

Final Report

action letters by Mr. Sims indicated Nutrien–White Springs is in compliance for all domestic wastewater permits.

FDEP – Ambient Air Quality and Point Source Emissions Permits

LHC staff conducted a telephone interview with Sara Grave, Environmental Consultant, Ambient Air Quality and Point Source Emissions, to review the status of active ambient air quality and point source emission permits. This interview and a query of the FDEP’s Air Document Handling System indicate that Nutrien is in compliance with Ambient Air Quality and Point Source Emissions. Unlike the previous five-year review period(s), there were not any “significant non-compliance” from failed stack test resulting from greater than 200% of allowable emissions for Ms. Graves reported that Nutrien is in compliance with all air permits.

USACE- Federal Wetlands Permit No. 198404652 (IP-RHL)

LHC staff conducted a telephone interview with John Fellows, Biologist, U.S. Army Corps of Engineers, Jacksonville Regulatory Office, regarding the modification Permit No. 198404652 (IP-RHL) approved by the ACOE in 2003. This permit related to the approximate 1,400 acres of federal jurisdictional wetlands located within the Nutrien–White Springs Conceptual Mining Plan boundaries. According to Mr. Fellows and Nutrien–White Springs is in compliance with this permit.

FDEP – NPDES/Industrial Wastewater Facility Permit No. FL0000655

LHC staff conducted a telephone phone interview with Dung Vo, P.E., Environmental Supervisor to review the status of the NPDES permit. This permit authorizes 27.8 Million Gallons Discharge (MGD) at the Suwannee River Facility and 26.9 MGD at the Swift Creek Facility. Discharge consisting of treated process wastewater, contaminated non-process wastewater, treated sanitary wastewater, storm water, clay settling areas, and the phosphogypsum stack systems. Final discharge to surface waters of the state occurs at outfalls D-001 (Swift Creek), D-002 (Hunter Creek), D-003 (Roaring Creek) and D-004 (Camp Branch), all of which are discharges to Class III fresh surface waters of the state.

The FDEP OCULUS system was queried for compliance issues. Below is a summary:

- FDEP Compliance evaluation Inspection, May 1, 2018. December 2017 Alpha Gross Particle Activity was measured at and reported to be 15.5 pCi/L at well MWC-SC-15D. A resample was conducted on March 18, 2018, that resulting in a 4.8 pCi/L at well. This was below the limit of 5 pCi/L at well.
- FDEP Warning letter, January 16, 2019, re effective capacity for treatment of process wastewater at Swift Creek Chemical Plant due to extreme rainfall in November and December 2018. Nutrien increased treatment rates at or above 1,200 gallons per minute and confirmed alternative treatment methodologies and equipment. Nutrien also began de-bottlenecking of the liming station and