

## *Final Report*

associated equipment. Nutrien submitted a *Process Water Management Plan for Phosphogypsum Stacks* on February 8, 2019.

- Nutrien submitted a Closure Permit Application for the unlined Swift Creek Phosphogypsum Stack in December 2021.
- FDEP Release Report Incident(s).
  - Discovery of a release of an estimated 1,000 gallons of turbid stormwater that discharged off-site to Long Branch on July 8, 2021. There are no other indicated contaminants. Erosion of two sections of a perimeter berm caused by heavy rainfall (Tropical Storm Elsa) which allowed inflow of excess stormwater from outside our operational area. That led to a second berm failure which allowed discharge of turbid water through an unnamed tributary to Long Branch.
  - Discovery of a release of an estimated 20,000 gallons of turbid stormwater that discharged off-site to Long Branch on August 4, 2021. There are no other indicated contaminants. Erosion of a perimeter berm caused by heavy rainfall which allowed inflow of excess stormwater from outside our operational area. That led to a second berm failure which allowed discharge of turbid water through an unnamed tributary to Long Branch.
  - Discovery of a release of an estimated 10,000 gallons of turbid stormwater that discharged off-site to Long Branch on August 5, 2021. There are no other indicated contaminants. Discharge was stopped promptly upon discovery by repair of the perimeter berm, preventing further inflow and stopping the outflow. This incident was caused by external erosion of the perimeter berm at the point of the previous repair. Corrective actions are complete.
  - Discovery of a release of an estimated 4 million gallons (estimated flow of 4 mgd for 24 hours) of turbid stormwater that discharged off-site to Long Branch on September 9, 2022. There are no other indicated contaminants. This incident was caused overflow of water from a recently reclaimed lake. A perimeter berm intended to prevent overflow was found to have a gap that was opened for equipment access during reclamation and was not re-established following completion of the reclamation work. Discharge was stopped promptly upon discovery by restoration of the perimeter berm. Additional corrective actions will include re-vegetation of the berm as soon as conditions allow.

Mr. Dung Vo, P.E., stated that Nutrien is in compliance with the permit.