



ARS

Annual Report Summary

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DRI #231 - PHOSPHOGYPSUM STACK EXPANSION HILLSBOROUGH COUNTY RY 2014-15

On June 19, 1996, the Hillsborough County Board of County Commissioners adopted a Development Order (Resolution No. 96-161) for CF Industries, Inc. to construct a phosphogypsum (“gypsum”) stack expansion on 576± acres at the existing CFI Plant City facility. The site is located to the east of State Road 39, one mile south of Pasco County and six miles north of the City of Plant City in northeastern Hillsborough County. Although the DRI Development Order specifically approved the entire 30-year project, the latter one-third of the project (Construction Sequence III) will require further permit approval. The existing gypsum stack and the existing plant facilities were constructed prior to 1973 and are thus vested from the DRI process and are not covered by this Development Order.

The Development Order has been amended once, on December 11, 2001 (Resolution No. R01-265). The amendment authorized a two-year, ten-month and six-day extension of the date in which CF Industries can place additional gypsum in the existing stack and to potentially further extend this date slightly in order to facilitate proper leveling and stabilization techniques prior to stack closure and installation of the liner.

The gypsum stack expansion is required to be constructed in three sequences, each with 160± acres. A completion (i.e. buildout) date of December 31, 2026 and a Development Order expiration date of December 31, 2031 have been established.

PROJECT STATUS

Development this Reporting Year: Ongoing maintenance was conducted in Wetland A for nuisance and exotic vegetation and supplemental plants were installed. An Adaptive Management Plan was submitted to and approved by the U.S. Army Corps of Engineers (USACE) to provide improved hydration of Wetland A.

Cumulative Development: Closed the north phosphogypsum stack in 2004; completed construction of the Phosphogypsum Stack Expansion Sequence I in 1999 and Sequence II in 2013; installed the liner system between the inactive north phosphogypsum stack and the stack expansion in 2001; and completed 135 acres of wetland creation through excavation, mulching and planting. All wetlands except “A” have been released from mitigation by FDEP, HCEPC and USACE and “D” by USACE. Additionally, all uplands except “5” have been released.

Projected Development: Monitoring and nuisance species control measures are routinely implemented in the wetland areas as part of the Long Term Maintenance Plan. It is anticipated that prescribed burns will continue to be implemented in two- or four-year intervals. The Developer anticipates that Upland 5 will be released during RY 2015-16 after which Mitigation Area B will be returned to Hillsborough County Environmental Lands Acquisition Program (ELAPP) for long term management.

SUMMARY OF DEVELOPMENT ORDER CONDITIONS

1. Condition IV.A.2. mandates the Developer to conduct subsurface testing/exploration prior to commencement of each construction sequence. If subsurface features are detected during the conduct of these tests, corrective actions must be implemented. The Developer continues to recognize that a Ground Penetration Radar survey, Standard Penetration Test (SPT) borings, cone penetrometer soundings and transects on 50' intervals were conducted and completed in regard to Construction Sequences I & II. The intervals were reduced to 25' following clearing activities for Sequence II.
2. Prior to each subsequent construction sequence approval, the Developer shall submit: a Response Plan (Condition IV.A.3.); groundwater, surface water and air monitoring programs (Condition IV.A.4.b, IV.A.4.d and IV.A.9.a., respectively); and identification of all dewatering activities (Condition IV.A.7.), floodplain mitigation (Condition IV.A.8.), and alternative disposal techniques/technologies (Condition IV.A.10). While each of these requirements were initially met for Construction Sequence I, the plans/programs were subsequently revised to reflect Construction Sequence II. The revised documents were subsequently approved and provided in association with the RY 2011-12 Annual Report. It is anticipated that similar strategy will be applied in conjunction with the solicitation of Construction Sequence III approval.
3. The Developer ceased hydraulic delivery of phosphogypsum to any unlined portion of the Existing Stack prior to January 31, 2004 as required by Revised Condition IV.A.12.a. and closed the Stack shortly thereafter in accordance with the "*Phosphogypsum Management Rule*," (i.e. Chapter 62-673, F.A.C.) to the acceptance of the Florida Department of Environmental Protection.
4. The Developer previously submitted a Detailed Restoration Plan/Land Management Plan (hereafter referred to as "DRP") in accordance with Condition IV.B.5. The DRP, which was subsequently approved by the review agencies and incorporated in the appropriate permits, contains a requirement for the Developer to expend \$5 million for restoration activities, exclusive of attorneys' fees and/or implementation costs. The Developer previously acknowledged expending the funds within the specified ten-year time frame.
5. The surface water quality monitoring requirements are identified in Condition IV.B.7. The monitoring program has been previously approved by the permitting agencies. The current surface water quality and groundwater monitoring results were provided as Exhibit "H" to the RY 2014-15 Annual Report as a subset of the *Annual Restoration Report*.

DEVELOPER OF RECORD

The Mosaic Company, Attention: Ronald L. Brunk, Environmental Manager, 660 East County Line Road (P.O. Drawer L 33654), Plant City, FL 33565 is the firm responsible for adhering to the conditions of the Development Order.

DEVELOPMENT ORDER COMPLIANCE

The project appears to be proceeding in a manner consistent with the Development Order. Hillsborough County is responsible for ensuring compliance with the terms and conditions of the Development Order.