

KALEDEN IRRIGATION DISTRICT											May-21		
MONTHLY WATER QUALITY REPORT													
											<u>Pumphouse</u>		
<b>CL2 RESIDUAL TESTING</b>											639.5		
		<b>01-May-21</b>		<b>12-May-21</b>		<b>19-May-21</b>		<b>26-May-21</b>				<b>CHLORINE USAGE (KG)</b>	290.0
<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>	0.78
District Office	0.46	0.68	0.68	0.83	0.44	0.57	0.42	0.61					
621 Linden Ave	0.76	0.85	0.90	1.01	0.79	1.01	0.52	0.63				<b>TURBIDITY ( MIN.) NTU</b>	0.14
334 Lakehill (Post)	0.98	1.14	1.13	1.26	1.04	1.12	0.50	0.60				<b>TURBIDITY ( MAX.) NTU</b>	0.25
100 Ash Ave	0.78	0.95	0.77	0.91	0.99	1.13	0.84	1.03				<b>TURBIDITY ( AVG. ) NTU</b>	0.20
Pumphouse (Free)	0.71		0.61		0.82		0.72						
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>	51,095,600	
											<b>PRIOR YEAR CONSUMPTION</b>	41,700,500	
											<b>DIFFERENCE</b>	9,395,100	
		<b>01-May-21</b>		<b>12-May-21</b>		<b>19-May-21</b>		<b>26-May-21</b>				<b>System</b>	
<b>LOCATION</b>	<b>NTU</b>		<b>NTU</b>		<b>NTU</b>		<b>NTU</b>		<b>NTU</b>			<b>CL2 Residual Free (min)</b>	0.42
District Office	0.55		0.59		0.59		0.71					<b>CL2 Residual Free (max)</b>	1.13
621 Linden Ave	0.59		0.59		0.70		0.57					<b>CL2 Residual Free (AVG)</b>	0.75
334 Lakehill (Post)	0.50		0.59		0.53		0.63						
100 Ash Ave	0.59		0.57		0.60		0.63						
Pumphouse	0.25		0.18		0.22		0.20					<b>TURBIDITY ( MIN.) NTU</b>	0.5
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>	0.71	
											<b>TURBIDITY ( AVG. ) NTU</b>	0.60	
<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>			
119 PONDEROSA P/H		05-May-21		1.02		0.68		<1		<1			
119 PONDEROSA OFFICE		12-May-21		0.68		0.59		<1		<1			
100 ASH AVE.		19-May-21		0.99		0.60		<1		<1		THM / HAA TESTED 05/12/21 ASH & LINDEN	
260 UPPER CYPRESS		26-May-21		0.5		0.65		<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		