PROVIDING MORE EPCOR

Gold Bar Wastewater Treatment Plant
Plant Performance Report
January-2026

		Volume of Flow (ML)								Liquid Stream Quality																																			
		Influent		Effluent						pH@25°C				TSS (mg/L)						BOD₅/cBOD₅ (mg/L)						TP (mg/L)						NH3-N (mg/L)						TKN (mg/L)				NO_2+NO_3 (mg/L)				Chloride (mg/L)				*E. coli* (Counts/100 mL)			
				Non UV Disinfected			UV Disinfected																																												
								OUTFALL 10										OUTFALL 10						OUTFALL 10										OUTFALL 10																			
																								OUTFALL 10																											
																								FEC	FE																												
DATE	Peak Flow (MLD)	INFs	RAW	OUTFALL 30	OUTFALL 20	MPW	EPEPS	FEC	FE	RAW	OUTFALL 30	OUTFALL 20	FEC	RAW	OUTFALL 30	OUTFALL 20	EPEPS	FEC	FE	RAW BOD_5	OUTFALL 30 BOD_5	OUTFALL 20 BOD_5	EPEPS BOD_5	FEC $cBOD_5$	FE $cBOD_5$	RAW	OUTFALL 30	OUTFALL 20	EPEPS	FEC	FE	RAW	OUTFALL 30	OUTFALL 20	EPEPS	FEC	FE	RAW	OUTFALL 30	OUTFALL 20	FEC	RAW	OUTFALL 30	OUTFALL 20	FEC	RAW	OUTFALL 30	OUTFALL 20	FEC	X10^6	X10^6	X10^6	FEC
Thu-01	314.8	0.0	262.8	0.0	0.0	11.7	0.0	251.1	251.1	7.60			7.65	368				4.4		306				3	3	9.1				0.20	0.20	42.5				2.31	2.31	63.4			3.4				7.8	122			144				9
Fri-02	338.4	0.0	271.2	0.0	0.0	12.1	0.0	259.1	259.1	7.56			7.68	336				4.1		333				4	4	8.6				0.21	0.21	41.0				2.79	2.79	65.0			3.9				9.9	109			122				4
Sat-03	344.0	0.0	273.6	0.0	0.0	11.6	0.0	262.0	262.0	7.51			7.59	316				4.0		315				4	4	8.8				0.22	0.22	39.8				3.14	3.14	63.7			4.5				8.7	105			121				5
Sun-04	371.3	0.0	275.4	0.0	0.0	11.6	0.0	263.8	263.8	7.56			7.64	356				4.7		290				3	3	8.2				0.19	0.19	40.9				3.19	3.19	58.1			4.8				8.9	86.2			113				6
Mon-05	360.1	0.0	282.5	0.0	0.0	11.9	0.0	270.6	270.6	7.38			7.66	364				4.4		350				4	4	8.2				0.24	0.24	39.3				3.14	3.14	61.8			4.6				7.6	107			104				6
Tue-06	351.9	0.0	276.1	0.0	0.0	12.0	0.0	264.1	264.1	7.39			7.48	312				4.9		282				3	3	8.5				0.24	0.24	41.1				2.69	2.69	58.3			4.4				7.7	116			122				3
Wed-07	345.4	0.0	276.0	0.0	0.0	12.1	0.0	263.9	263.9	7.54			7.43	340				3.7		268				3	3	8.2				0.24	0.24	34.0				2.74	2.74	58.8			4.2	0.02			7.8	128			130				5
Thu-08	339.7	0.0	275.0	0.0	0.0	11.9	0.0	263.1	263.1	7.52			7.54	340				3.8		289				3	3	8.7				0.21	0.21	41.5				2.87	2.87	62.2			4.3				8.1	132			142				4
Fri-09	337.9	0.0	275.6	0.0	0.0	11.4	0.0	264.2	264.2	7.50			7.46	308				4.1		323				3	3	8.4				0.18	0.18	42.8				3.11	3.11	62.7			4.3				8.0	125			151				6
Sat-10	360.6	0.0	276.2	0.0	0.0	12.0	0.0	264.2	264.2	7.55			7.51	272				4.1		280				3	3	8.3				0.23	0.23	42.6				3.44	3.44	58.9			4.8				8.2	167			169				6
Sun-11	409.6	0.0	282.8	0.0	0.0	11.7	0.0	271.1	271.1	7.47			7.48	352				3.7		292				3	3	8.4				0.27	0.27	40.2				3.49	3.49	60.6			4.9				8.5	143			172				6
Mon-12	418.3	0.0	310.1	0.0	0.0	11.9	0.0	298.2	298.2	7.64			7.50	176				3.1		183				3	3	6.7				0.20	0.20	36.4				3.67	3.67	48.4			5.8				7.8	363			171				7
Tue-13	414.8	0.0	325.7	0.0	0.0	11.9	0.0	313.8	313.8	7.43			7.51	312				1.6		269				3	3	7.4				0.22	0.22	35.8				3.58	3.58	51.9			4.8				7.1	366			346	2.8			6
Wed-14	426.3	0.0	308.3	0.0	0.0	11.9	0.0	296.4	296.4	7.49			7.52	296				5.3		236				3	3	7.2				0.22	0.22	39.0				3.36	3.36	52.0			5.1	<0.01			7.1	376			260				6
Thu-15	381.3	0.0	306.5	0.0	0.0	11.9	0.0	294.6	294.6	7.43			7.36	156				4.4		270				3	3	6.9				0.23	0.23	38.4				2.84	2.84	52.6			4.3				6.6	309			293				6
Fri-16	336.5	0.0	283.7	0.0	0.0	12.0	0.0	271.7	271.7	7.53			7.35	340				4.6		324				3	3	9.9				0.22	0.22	42.3				3.16	3.16	59.1			2.7				7.9	131			204				5
Sat-17	362.4	0.0	282.0	0.0	0.0	11.8	0.0	270.2	270.2	7.47			7.48	300				5.0		294				3	3	8.5				0.27	0.27	38.4				3.60	3.60	62.9			3.1				7.8	130			149				7
Sun-18	348.0	0.0	265.2	0.0	0.0	11.3	0.0	253.9	253.9	7.51			7.57	272				3.9		286				3	3	8.3				0.22	0.22	40.6				3.85	3.85	54.6			4.5				7.6	111			140				4
Mon-19	348.0	0.0	286.1	0.0	0.0	11.9	0.0	274.2	274.2	7.49			7.45	372				2.8		262				3	3	8.7				0.21	0.21	40.4				3.18	3.18	54.4			3.6				7.8	111			117				9
Tue-20	349.3	0.0	275.6	0.0	0.0	12.2	0.0	263.4	263.4	7.55			7.49	349				4.4		295				3	3	9.3				0.23	0.23	41.9				3.18	3.18	59.7			5.5				7.9	112			111				8
Wed-21	348.9	0.0	275.8	0.0	0.0	12.1	0.0	263.7	263.7	7.45			7.52	204				4.1		259				3	3	8.2				0.25	0.25	40.9				2.68	2.68	58.5			2.7	<0.01			9.6	104			112				6
Thu-22	372.6	0.0	273.7	0.0	0.0	12.3	0.0	261.4	261.4	7.49			7.51	288				4.1		297				3	3	9.2				0.27	0.27	38.7				2.42	2.42	58.5			3.1				9.9	96.2			107				5
Fri-23	386.5	0.0	276.6	0.0	0.0	11.7	0.0	264.9	264.9	7.56			7.51	288				3.2		312				3	3	8.6				0.33	0.33	37.5				1.98	1.98	54.1			2.4				9.5	90.2			95.9				5
Sat-24	360.0	0.0	271.9	0.0	0.0	11.6	0.0	260.3	260.3	7.53			7.56	276				3.0		308				3	3	9.0				0.24	0.24	37.9				2.58	2.58	61.0			1.9				10.0	102			95.9				1
Sun-25	368.2	0.0	274.6	0.0	0.0	11.8	0.0	262.8	262.8	7.53			7.63	329				4.4		326				3	3	8.3				0.23	0.23	36.1				2.76	2.76	59.3			4.5				9.9	97.5			87.7				7
Mon-26	351.1	0.0	278.4	0.0	0.0	11.3	0.0	267.1	267.1	7.47			7.56	324				3.7		295				3	3	7.5				0.20	0.20	35.1				2.33	2.33	60.4			4.0				8.3	150			88.1				15
Tue-27	340.5	0.0	268.2	0.0	0.0	11.6	0.0	256.6	256.6	7.53			7.60	376				3.8		294				2	2	8.3				0.23	0.23	36.5				1.73	1.73	58.2			3.5				8.3	107			106				4
Wed-28	359.6	0.0	270.4	0.0	0.0	11.5	0.0	258.9	258.9	7.55			7.67	344				3.3		292				3	3	8.4				0.25	0.25	36.3				1.86	1.86	61.2			3.5	<0.01			8.5	105			112				9
Thu-29	350.7	0.0	273.0	0.0	0.0	11.8	0.0	261.2	261.2	7.45			7.49	520				3.5		290				3	3	8.2				0.27	0.27	36.6				2.28	2.28	58.1			4.2				8.6	105			111				6
Fri-30	333.7	0.0	273.2	0.0	0.0	11.6	0.0	261.6	261.6	7.48			7.49	348				5.2		309				3	3	8.1				0.28	0.28	35.6				2.44	2.44	59.1			4.3				10.7	109			113				10
Sat-31	453.7	0.0	291.6	10.6	0.0	11.2	0.0	269.8	269.8	7.52	7.57		7.54	392	166			5.3		304	166			3	3	8.5	5.7			0.27	0.27	34.5	38.0			2.47	2.47	65.3	53.5		4.3		0.07		10.4	320	519		180		3.3		7
Average	**364.0**	**0.0**	**280.6**	**0.3**	**0.0**	**11.8**	**0.0**	**268.4**	**268.4**	**7.51**	**7.57**		**7.53**	**320**	**166**			**4.0**	**4.0**	**291**	**166**			**3**	**3**	**8.3**	**5.7**			**0.23**	**0.23**	**38.9**	**38.0**			**2.87**	**2.87**	**58.8**	**53.5**		**4.1**	**0.01**	**0.07**		**8.5**	**153**	**519**		**145**				
Minimum	**314.8**	**0.0**	**262.8**	**0.0**	**0.0**	**11.2**	**0.0**	**251.1**	**251.1**	**7.38**	**7.57**		**7.35**	**156**	**166**			**1.6**	**1.6**	**183**	**166**			**2**	**2**	**6.7**	**5.7**			**0.18**	**0.18**	**34.0**	**38.0**			**1.73**	**1.73**	**48.4**	**53.5**		**1.9**	**<0.01**	**0.07**		**6.6**	**86**	**519**		**88**	**2.8**	**2.8**		**1**
Maximum	**453.7**	**0.0**	**325.7**	**10.6**	**0.0**	**12.3**	**0.0**	**313.8**	**313.8**	**7.64**	**7.57**		**7.68**	**520**	**166**			**5.3**	**5.3**	**350**	**166**			**4**	**4**	**9.9**	**5.7**			**0.33**	**0.33**	**42.8**	**38.0**			**3.85**	**3.85**	**65.3**	**53.5**		**5.8**	**0.02**	**0.07**		**10.7**	**376**	**519**		**346**	**2.8**	**4.0**		**15**
GeoMean																																																		**2.8**	**3.4**		**6**
Total		**0**	**8698**	**11**	**0**	**365**	**0**	**8322**	**8322**																																												

Digested SludgeTotal Monthly Volume (ML):	66.6

Enhanced Primary Treatment (EPT) Usage		
Total Bypass (hr)	EPT Usage (hr)	% Usage

AEP Comments	
Reference #	Comments

Report Comments			
Collection Date	Location	Test	Comment
1/20/2026	OUTFALL10	CO_FE_MF	Recommended incubation time for analyte was exceeded by 1.5 hours.

RAW	Untreated Influent into the plant	OUTFALL 10	UV-disinfected, discharged via OUTFALL 10
INF	Untreated wastewater from collection system	OUTFALL 20	Combined Bypass (RAW + PE + EPE)
INFs	Influent, screened at the Headworks Diversion Structure	OUTFALL 30	Combined Bypass (INF + INFS + PE30 + EPE)
PE	Primary Effluent from conventional primaries	MPW	Membrane Product Water (Effluent re-use water)
PE 30	Primary Effluent from conventional primaries discharged via Outfall 30	ML	Megalitre (1,000,000 Litre)
EPT	Enhanced Primary Treatment	MPN	Most Probable Number
EPE	Enhanced Primary Effluent	NR	No Result
EPEPS	Enhanced Primary Effluent Pump Station	NS	No Sample
FE	Final Effluent from secondary treatment process (with biological nutrient removal). Pre-Ultraviolet disinfection.	INS	Insufficient Sample
FEC	Combined post-UV disinfection (FE+EPEPS)	AEP	Alberta Environment & Parks
	Indicates the displayed result is an average or geomean of more than one sample on that day.		

* Contact Laboratory for information about the quality assurance associated with the results

Averages and geometric means may be calculated using only the numeric component of censored values.

Jamie Gingrich **P.Eng.**
Senior Manager, WWTP Operations

Paul Jacquier **MBA, BMSc.**
Senior Manager, Analytical Operations

Report finalized by Ayesha Prasad Feb 25, 2026 13:40