

KALEDEN IRRIGATION DISTRICT											Dec-21			
MONTHLY WATER QUALITY REPORT														
											<u>Pumphouse</u>			
CL2 RESIDUAL TESTING											64			
		02-Dec-21		08-Dec-21		15-Dec-21		20-Dec-21		27-Dec-21		CHLORINE USAGE (KG)		29.0
LOCATION		FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	AVG CL2 RESIDUAL AT SOURCE		1.06
District Office		0.21	0.27	0.22	0.28	0.21	0.26	0.22	0.27	0.20	0.26			
621 Linden Ave		0.34	0.39	0.57	0.94	0.41	0.58	0.34	0.47			TURBIDITY (MIN.) NTU		0.07
334 Lakehill (Post)		0.34	0.44	0.43	0.72	2.20	2.20	0.40	0.51			TURBIDITY (MAX.) NTU		0.12
100 Ash Ave		0.49	0.56	0.25	0.34	0.24	0.30	0.32	0.57			TURBIDITY (AVG.) NTU		0.08
Pumphouse (Free)		0.45		0.86		1.95		0.79						
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)		4,925,900	
											PRIOR YEAR CONSUMPTION		5,161,100	
											DIFFERENCE		-235,200	
		02-Dec-21		08-Dec-21		15-Dec-21		20-Dec-21		27-Dec-21		<u>System</u>		
LOCATION		NTU		NTU		NTU		NTU		NTU		CL2 Residual Free (min)		0.20
District Office		0.72		0.72		0.69		0.76		0.77		CL2 Residual Free (max)		2.20
621 Linden Ave		0.94		0.81		0.83		0.77				CL2 Residual Free (AVG)		0.43
334 Lakehill (Post)		0.82		0.86		0.71		0.70						
100 Ash Ave		0.68		0.73		0.69		0.63						
Pumphouse		0.08		0.07		0.09		0.07				TURBIDITY (MIN.) NTU		0.63
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		0.94	
											TURBIDITY (AVG.) NTU		0.75	
COLIFORM TESTING														
Location		Date		FREE CL2	NTU	E.COLI	TOT.COLIFORM					TRIHALOMETHANE / HAA TESTS & COMPREHENSIVE DONE ON 12/02/21		
119 Ponderosa P/H		02-Dec-21		0.71	0.6	<1	<1							
334 Lakehill (Store/Post)		08-Dec-21		0.43	0.86	<1	<1							
621 Linden		15-Dec-21		0.41	0.83	<1	<1							
119 Ponderosa P/H		20-Dec-21		0.37	0.69	<1	<1							
119 Ponderosa Office		27-Dec-21		0.20	0.77	-	-					ACE COURIER CLOSED- NOT SHIPPED		
COLIFORM TESTING GOAL: to meet <i>BC Drinking Water Protection Regulations</i> of MAC <1 (1 CFU/100 ML)														
PREPARED BY:		CEH												