

# **METHANE EMISSIONS – HUMAN AND ECOLOGICAL HEALTH RISK BASED RANKING AND PRIORITIZATION TOOL**

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There are numerous confirmed cases of well casing leaks in Alberta, which are associated with the emission of methane and other natural gas components. There is need for a methodology that can be used to rank wells in terms of risk potential and thus timeliness for mitigation. The ranking tool could serve as a common platform for incorporating historical, current, and potential future information, while not imposing a process standard. In this way, the tool could be reviewed at intervals by companies developing their own risk prioritization schemes.

## **Policy Issue**

Improving the understanding of the impacts of surface casing vent flows. Gas migration from wellbores is a potentially significant liability and cost issue that requires greater technical understanding of causal mechanisms and potential environmental impacts.

## **Knowledge Gap**

Environmental impacts from surface casing vent flows with respect to shallow aquifers and greenhouse gas

2017 Presentation

2017 Draft User Manual