

KALEDEN IRRIGATION DISTRICT											Sep-21			
MONTHLY WATER QUALITY REPORT														
											<u>Pumphouse</u>			
CL2 RESIDUAL TESTING											351.5			
		01-Sep-21		13-Sep-21		16-Sep-21		22-Sep-21		29-Sep-21		CHLORINE USAGE (KG)		159.4
LOCATION		FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	AVG CL2 RESIDUAL AT SOURCE		1.06
District Office		0.24	0.34	0.30	0.33	0.29	0.32	0.27	0.30	0.21	0.29			
621 Linden Ave		0.38	0.44	0.30	0.36	0.66	0.73	0.32	0.38	0.32	0.40	TURBIDITY (MIN.) NTU		0.09
334 Lakehill (Post)		0.25	0.29	0.88	1.05	0.64	0.71	0.56	0.60	0.31	0.39	TURBIDITY (MAX.) NTU		0.15
100 Ash Ave		0.47	0.57	0.47	0.52	0.57	0.63	0.32	0.36	0.32	0.41	TURBIDITY (AVG.) NTU		0.12
Pumphouse (Free)		1.32		0.88		0.98		1.34		1.42				
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)		37,852,700	
											PRIOR YEAR CONSUMPTION		48,051,200	
											DIFFERENCE		-10,198,500	
		01-Sep-21		13-Sep-21		16-Sep-21		22-Sep-21		29-Sep-21		System		
LOCATION		NTU		NTU		NTU		NTU		NTU		CL2 Residual Free (min)		0.21
District Office		0.83		0.76		0.83		0.83		0.77		CL2 Residual Free (max)		0.88
621 Linden Ave		0.73		0.75		0.82		0.71		0.79		CL2 Residual Free (AVG)		0.40
334 Lakehill (Post)		0.85		0.81		0.81		0.79		0.80				
100 Ash Ave		0.79		0.78		0.81		0.82		0.74				
Pumphouse		0.12		0.10		0.13		0.13		0.11		TURBIDITY (MIN.) NTU		0.71
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		0.85	
											TURBIDITY (AVG.) NTU		0.79	
COLIFORM TESTING														
Location		Date		FREE CL2		NTU		E.COLI		TOT.COLIFORM				
621 LINDEN AVE.		01-Sep-21		0.24		0.77		<1		<1				
119 PONDEROSA P/H		08-Sep-21		0.45		0.84		<1		<1				
119 PONDEROSA OFFICE		16-Sep-21		0.55		1.02		<1		<1				
100 ASH AVE.		22-Sep-21		0.59		0.75		<1		<1				
260 UPPER CYPRESS		29-Sep-21		0.36		0.85		<1		<1				
COLIFORM TESTING GOAL: to meet BC Drinking Water Protection Regulations of MAC <1 (1 CFU/100 ML)														
PREPARED BY:		CEH												