

Regarding Approval LA25024  
NW 17-4-14 W4M

### **Leak detection groundwater monitoring requirements**

The purpose of this statement is to revise the leak detection groundwater monitoring requirements in Approval LA25024. Operating Condition #4 of Approval LA25024 reads:

#### ***“Earthen Manure Storage (EMS) Leakage Detection System Reporting***

***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 information, soil logs, diagrams***
- ***Water level elevations***
- ***Elevations 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 completed and submitted annually to the NRCB beginning in November 2006. The indicators report must include laboratory analysis of the indicators 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 11, 2018, 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 statement and supersede any previously issued monitoring requirements at this facility.

July 23, 2025

*(original signed)*  
Kelsey Peddle  
Approval Officer