

KALEDEN IRRIGATION DISTRICT										Feb-21		
MONTHLY WATER QUALITY REPORT												
										<u>Pumphouse</u>		
CL2 RESIDUAL TESTING										72.8		
		04-Feb-21		10-Feb-21		18-Feb-21		24-Feb-21		CHLORINE USAGE (KG)		33.0
LOCATION	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL			AVG CL2 RESIDUAL AT SOURCE	0.61
District Office	0.31	0.44	0.33	0.47	0.40	0.60	0.32	0.57				
621 Linden Ave	0.58	0.71	0.66	0.80	0.61	0.78	0.41	0.45			TURBIDITY (MIN.) NTU	0.12
334 Lakehill (Post)	0.71	0.82	0.61	0.68	0.72	0.85	0.84	1.00			TURBIDITY (MAX.) NTU	0.30
100 Ash Ave	0.34	0.54	0.41	0.65	0.50	0.62	0.30	0.51			TURBIDITY (AVG.) NTU	0.18
Pumphouse (Free)	0.49		0.49		0.40		0.45					
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)		5,145,700
										PRIOR YEAR CONSUMPTION		2,999,000
										DIFFERENCE		2,146,700
		04-Feb-21		10-Feb-21		18-Feb-21		24-Feb-21		System		
LOCATION	NTU		NTU		NTU		NTU					
District Office	0.46		0.46		0.44		0.47				CL2 Residual Free (min)	0.30
621 Linden Ave	0.51		0.47		0.54		0.43				CL2 Residual Free (max)	0.84
334 Lakehill (Post)	0.42		0.46		0.47		0.45				CL2 Residual Free (AVG)	0.50
100 Ash Ave	0.53		0.47		0.43		0.45					
Pumphouse	0.13		0.18		0.16		0.15				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		0.54
										TURBIDITY (AVG.) NTU		0.47
COLIFORM TESTING												
Location		Date		FREE CL2		NTU		E.COLI		TOT.COLIFORM		
334 LAKEHILL RD		04-Feb-21		0.68		0.34		<1		<1		
621 LINDEN AVE.		10-Feb-21		0.66		0.47		<1		<1		Background colonies >200
621 LINDEN AVE.		18-Feb-21		0.61		0.45		<1		<1		
119 PONDEROSA OFFICE		18-Feb-21		0.4		0.44		<1		<1		
100 ASH AVE.		24-Feb-21		0.3		0.45		<1		<1		THM / HAA TESTS ALSO
COLIFORM TESTING GOAL: to meet BC Drinking Water Protection Regulations of MAC <1 (1 CFU/100 ML)												
PREPARED BY:										CEH		