

Regarding Approval LA25014
NE 34-04-20 W4

Leak Detection Groundwater Monitoring Requirements

The purpose of this statement is to revise the leak detection groundwater monitoring requirements in Approval LA25014. Operating Condition #8 of Approval LA25014 reads:

“Liquid Earthen Manure Storage (EMS) leakage detection monitoring system

a. Leakage detection well results must be submitted to the NRCB in report format until such time as the NRCB adjusts the monitoring frequency, test parameters and/or report contents. All reports (comprehensive and/or indicator) must include but will not be limited to:

- ***Background information – site description, soil logs, diagrams***
- ***Water level elevations***
- ***Elevation of liquid manure in the EMS at the time of water sampling***
- ***Dates when the EMS was emptied***
- ***Inspection of the surface well casing for its integrity***
- ***Explanation of the water sampling collection technique***
- ***Field and laboratory work***
- ***Discussion and explanation of the results including a trend analysis***
- ***Recommendations***

b. An Indicator report must be done annually with results submitted to the NRCB by November 30th, beginning in 2004. The indicators report must include laboratory analysis of the indicator parameters outlined in Technical Guideline Agdex 096-52 “Leak Detection Monitoring Parameters”.

The NRCB has re-assessed the leak detection groundwater monitoring requirements, using results from an environmental risk screening conducted on June 26, 2008, for this facility.

Based on the risk screening result, the NRCB has determined that the leak detection groundwater monitoring requirements for this facility should be amended as follows:

Monitoring Frequency

Leak detection groundwater monitoring requirements are suspended

Monitoring Well Test Parameters

Not applicable, as monitoring is suspended

Monitoring Wells to be used for Monitoring

Not applicable, as monitoring is suspended

Note that the installation of new water wells in the area surrounding the CFO may impact the potential risk to groundwater quality at a facility and therefore, may require monitoring requirements to be revised. 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.

May 13, 2025

(Original signed)
Kelsey Peddle
Approval Officer