

KALEDEN IRRIGATION DISTRICT											Sep-20	
MONTHLY WATER QUALITY REPORT												
CL2 RESIDUAL TESTING											<u>Pumphouse</u>	
											CHLORINE USAGE (KG)	207.0
											AVG CL2 RESIDUAL AT SOURCE	0.83
	04-Sep-20		11-Sep-20		18-Sep-20		25-Sep-20					
LOCATION	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL		
District Office	0.37	0.49	0.30	0.39	0.39	0.46	0.31	0.45				
621 Linden Ave	0.59	0.72	0.57	0.70	0.61	0.73	0.56	0.67				TURBIDITY (MIN.) NTU
334 Lakehill (Post)	0.73	0.84	0.68	0.75	0.72	0.80	0.68	0.77				TURBIDITY (MAX.) NTU
100 Ash Ave	0.61	0.72	0.55	0.69	0.56	0.66	0.52	0.68				TURBIDITY (AVG.) NTU
Pumphouse (Free)	0.96		1.17		1.15		0.89					
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)	48,051,200
											PRIOR YEAR CONSUMPTION	30,585,400
											DIFFERENCE	17,465,800
LOCATION	04-Sep-20		11-Sep-20		18-Sep-20		25-Sep-20				<u>System</u>	
	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU	NTU		
District Office	0.52		0.43		0.37		0.49					CL2 Residual Free (min)
621 Linden Ave	0.58		0.65		0.58		0.69					CL2 Residual Free (max)
334 Lakehill (Post)	0.69		0.56		0.49		0.70					CL2 Residual Free (AVG)
100 Ash Ave	0.68		0.71		0.65		0.61					
Pumphouse	0.13		0.16		0.15		0.13					TURBIDITY (MIN.) NTU
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	0.71
											TURBIDITY (AVG.) NTU	0.59
COLIFORM TESTING												
Location	Date	FREE CL2	NTU	E.COLI	TOT.COLIFORM							
260 Cypress Ave.	03-Sep-20	0.21	0.79	<1	26							
260 Cypress Ave.	10-Sep-20	0.27	0.61	<1	>=1							
119 Ponderosa P/H	15-Sep-20	0.73	0.14	<1	<1							
260 Cypress Ave.	15-Sep-20	0.34	0.72	<1	<1							
119 Ponderosa Office	24-Sep-20	0.21	0.48	<1	<1							
344 Lakehill Store/Post	29-Sep-20											results not yet avail
COLIFORM TESTING GOAL: to meet BC Drinking Water Protection Regulations of MAC <1 (1 CFU/100 ML)												
PREPARED BY:	CEH											