

## *Final Report*

### EPA Enforcement Action - RCRA-04-0210-4250: Consent Order regarding Management of Phosphogypsum Stack Systems

On December 10, 2009, PCS notified FDEP of a sinkhole formation in the Swift Creek Phosphogypsum stack system resulting in the unauthorized discharge of 84 million gallons of wastewater to the Florida Aquifer. On June 2, 2010, PCS entered into an Administrative Order on Consent with the U.S. EPA - Region 4 pursuant to Section 7003(a) of RCRA, Docket No. RCRA-04-0210-4250. Under the terms of the Order, PCS agreed to evaluate alternatives for the future management of phosphogypsum and process water from the manufacturing of phosphoric. On May 2, 2011, EPA approved the “Preferred Alternatives Plan”.

On November 30, 2016, EPA approved modifications to the Phosphogypsum stacks at the Suwannee River and Swift Creek Chemical Complexes. Details for each PGSS area are provided below.

#### *Dorr-Oliver Phosphogypsum Storage Stacks – Suwannee Complex*

The Dorr-Oliver PGSS closure began in 2011 by removing and treating water from the cells. These cells will remain open for emergency water storage through 2021. Closure, scheduled to be completed in 2027, will consist of installation of a top-liner, final grading, and revegetation; with post-closure care beginning in 2028.

PCS has proposed and EPA has approved the PCS Work Plan and Schedule for Closure of the Dorr-Oliver Cooling Pond at the Suwannee River Chemical Complex. PCS began closure of cooling ponds in 2011 by removing and treating process water. Cooling pond closure began in 2014; post-closure care began in 2015.

PCS submitted work plans and schedules for closure of the Dorr-Oliver Phosphogypsum Stack and the surge pond to U.S. EPA on August 17, 2016. These plans were approved by EPA on November 20, 2016.

#### *CTC Phosphogypsum Storage Stacks - Suwannee Complex*

The existing CTC PGSS is scheduled for closure in 2020; consists of installation of a top-liner, final grading, and revegetation; with post-closure care beginning in 2021. Closure of the existing CTC cooling pond is scheduled to be completed in 2030. PCS is developing Work Plan and Schedule for EPA approval for these activities.

PCS cancelled the proposed new, lined PGSS immediately north of the existing CTC PGSS.