

KALEDEN IRRIGATION DISTRICT											Oct-21		
MONTHLY WATER QUALITY REPORT													
											<u>Pumphouse</u>		
<b>CL2 RESIDUAL TESTING</b>											208.5		
		<b>06-Oct-21</b>		<b>13-Oct-21</b>		<b>20-Oct-21</b>		<b>28-Oct-21</b>				<b>CHLORINE USAGE (KG)</b>	94.6
<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>	0.90
District Office	0.20	0.25	0.57	0.72	0.23	0.27	0.17	0.25					
621 Linden Ave	0.30	0.38	0.52	0.61	0.23	0.29	0.23	0.29				<b>TURBIDITY ( MIN.) NTU</b>	0.07
334 Lakehill (Post)	0.61	0.76	0.60	0.76	1.00	1.13	1.31	1.55				<b>TURBIDITY ( MAX.) NTU</b>	0.14
100 Ash Ave	0.46	0.59	0.29	0.37	0.28	0.30	0.23	0.27				<b>TURBIDITY ( AVG. ) NTU</b>	0.10
Pumphouse (Free)	1.04		0.81		1.70		2.31						
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>	19,725,600	
											<b>PRIOR YEAR CONSUMPTION</b>	22,120,600	
											<b>DIFFERENCE</b>	-2,395,000	
		<b>06-Oct-21</b>		<b>13-Oct-21</b>		<b>20-Oct-21</b>		<b>28-Oct-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>	0.17
District Office	0.80		0.75		0.72		0.75					<b>CL2 Residual Free (max)</b>	1.31
621 Linden Ave	0.74		0.73		0.72		0.76					<b>CL2 Residual Free (AVG)</b>	0.45
334 Lakehill (Post)	0.84		0.76		0.70		0.73						
100 Ash Ave	0.80		0.78		0.73		0.68						
Pumphouse	0.12		0.10		0.10		0.10					<b>TURBIDITY ( MIN.) NTU</b>	0.68
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>	0.84	
											<b>TURBIDITY ( AVG. ) NTU</b>	0.75	
<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>			
334 Lakehill (Post)		06-Oct-21		0.61		0.83		<1		<1			
621 Linden Ave.		13-Oct-21		0.52		0.73		<1		<1			
119 PONDEROSA P/HSE		20-Oct-21		0.50		0.63		<1		<1			
110 PONDEROSA OFFICE		28-Oct-21		0.17		0.75		<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		