

KALEDEN IRRIGATION DISTRICT											Aug-20	
MONTHLY WATER QUALITY REPORT												
CL2 RESIDUAL TESTING											<u>Pumphouse</u>	
	31-Jul-20		06-Aug-20		14-Aug-20		21-Aug-20		28-Aug-20		CHLORINE USAGE (KG)	581.0
LOCATION	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	FREE	TOTAL	AVG CL2 RESIDUAL AT SOURCE	0.94
District Office	0.24	0.40	0.44	0.57	0.31	0.48	0.29	0.37	0.35	0.49		
621 Linden Ave	0.25	0.32	0.55	0.69	0.56	0.73	0.49	0.62	0.52	0.68	TURBIDITY ( MIN.) NTU	0.10
334 Lakehill (Post)	0.63	0.85	0.80	0.95	0.72	0.94	0.70	0.83	0.75	0.88	TURBIDITY ( MAX.) NTU	0.18
100 Ash Ave	0.60	0.73	0.35	0.42	0.62	0.82	0.59	0.74	0.62	0.79	TURBIDITY ( AVG. ) NTU	0.14
Pumphouse (Free)	1.02		0.71		1.09		1.02		1.11			
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)	67,920,100
											PRIOR YEAR CONSUMPTION	58,874,600
											DIFFERENCE	9,045,500
	31-Jul-20	06-Aug-20	14-Aug-20	21-Aug-20	28-Aug-20	<u>System</u>						
LOCATION	NTU	NTU	NTU	NTU	NTU							
District Office	0.73	0.60	0.58	0.61	0.59	CL2 Residual Free (min)						0.24
621 Linden Ave	0.59	0.45	1.32	0.59	0.61	CL2 Residual Free (max)						0.80
334 Lakehill (Post)	0.70	0.72	0.74	0.81	0.78	CL2 Residual Free (AVG)						0.52
100 Ash Ave	0.53	0.61	0.62	0.64	0.63							
Pumphouse	0.13	0.15	0.17	0.12	0.18	TURBIDITY ( MIN.) NTU						0.45
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	1.32
											TURBIDITY ( AVG. ) NTU	0.67
COLIFORM TESTING												
Location	Date	FREE CL2	NTU	E.COLI	TOT.COLIFORM							
119 Ponderosa Ave.	29-Jul-20	0.89	0.15	<1	<1							
119 Ponderosa Ave.	05-Aug-20	0.43	0.51	<1	<1							
334 Lakehill Rd.	12-Aug-20	0.80	0.45	<1	<1							
100 Ash Ave.	20-Aug-20	0.64	0.4	<1	<1							
621 linden Ave.	27-Aug-20	0.36	0.42	<1	<1							
COLIFORM TESTING GOAL: to meet <i>BC Drinking Water Protection Regulations</i> of MAC <1 ( 1 CFU/100 ML)												
PREPARED BY:	CEH											