

Regarding Approval RA24002
SW 2-36-13 W4M and SE 3-36-13 W4M

Leak Detection Groundwater Monitoring Requirements

The purpose of this statement is to revise the leak detection groundwater monitoring requirements in Approval RA24002. Operating condition 3 of RA24002 reads:

“Reporting of leakage detection well results must be done at the time of leakage detection well installation and every 12 months thereafter. The report will 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*
- *Laboratory reports as follows:*

Indicators to be done at the time of leakage detection well installation and every 12 months thereafter:

- *¾ pH, Total Dissolved Solids, Electrical Conductivity*
- *¾ Chloride, Potassium, Orthophosphates, DOC*
- *¾ Nitrogen Species: Ammonia, Nitrate Nitrogen, Total Kjeldahl Nitrogen*
- *¾ Bacterial: E-Coli*

- *Discussion and explanation of the results including a trend analysis*
- *Recommendations*

The reports are to be submitted to the NRCB until such time as the NRCB adjusts the monitoring frequency, test parameters and/or report contents.

Based on the risk screening results, and to reflect the NRCB’s current monitoring practices, 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

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 monitoring statement and supersede any previously issued monitoring requirements at this facility.

June 20, 2024

(Original signed)

Sarah Neff
Approval Officer