



VILLAGE OF LYTTON

PO Box 100, 380 Main Street, Lytton, BC V0K 1Z0

P: 250-455-2355 F: 250-455-2142

hotspot@lytton.ca

March 31, 2017

WATER NOTICE

VILLAGE OF LYTTON AND IR 17, IR18

The Boil Water Notice Issued On March 15, 2017

Has Been Lifted

Recent samples of turbidity levels for the Lytton Creek Water Source have returned to normal levels. The Turbidity Rating Index is listed as "GOOD". Which is less than 1 NTU (<1NTU).

Your patience in this matter is greatly appreciated.

Turbidity Rating Index Guide

GOOD = (<1NTU) No Boil Water In Effect
FAIR = (1-5NTU) Water Quality Advisory Issued
POOR = (>5NTU) Boil Water Notice Issued.

If you have questions please contact:

- **Village of Lytton (250) 455-2355**
- **Interior Health Authority (250) 851-7340**

WHAT IS TURBIDITY?

Turbidity – cloudiness or particles in water – is more than just an aesthetic concern. As turbidity rises, so does the risk of gastrointestinal illness (find out why in column on right). While this might not be of great concern to most of us, the risk for the very young, the very old, and people with weakened immune systems can be higher.

Turbidity is an important water quality indicator because contaminants such as bacteria, viruses, and parasites (e.g. Giardia and Cryptosporidium) can attach themselves to the suspended particles in turbid water. These particles interfere with disinfection by shielding contaminants from the disinfectant (e.g. chlorine). nor is chlorine effective in deactivating Cryptosporidium.

Turbidity is caused by fine suspended particles of clay, silt, organic and inorganic matter, plankton, and other microscopic organisms that are picked up by water as it passes through a watershed. While turbidity usually results from natural events such as spring runoff or high precipitation, it can also be caused by manmade erosion.

Turbidity, reported in nephelometric turbidity units (NTU), is an optical measurement of water's ability to scatter and absorb light rather than transmit it in straight lines.

Turbidity levels are much higher in water from surface sources than in groundwater. Turbidity levels can range from less than 1-NTU to more than 1,000-NTU. At 5-NTU water is visibly cloudy, and at 25-NTU it is murky.