



Regarding Approval LA22038A
N½ 07-012-21-W4

Leak Detection Groundwater Monitoring Requirements

The purpose of this statement is to outline the leak detection groundwater monitoring requirements in Approval LA22038A. Operating Condition 9 of Approval LA22038A reads:

“The installation of a minimum of six monitoring wells are required and are to be located in the vicinity of both the catchment basin area and the proposed feedlot perimeter to ensure groundwater safety. Monitoring is to occur on an annual basis with the supervision of Alberta Environment and the results reported back to the NRCB.”

Based on the request of Barrhill, the existing (and carried forward) leak detection groundwater monitoring requirements for the catch basin should continue. The current sampling regime is as follows:

Monitoring Frequency

Annual monitoring with results provided by March 27 of each year

Monitoring Well Test Parameters

Groundwater samples from the monitoring wells are to be tested for the indicator parameters identified in the Technical Guideline Agdex 096-52: Leak Detection Groundwater Monitoring Parameters

Monitoring Wells to be used for Monitoring

All monitoring wells at the facility are to be monitored

The leak detection groundwater monitoring results must be forwarded to the NRCB Lethbridge Office by March 27 of each year.

To ensure that monitoring requirements are appropriate, CFO operators should inform the NRCB of any new water wells that are being developed or installed in the area surrounding their facility.

The integrity of all monitoring wells must be maintained. Any damaged or destroyed wells must be reported to the NRCB and may be required to be repaired or replaced.

These monitoring requirements become effective on the date of this letter and supersede any previously issued monitoring requirements at this facility.

March 1, 2023

(original signed)
Carina Weisbach
Approval Officer