

KALEDEN IRRIGATION DISTRICT											Aug-21		
MONTHLY WATER QUALITY REPORT													
											<u>Pumphouse</u>		
CL2 RESIDUAL TESTING											492.5		
		05-Aug-21		11-Aug-21		18-Aug-21		25-Aug-21				CHLORINE USAGE (KG)	223.4
LOCATION	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL		AVG CL2 RESIDUAL AT SOURCE	1.15
District Office	0.24	0.27	0.28	0.32	0.28	0.33	0.29	0.32					
621 Linden Ave	0.47	0.53	0.48	0.54	0.37	0.64	0.27	0.33				TURBIDITY (MIN.) NTU	0.11
334 Lakehill (Post)	0.61	0.70	0.58	0.64	0.61	0.68	0.59	0.71				TURBIDITY (MAX.) NTU	0.17
100 Ash Ave	0.47	0.56	0.45	0.51	0.41	0.53	0.23	0.27				TURBIDITY (AVG.) NTU	0.13
Pumphouse (Free)	1.26		1.26		1.35		1.30						
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)	59,399,100	
											PRIOR YEAR CONSUMPTION	67,920,100	
											DIFFERENCE	-8,521,000	
		05-Aug-21		11-Aug-21		18-Aug-21		25-Aug-21				System	
LOCATION	NTU		NTU		NTU		NTU		NTU			CL2 Residual Free (min)	0.23
District Office	0.77		0.78		0.75		0.72					CL2 Residual Free (max)	0.61
621 Linden Ave	0.84		0.78		0.71		0.67					CL2 Residual Free (AVG)	0.41
334 Lakehill (Post)	0.82		0.85		0.73		0.75						
100 Ash Ave	0.84		0.84		0.77		0.77						
Pumphouse	0.14		0.14		0.14		0.14					TURBIDITY (MIN.) NTU	0.67
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	0.77	
COLIFORM TESTING													
Location		Date		FREE CL2		NTU		E.COLI		TOT.COLIFORM			
119 PONDEROSA OFFICE		04-Aug-21		0.24		0.77		<1		1			
100 ASH AVE		11-Aug-21		0.45		0.84		<1		<1			
260 UPPER CYPRESS		18-Aug-21		0.55		1.02		<1		2		FLUSHED & RESAMPLED 08/25/21	
334 LAKEHILL STORE/POST		25-Aug-21		0.59		0.75		<1		<1			
260 UPPER CYPRESS		25-Aug-21		0.36		0.85		<1		<1		ALSO DID THM'S/ HAA'S 08/25/21	
COLIFORM TESTING GOAL: to meet BC Drinking Water Protection Regulations of MAC <1 (1 CFU/100 ML)													
PREPARED BY:											CEH		