	6.9	6.7	6.94 SU
ph Influent Max	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.3	7.4	7.4	7.2	7.3	7.38 SU
ph Effluent Min	7.1	7.1	6.8	7	7	6.9	6.8	6.7	6.7	6.8	6.8	6.8	6.88 SU
ph Effluent Max	7.6	7.4	7.5	7.6	7.3	7.3	7.3	7.3	7.2	7.3	7.2	7.3	7.36 SU
Settl. Solids Infl. Max	0.5	3.5	1	2.5	5	7	4	6	7	7	4.5	20	5.67 m/l
Settl. Solids Effl. Max	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 m/l

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