Sense of smell is blocked (olfactory fatigue)

Most people smell “rotten eggs”

Concentration

- Million (ppm)
- Concentration by Field

Period

- Table H

Location may be higher, as indicated in the formations and produced in area

Above 500

200 to 250

100 to 150

50 to 100

0 to 50

The Oil & Gas Commission assumes neither responsibility for inaccuracies or inaccuracy in the data nor liability for any damage of any type arising from errors or omissions.

Purpose of Map

This map is intended to provide an initial awareness of H2S level in subsurface formations and produced in area infrastructure. The value posted and used for color coding is the average value of all gas analysis reported as sampled from production meters, within the field area. Many fields include multiple formations, each at different depth and H2S content. The maximum H2S value at a particular location may be higher, as indicated in the table "H2S Concentration by Geological Period".

Where operations may result in contact with natural gas, a detailed H2S review in the specific location is required.

Data based on all gas analysis available as of December 2017.

Map of Average H2S Percentage by Field

Legend

Averaged H2S Content by Regional Field

- Less than 0.01%
- 0.01% to 4.99%

Averaged H2S Content by Field

- Less than 0.01%
- 0.01% to 4.99%
- 5.0% to 9.99%
- 10.0% to 29.99%
- Greater than 30.0%

Observations and Health Effects

- Nausea is strong
- Throat dry and irritated
- Gas clingy, thin, or water, and “gas eye” symptoms may occur
- Prolonged exposure may cause coughing, hoarseness, shortness of breath and sting itch, or water, and “gas eye” symptoms

H2S Concentration by Field

- Low
- Medium
- High

- 0 to 5
- 5 to 15
- 15 to 30
- 30 to 50
- Above 50

H2S Percentage by Field

- S Concentration
- Content

S Source: Work Safe BC