

KALEDEN IRRIGATION DISTRICT											Jul-21			
MONTHLY WATER QUALITY REPORT														
											<u>Pumphouse</u>			
CL2 RESIDUAL TESTING											701			
		07-Jul-21		14-Jul-21		21-Jul-21		28-Jul-21				CHLORINE USAGE (KG)	317.9	
LOCATION		FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	AVG CL2 RESIDUAL AT SOURCE		1.09
District Office		0.31	0.38	0.56	0.67	0.29	0.37	0.42	0.54					
621 Linden Ave		0.27	0.29	0.52	0.62	0.54	0.59	0.44	0.47			TURBIDITY (MIN.) NTU		0.12
334 Lakehill (Post)		0.71	0.84	0.76	0.79	0.73	0.84	0.55	0.65			TURBIDITY (MAX.) NTU		0.23
100 Ash Ave		0.61	0.75	0.59	0.77	0.54	0.68	0.47	0.55			TURBIDITY (AVG.) NTU		0.18
Pumphouse (Free)		1.1		1.16		0.91		1.34						
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)		81,285,700	
											PRIOR YEAR CONSUMPTION		62,555,400	
											DIFFERENCE		18,730,300	
LOCATION		07-Jul-21		14-Jul-21		21-Jul-21		28-Jul-21				<u>System</u>		
		NTU		NTU		NTU		NTU		NTU		CL2 Residual Free (min)		0.27
District Office		0.55		0.65		0.64		0.70				CL2 Residual Free (max)		0.76
621 Linden Ave		0.63		0.63		0.57		0.88				CL2 Residual Free (AVG)		0.52
334 Lakehill (Post)		0.58		0.67		0.59		0.79						
100 Ash Ave		0.61		0.65		1.07		0.78						
Pumphouse		0.20		0.18		0.17		0.15				TURBIDITY (MIN.) NTU		0.55
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		1.07	
											TURBIDITY (AVG.) NTU		0.69	
COLIFORM TESTING														
Location		Date		FREE CL2		NTU		E.COLI		TOT.COLIFORM				
100 ASH AVE.		05-Jul-21		0.61		0.64		<1		1		FLUSHED AREA		
260 UPPER CYPRESS		07-Jul-21		0.21		0.58		<1		<1				
334 LAKEHILL STORE/POST		14-Jul-21		0.76		0.67		<1		<1				
621 LINDEN AVE.		21-Jul-21		0.54		0.88		<1		<1				
119 PONDEROSA P/H		28-Jul-21		0.79		0.88		<1		1		RESAMPLED		
COLIFORM TESTING GOAL: to meet <i>BC Drinking Water Protection Regulations</i> of MAC <1 (1 CFU/100 ML)														
PREPARED BY:		CEH												