

Regarding Approval LA21012

Groundwater Monitoring Requirements

The purpose of this statement is to revise the groundwater monitoring requirements in Approval LA21012. Operating Condition number 4 of Approval LA21012 reads:

“The owner/operator shall conduct leak detection monitoring for the earthen liquid manure storage facility and concrete liquid manure storage tank according to a groundwater monitoring system prescribed and authorized in writing and as amended from time to time where appropriate, by the NRCB”

The NRCB has re-assessed the groundwater monitoring requirements, using results from an environmental risk screening conducted on July 6, 2021 for this facility.

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

Monitoring Frequency

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

The results for the risk screening exercise indicated this facility has a low potential to impact the uppermost groundwater resource. There is a minimum of 60 meters of clay and different bedrock layers between the bottoms of the earthen liquid manure storage and the concrete liquid manure storage tank facilities, and the uppermost groundwater resource. The 60 meters of clay and different bedrock layers together with the earthen manure storage compacted clay liner and liquid manure storage tank concrete liner provide significant additional protection to the uppermost groundwater resource. The two manure storage facilities at the Green Acres Colony therefore have a low potential to impact groundwater.

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.

Date: July 13, 2021

Signed:

(original signed)
Carina Weisbach
Approval Officer