

# **KALEDEN IRRIGATION DISTRICT**

## **WATER QUALITY REPORT 2016**

This report is submitted to our customers as per the requirement of the *Safe Drinking Water Act*, which came into effect May 2003.

QUANTITY OF WATER PUMPED 2016	281,535,389 USG
MAXIMUM DAILY DEMAND (Aug 18, 2016)	2,990,520 USG
MINIMUM DAILY DEMAND (December 14, 2016)	0 USG

### **Total Coliform and E-Coli Bacterial Testing Sample Locations:**

KALEDEN GENERAL STORE	7
PINEVIEW NORTH END	8
LINDEN SOUTH END	8
KALEDEN DISTRICT OFFICE	9
PUMPHOUSE	9
KALEDEN SCHOOL	5
UPPER CYPRESS	7
<b>TOTAL SAMPLES TAKEN</b>	<b>53</b>

There were no positive E-COLI samples.

**Total and free chlorine residuals were tested at the above locations on a weekly basis. Turbidity and chlorine residual is monitored at the pump station. The average monthly results are as follows:**

<b><u>MONTH</u></b>	<b><u>FREE CHLORINE RESIDUAL</u></b>	<b><u>TURBIDITY</u></b>
JANUARY	0.35	0.15
FEBRUARY	0.45	0.18
MARCH	0.40	0.18
APRIL	0.84	0.20
MAY	0.92	0.18
JUNE	0.65	0.14
JULY	0.73	0.14
AUGUST	0.89	0.17
SEPTEMBER	0.76	0.15
OCTOBER	0.63	0.15
NOVEMBER	0.34	0.12
DECEMBER	1.00	0.13
<b>YEARLY AVERAGE</b>	<b>0.66</b>	<b>0.16</b>

<b>TOTAL KGS. OF CHLORINE USED IN 2016</b>	<b>1273</b>
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We had one Comprehensive Water Analysis performed in NOVEMBER 2016. This includes chemical parameters from PH to Sulphate and mineral parameters from Aluminum to Zirconium. We also did 2 Trihalomethane (THM) tests. All the results were within acceptable levels of the Canadian Safe Drinking Water Guide. All the results are on file at the office.

The District has an Emergency Response Plan approved by the Interior Health Authority and it is on file at the District office.

The District will be continuing their Cross Connection Control Program to either eliminate cross connections or ensure that the appropriate backflow preventers are installed. This includes agricultural, commercial and underground irrigation systems.

If there are any questions or concerns, please feel free to drop by the office any weekday morning from 9am to 12 noon, except Tuesdays & Fridays or call 497-5407 or e-mail [k.i.d@shaw.ca](mailto:k.i.d@shaw.ca)

*Information on the District and it's operation  
can be found on our website at:  
[www.kaledenirrigation.org](http://www.kaledenirrigation.org)*