

KALEDEN IRRIGATION DISTRICT											Oct-20			
MONTHLY WATER QUALITY REPORT														
											<u>Pumphouse</u>			
CL2 RESIDUAL TESTING											237			
		02-Oct-20		09-Oct-20		16-Oct-20		23-Oct-20		30-Oct-20		CHLORINE USAGE (KG)		107.5
LOCATION		FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	AVG CL2 RESIDUAL AT SOURCE		0.73
District Office		0.28	0.37	0.30	0.42	0.29	0.37	0.22	0.35	0.18	0.25			
621 Linden Ave		0.51	0.66	0.63	0.77	0.58	0.69	0.42	0.57	0.36	0.52	TURBIDITY (MIN.) NTU		0.07
334 Lakehill (Post)		0.62	0.75	0.66	0.79	0.59	0.69	0.61	0.66	0.68	0.72	TURBIDITY (MAX.) NTU		0.15
100 Ash Ave		0.45	0.59	0.39	0.45	0.41	0.57	0.25	0.31	0.19	0.27	TURBIDITY (AVG.) NTU		0.11
Pumphouse (Free)		0.72		0.68		0.48		0.75		0.68				
No MAC for Chlorine as per the <i>Guidelines for Canadian Drinking Water Quality</i> or <i>BC Source Drinking Water Quality Guideline</i> . GCDWQ Recommends 0.04 mg/L to 2.00 mg/L											CONSUMPTION (US GAL)		22,120,600	
											PRIOR YEAR CONSUMPTION		14,599,100	
											DIFFERENCE		7,521,500	
LOCATION		02-Oct-20		09-Oct-20		16-Oct-20		23-Oct-20		30-Oct-20		<u>System</u>		
		NTU		NTU		NTU		NTU		NTU		CL2 Residual Free (min)		0.18
District Office		0.54		0.58		0.42		0.45		0.49		CL2 Residual Free (max)		0.68
621 Linden Ave		0.75		0.72		0.74		0.62		0.65		CL2 Residual Free (AVG)		0.43
334 Lakehill (Post)		0.65		0.75		0.69		0.59		0.67				
100 Ash Ave		0.77		0.66		0.72		0.65		0.62				
Pumphouse		0.11		0.10		0.13		0.10		0.08		TURBIDITY (MIN.) NTU		0.42
GCDWQ recommends 1 NTU entering a system. <i>BC Source Drinking Water Quality Guidelines</i> states a change of 1 NTU when less than 5 NTU and less than 5 NTU in a system.											TURBIDITY (MAX.) NTU		0.77	
											TURBIDITY (AVG.) NTU		0.64	
COLIFORM TESTING														
Location		Date		FREE CL2	NTU	E.COLI	TOT.COLIFORM							
334 Lakehill Store/Post		08-Oct-20		0.71	0.48	<1	<1							
100 Ash Ave.		14-Oct-20		0.36	0.45	<1	<1							
621 Linden Ave.		22-Oct-20		0.22	0.64	<1	<1							
119 Ponderosa Ave. P/H		29-Oct-20		0.91	0.1	<1	<1							
COLIFORM TESTING GOAL: to meet <i>BC Drinking Water Protection Regulations</i> of MAC <1 (1 CFU/100 ML)														
PREPARED BY:		CEH												