

| KALEDEN IRRIGATION DISTRICT   |  |           |       |           |       |           |              |                          |       |           | Mar-21                 |                            |           |      |
|---|--|-----------|-------|-----------|-------|-----------|--------------|--------------------------|-------|-----------|------------------------|----------------------------|-----------|------|
| MONTHLY WATER QUALITY REPORT  |  |           |       |           |       |           |              |                          |       |           |                        |                            |           |      |
|   |  |           |       |           |       |           |              |                          |       |           | <u>Pumphouse</u>       |                            |           |      |
| CL2 RESIDUAL TESTING  |  |           |       |           |       |           |              |                          |       |           | 92                     |                            |           |      |
|   |  | 04-Mar-21 |       | 10-Mar-21 |       | 17-Mar-21 |              | 24-Mar-21                |       | 31-Mar-21 |                        | CHLORINE USAGE (KG)        |           | 41.7 |
| LOCATION  |  | FREE      | TOTAL | FREE      | TOTAL | FREE      | TOTAL        | FREE                     | TOTAL | FREE      | TOTAL                  | AVG CL2 RESIDUAL AT SOURCE |           | 0.71 |
| District Office   |  | 0.46      | 0.58  | 0.47      | 0.63  | 0.50      | 0.70         | 0.41                     | 0.59  | 0.39      | 0.52                   |                            |           |      |
| 621 Linden Ave  |  | 0.66      | 0.86  | 0.41      | 0.58  | 0.36      | 0.52         | 0.50                     | 0.60  | 0.57      | 0.76                   | TURBIDITY ( MIN.) NTU      |           | 0.15 |
| 334 Lakehill (Post)   |  | 0.67      | 0.89  | 1.19      | 1.34  | 0.87      | 0.93         | 0.61                     | 0.80  | 1.06      | 1.24                   | TURBIDITY ( MAX.) NTU      |           | 0.31 |
| 100 Ash Ave   |  | 0.34      | 0.55  | 0.33      | 0.58  | 0.36      | 0.60         | 0.47                     | 0.68  | 0.76      | 0.99                   | TURBIDITY ( AVG. ) NTU     |           | 0.20 |
| Pumphouse (Free)  |  | 0.45      |       | 0.81      |       | 0.82      |              | 0.55                     |       | 0.67      |                        |                            |           |      |
| 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)  |                            | 6,138,200 |      |
|   |  |           |       |           |       |           |              |                          |       |           | PRIOR YEAR CONSUMPTION |                            | 3,680,300 |      |
|   |  |           |       |           |       |           |              |                          |       |           | DIFFERENCE             |                            | 2,457,900 |      |
|   |  | 04-Mar-21 |       | 10-Mar-21 |       | 17-Mar-21 |              | 24-Mar-21                |       | 31-Mar-21 |                        | <u>System</u>              |           |      |
| LOCATION  |  | NTU       |       | NTU       |       | NTU       |              | NTU                      |       | NTU       |                        | CL2 Residual Free (min)    |           | 0.33 |
| District Office   |  | 0.48      |       | 0.55      |       | 0.51      |              | 0.52                     |       | 0.52      |                        | CL2 Residual Free (max)    |           | 1.19 |
| 621 Linden Ave  |  | 0.44      |       | 0.45      |       | 0.49      |              | 0.52                     |       | 0.47      |                        | CL2 Residual Free (AVG)    |           | 0.57 |
| 334 Lakehill (Post)   |  | 0.47      |       | 0.48      |       | 0.49      |              | 0.47                     |       | 0.47      |                        |                            |           |      |
| 100 Ash Ave   |  | 0.46      |       | 0.48      |       | 0.47      |              | 0.48                     |       | 0.45      |                        |                            |           |      |
| Pumphouse   |  | 0.15      |       | 0.31      |       | 0.19      |              | 0.17                     |       | 0.46      |                        | TURBIDITY ( MIN.) NTU      |           | 0.44 |
| 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  |                            | 0.55      |      |
|   |  |           |       |           |       |           |              |                          |       |           | TURBIDITY ( AVG. ) NTU |                            | 0.48      |      |
| COLIFORM TESTING  |  |           |       |           |       |           |              |                          |       |           |                        |                            |           |      |
| Location  |  | Date      |       | FREE CL2  | NTU   | E.COLI    | TOT.COLIFORM |                          |       |           |                        |                            |           |      |
| 260 UPPER CYPRESS   |  | 03-Mar-21 |       | 0.42      | 0.54  | <1        | <1           |                          |       |           |                        |                            |           |      |
| 334 LAKEHILL RD   |  | 10-Mar-21 |       | 1.19      | 0.48  | <1        | <1           |                          |       |           |                        |                            |           |      |
| 621 LINDEN AVE.   |  | 17-Mar-21 |       | 0.36      | 0.49  | <1        | <1           |                          |       |           |                        |                            |           |      |
| 119 PONDEROSA P/H   |  | 24-Mar-21 |       | 0.55      | 0.17  | <1        | <1           | Background colonies >200 |       |           |                        |                            |           |      |
| 119 PONDEROSA OFFICE  |  | 31-Mar-21 |       | 0.39      | 0.46  | <1        | <1           |                          |       |           |                        |                            |           |      |
| COLIFORM TESTING GOAL: to meet <i>BC Drinking Water Protection Regulations</i> of MAC <1 ( 1 CFU/100 ML)  |  |           |       |           |       |           |              |                          |       |           |                        |                            |           |      |
| PREPARED BY:  |  |           |       |           |       |           |              |                          |       |           | CEH                    |                            |           |      |