



REGIONAL DISTRICT OF NORTH OKANAGAN

MEMBER MUNICIPALITIES:

CITY OF ARMSTRONG
DISTRICT OF COLDSTREAM
CITY OF ENDERBY

VILLAGE OF LUMBY
TOWNSHIP OF SPALLUMCHEEN
CITY OF VERNON

ELECTORAL AREAS:

"B" – SWAN LAKE
"C" – B.X. DISTRICT
"D" – LUMBY (RURAL)

"E" – CHERRYVILLE
"F" – ENDERBY (RURAL)

OFFICE OF: **ENGINEERING**

OUR FILE No.: **5637.1**

May 16, 2017

Interior Health Authority
851 - 16 Street
P.O. Box 627
Salmon Arm, BC V1E 4N7

Attention: Brian Gregory
Environmental Health Officer

Re: Grindrod Utility - Operation Reports

A bacterial sample from James St. sample station, taken on April 20, tested positive for 1 total coliform. The RDNO received the report on April 25, 2017 and operations was sent immediately to resample. The subsequent James St. sample station resample was reported as <1 for both total coliforms and *E. coli*.

Attached is the operations report for April 2017. Records include the following:

- Bacterial results from WaterTrax
- Turbidity (source and Distribution)

Yours truly,

A handwritten signature in blue ink, appearing to read 'Gina Le Bel'.

Gina Le Bel
Water Quality

cc: Wayne Radomske, Public Health Engineer (e-mail)

Report Name: *Monthly Distribution Bacterial and Chlorine

Chlorine (free)			Sampling Point Locator	Sampling Point Name
04/04/2017 11:30	0.87	mg/L	36090	Fourth Ave. SS
04/04/2017 12:20	0.92	mg/L	7181	Mayberry Country Store
04/20/2017 10:30	0.89	mg/L	3608F	James St. SS
04/20/2017 11:00	1.25	mg/L	9C08	Treatment Plant - Treated
04/25/2017 15:30	1.11	mg/L	3608F	James St. SS
# samples:	5	min:	0.87	mg/L
# detects:	5	max:	1.25	mg/L
# non-detects:	0	avg:	1.008	mg/L (based on 5 numerical results)
# exceedances:	0			

Chlorine (total)			Sampling Point Locator	Sampling Point Name
04/04/2017 11:30	0.95	mg/L	36090	Fourth Ave. SS
04/04/2017 12:20	1.06	mg/L	7181	Mayberry Country Store
04/20/2017 10:30	0.91	mg/L	3608F	James St. SS
04/20/2017 11:00	1.41	mg/L	9C08	Treatment Plant - Treated
04/25/2017 15:30	1.25	mg/L	3608F	James St. SS
# samples:	5	min:	0.91	mg/L
# detects:	5	max:	1.41	mg/L
# non-detects:	0	avg:	1.116	mg/L (based on 5 numerical results)
# exceedances:	0			

Escherichia coli / E. coli (counts)			Sampling Point Locator	Sampling Point Name
04/04/2017 11:30	< 1	counts/100mL	36090	Fourth Ave. SS
04/04/2017 12:20	< 1	counts/100mL	7181	Mayberry Country Store
04/20/2017 10:30	< 1	counts/100mL	3608F	James St. SS
04/20/2017 11:00	< 1	counts/100mL	9C08	Treatment Plant - Treated
04/25/2017 15:30	< 1	counts/100mL	3608F	James St. SS
# samples:	5	min:	< 1	counts/100mL
# detects:	0	max:	< 1	counts/100mL
# non-detects:	5	avg:	n/a	(based on 0 numerical results)
# exceedances:	0			

Total Coliforms (counts)			Sampling Point Locator	Sampling Point Name
04/04/2017 11:30	< 1	counts/100mL	36090	Fourth Ave. SS
04/04/2017 12:20	< 1	counts/100mL	7181	Mayberry Country Store
* 04/20/2017 10:30	1	counts/100mL	3608F	James St. SS
04/20/2017 11:00	< 1	counts/100mL	9C08	Treatment Plant - Treated
04/25/2017 15:30	< 1	counts/100mL	3608F	James St. SS
# samples:	5	min:	< 1	counts/100mL
# detects:	1	max:	1	counts/100mL
# non-detects:	4	Geometric Mean:	1.000	counts/100mL (based on 1 numerical result)
# exceedances:	1			

Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, U=non-detect, OR=over-range, OG=overgrown, TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

- < means less than lower detection limit shown
- > means greater than upper detection limit shown
- « means detected & less than number shown
- » means detected & greater than number shown

* Indicates Criteria is exceeded

Grindrod Turbidity (NTU) Log Sheet

Date	Distribution	Raw
May-2-17	0.14	6.95
May-4-17	0.17	7.14
May-5-17	0.15	12.80
May-6-17	0.24	81.10
May-7-17	0.30	95.70
May-9-17	0.24	75.70
May-10-17	0.29	35.60
May-11-17	0.52	14.00
May-12-17	0.95	13.60
May-13-17	0.67	26.50
May-15-17	0.56	20.10
May-16-17	0.39	9.32
May-18-17	0.30	
May-19-17	0.25	8.31
May-19-17	0.21	14.90
May-23-17	0.29	8.40
May-26-17	0.20	5.48
May-25-17	0.21	4.73
May-27-17	0.19	5.21
May-30-17	0.17	3.71
May-31-17	0.19	3.14