KALEDEN IRRIGATION DISTRICT

MONTHLY WATER QUALITY REPORT

Apr-20

CL2 RESIDUAL TESTING

	3-Apr-20		10-Apr-20		17-Apr-20		24-Apr-20			
LOCATION	**FREE**	**TOTAL**	**FREE**	**TOTAL**	**FREE**	**TOTAL**	**FREE**	**TOTAL**	**FREE**	**TOTAL**
District Office	0.4	0.46	0.29	0.34	0.41	0.52	0.35	0.42		
621 Linden Ave	0.61	0.67	0.59	0.67	0.64	0.72	0.52	0.59		
334 Lakehill (Post)	0.74	0.85	0.78	0.84	0.82	0.96	0.78	0.86		
100 Ash Ave	0.52	0.61	0.41	0.49	0.58	0.63	0.43	0.54		
Pumphouse (Free)	0.45		0.64		0.55		0.74			

No MAC for Chlorine as per the *Guidelines for Canadian Drinking Water Quality or BC Source Drinking Water Quality Guideline. GCDWQ* Recommends 0.04 mg/L to 2.00 mg/L

TURBIDITY TESTING

	3-Apr-20	10-Apr-20	17-Apr-20	24-Apr-20
LOCATION	**NTU**	**NTU**	**NTU**	**NTU**
District Office	0.42	0.38	0.58	0.49
621 Linden Ave	0.7	0.98	1.12	0.98
334 Lakehill (Post)	0.56	0.44	0.67	0.61
100 Ash Ave	0.63	0.78	1.28	1.34
Pumphouse	0.16	0.16	0.2	0.16

GCDWQ reccommentds 1 NTU entering a system. *BC Source Drinking Water Quality Guidelines* states a change of 1 NTU when less than 5 NTU and less than 5 NTU in a system.

COLIFORM TESTING

Location	Date	FREE CL2	NTU	E.COLI	TOT.COLIFORM
119 Ponderosa Ave. (PH)	2-Apr-20	0.45	0.11	<1	<1
119 Ponderosa Ave. (Office)	8-Apr-20	0.31	0.38	<1	<1
334 Lakehill Road.	16-Apr-20	0.62	0.73	<1	<1
100 Ash Ave.	23-Apr-20	0.56	0.49	<1	<1
621 Linden Ave.	29-Apr-20	0.45	1.22	<1	<1

COLIFORM TESTING GOAL: to meet *BC Drinking Water Protection Regulations* of MAC <1 (1 CFU/100 ML)

PREPARED BY: TD

Pumphouse	
CHLORINE USAGE (KG)	116.0
AVG CL2 RESIDUAL AT SOURCE	0.59
TURBIDITY (MIN.) NTU	0.10
TURBIDITY (MAX.) NTU	0.28
TURBIDITY (AVG.) NTU	0.14
CONSUMPTION (US GAL)	18,170,500
PRIOR YEAR CONSUMPTION	11,878,000
DIFFERENCE	6,292,500

System	
CL2 Residual Free (min)	0.29
CL2 Residual Free (max)	0.82
CL2 Residual Free (AVG)	0.55
TURBIDITY (MIN.) NTU	0.38
TURBIDITY (MAX.) NTU	1.34
TURBIDITY (AVG.) NTU	0.75