



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**

June 15, 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

On Tuesday May 16, 2017 the Grindrod Treatment plant was shut down due to an accident beside the Shuswap River possibly resulting in contaminated water flowing downstream to the location of the intake. Using Manning's equation the travel time from the spill site was calculated, and after adequate time had passed for the risk of contamination to be mitigated the intake was turned back on Thursday May 18, 2017. Prior to turn on operations completed the required sampling requested by Interior Health. During the time when the plant was shut off there was no service interruption as sufficient treated water was in the reservoir to serve customers. The fuels analysis done by CARO laboratories showed non-detect values for all parameters.

Attached is the operations report for May 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)

Regional District of North Okanagan
9848 Aberdeen Road
Coldstream, BC V1B 2K9

Phone: 250-550-3700
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E-mail: info@rdno.ca

Report Name: *Monthly Distribution Bacterial and Chlorine

Chlorine (free)			Sampling Point Locator	Sampling Point Name
05/02/2017 11:40	0.98	mg/L	36090	Fourth Ave. SS
05/02/2017 12:30	1.34	mg/L	7181	Mayberry Country Store
05/15/2017 08:00	1.21	mg/L	36090	Fourth Ave. SS
05/15/2017 08:25	1.19	mg/L	3608F	James St. SS
05/15/2017 09:00	1.18	mg/L	7181	Mayberry Country Store
05/15/2017 09:15	1.37	mg/L	9C08	Treatment Plant - Treated
05/16/2017 11:45	1.32	mg/L	9C08	Treatment Plant - Treated
05/16/2017 12:30	1.31	mg/L	36090	Fourth Ave. SS
05/16/2017 13:00	1.38	mg/L	3608F	James St. SS
# samples:	9	min:	0.98	mg/L
# detects:	9	max:	1.38	mg/L
# non-detects:	0	avg:	1.253	mg/L (based on 9 numerical results)
# exceedances:	0			

Chlorine (total)			Sampling Point Locator	Sampling Point Name
05/02/2017 11:40	1.22	mg/L	36090	Fourth Ave. SS
05/02/2017 12:30	1.47	mg/L	7181	Mayberry Country Store
05/15/2017 08:00	1.34	mg/L	36090	Fourth Ave. SS
05/15/2017 08:25	1.39	mg/L	3608F	James St. SS
05/15/2017 09:00	1.31	mg/L	7181	Mayberry Country Store
05/15/2017 09:15	1.46	mg/L	9C08	Treatment Plant - Treated
05/16/2017 11:45	1.47	mg/L	9C08	Treatment Plant - Treated
05/16/2017 12:30	1.47	mg/L	36090	Fourth Ave. SS
05/16/2017 13:00	1.54	mg/L	3608F	James St. SS
# samples:	9	min:	1.22	mg/L
# detects:	9	max:	1.54	mg/L
# non-detects:	0	avg:	1.408	mg/L (based on 9 numerical results)
# exceedances:	0			

Escherichia coli / E. coli (counts)			Sampling Point Locator	Sampling Point Name
05/02/2017 11:40	< 1	counts/100mL	36090	Fourth Ave. SS
05/02/2017 12:30	< 1	counts/100mL	7181	Mayberry Country Store
05/15/2017 08:00	< 1	counts/100mL	36090	Fourth Ave. SS
05/15/2017 08:25	< 1	counts/100mL	3608F	James St. SS
05/15/2017 09:00	< 1	counts/100mL	7181	Mayberry Country Store
05/15/2017 09:15	< 1	counts/100mL	9C08	Treatment Plant - Treated

# samples:	6	min:	< 1	counts/100mL
# detects:	0	max:	< 1	counts/100mL
# non-detects:	6	avg:	n/a	(based on 0 numerical results)
# exceedances:	0			

Total Coliforms (counts)			Sampling Point Locator	Sampling Point Name
05/02/2017 11:40	< 1	counts/100mL	36090	Fourth Ave. SS
05/02/2017 12:30	< 1	counts/100mL	7181	Mayberry Country Store
05/15/2017 08:00	< 1	counts/100mL	36090	Fourth Ave. SS
05/15/2017 08:25	< 1	counts/100mL	3608F	James St. SS
05/15/2017 09:00	< 1	counts/100mL	7181	Mayberry Country Store
05/15/2017 09:15	< 1	counts/100mL	9C08	Treatment Plant - Treated

# samples:	6	min:	< 1	counts/100mL
# detects:	0	max:	< 1	counts/100mL
# non-detects:	6	avg:	n/a	(based on 0 numerical results)
# exceedances:	0			

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