

KALEDEN IRRIGATION DISTRICT											Apr-21			
MONTHLY WATER QUALITY REPORT														
											<u>Pumphouse</u>			
<b>CL2 RESIDUAL TESTING</b>											263.5			
		<b>07-Apr-21</b>		<b>14-Apr-21</b>		<b>21-Apr-21</b>		<b>29-Apr-21</b>				<b>CHLORINE USAGE (KG)</b>	119.5	
<b>LOCATION</b>	<b>FREE</b>	<b>TOTAL</b>	<b>FREE</b>	<b>TOTAL</b>	<b>FREE</b>	<b>TOTAL</b>	<b>FREE</b>	<b>TOTAL</b>	<b>FREE</b>	<b>TOTAL</b>		<b>AVG CL2 RESIDUAL AT SOURCE</b>	0.71	
District Office	0.40	0.57	0.60	0.77	0.56	0.69	0.56	0.70						
621 Linden Ave	1.15	1.30	0.84	1.00	0.35	0.41	0.53	0.62				<b>TURBIDITY ( MIN.) NTU</b>	0.14	
334 Lakehill (Post)	1.05	1.21	0.98	1.16	1.09	1.13	0.94	1.14				<b>TURBIDITY ( MAX.) NTU</b>	0.30	
100 Ash Ave	0.83	0.94	0.65	0.74	0.80	0.90	0.64	0.73				<b>TURBIDITY ( AVG. ) NTU</b>	0.21	
Pumphouse (Free)	0.88		0.85		0.72		0.79							
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											<b>CONSUMPTION ( US GAL)</b>	19,006,800		
											<b>PRIOR YEAR CONSUMPTION</b>	18,170,500		
											<b>DIFFERENCE</b>	836,300		
		<b>07-Apr-21</b>		<b>14-Apr-21</b>		<b>21-Apr-21</b>		<b>29-Apr-21</b>		<b>31-Mar-21</b>				
<b>LOCATION</b>	<b>NTU</b>		<b>NTU</b>		<b>NTU</b>		<b>NTU</b>		<b>NTU</b>				<b>System</b>	
District Office	0.49		0.64		0.59		0.58						<b>CL2 Residual Free (min)</b>	0.35
621 Linden Ave	0.51		1.09		0.71		0.54						<b>CL2 Residual Free (max)</b>	1.15
334 Lakehill (Post)	0.49		0.61		0.77		0.56						<b>CL2 Residual Free (AVG)</b>	0.75
100 Ash Ave	0.47		0.58		0.65		0.64							
Pumphouse	0.20		0.15		0.22		0.24						<b>TURBIDITY ( MIN.) NTU</b>	0.47
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.											<b>TURBIDITY ( MAX.) NTU</b>	1.09		
											<b>TURBIDITY ( AVG. ) NTU</b>	0.62		
<b>COLIFORM TESTING</b>														
<b>Location</b>		<b>Date</b>		<b>FREE CL2</b>		<b>NTU</b>		<b>E.COLI</b>		<b>TOT.COLIFORM</b>				
100 ASH AVE.		07-Apr-21		0.83		0.47		<1		<1				
260 UPPER CYPRESS		14-Apr-21		0.76		0.61		<1		<1				
334 LAKEHILL STORE/POST		21-Apr-21		1.09		0.77		<1		<1				
621 LINDEN AVE.		28-Apr-21		0.53		0.54		<1		<1				
<b>COLIFORM TESTING GOAL: to meet BC Drinking Water Protection Regulations of MAC &lt;1 ( 1 CFU/100 ML)</b>														
PREPARED BY:											CEH			