



# ARS

## Annual Report Summary

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### **DRI #231 - CFI GYPSUM STACK EXPANSION HILLSBOROUGH COUNTY RY 2009-10**

On June 19, 1996, Hillsborough County 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 approves the entire 30-year project, the latter two-thirds of the project (Construction Sequences II and 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 only a single time 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 (to January 31, 2004), 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 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:*** Received FDEP permit approval to initiate construction of Phosphogypsum Stack Expansion Sequence II on June 24, 2009; Upland Unit 6 was seeded during the fall of 2009; additional shrubs and trees were planted in Unit 1A during the Summer of 2009; a controlled burn was conducted on the Pine Plantation in Restoration Area C and Upland Restoration Unit 4; continued monitoring and control of exotic and nuisance species in all the upland and wetland areas; completed vegetative monitoring in the Fall of 2010; Unit 1A-E was prepped by herbiciding and disking for seeding in Fall of 2010; maintenance herbiciding of bahia and Bermuda grass continues within the 46.5-acre Unit 1B; and wildlife and vegetation monitoring was conducted in Units 1A, 1B, 2, 3, 4, 5 and 6 during 2008 and concluded in the Spring of 2009.

***Cumulative Development:*** closed the existing Phosphogypsum Stack; completed construction of the Phosphogypsum Stack Expansion Sequence I in 1999; completed the installation of the liner system in 2001; and completed the 135 acres of wetland created through excavation, mulching and planting. FDEP permits have been received for Phosphogypsum Stack Expansion Sequence II; Wetlands WC-B, WC-C, WC-F, WC-H, WC-J, WC-K and WC-R have been released to date.

***Projected Development:*** The Developer intends to “control” a few patches of Cogon grass within various units during the upcoming year and will re-seed Units 1A-E. The developer anticipates conducting a prescribed burn in Restoration Unit 5 of the Pine Plantation during RY 2011-12.

## **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 any subsurface features are detected during the conduct of these tests, corrective actions must be implemented. The developer continues to acknowledge that a Ground Penetration Radar survey, Standard Penetration Test (SPT) borings, cone penetrometer soundings and transects on 50' intervals were completed in regard to Construction Sequence I and have been initiated for Construction 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); identification of all dewatering activities (Condition IV.A.7.) and floodplain mitigation (Condition IV.A.8.); and identification of alternative disposal techniques and technologies (Condition IV.A.10). The developer has stated that all of these requirements were submitted and approved by the appropriate agencies in regard to Construction Sequence I and are proposed to (or will be) modified and/or established, as appropriate, for Construction Sequence II.
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. In accordance with the "Phosphogyp-sum Management Rule" of Chapter 62-673, F.A.C. and Condition IV.A.12.c., the Existing Stack was closed prior to March 25, 2006 to the acceptance of the Florida Department of Environmental Protection.
4. The Developer has 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 \$5,000,000.00 for restoration activities (exclusive of attorneys' fees and/or implementation costs). The Developer has affirmed that "CF has expended the specified funds within the ten-year requirement."
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 are provided within Exhibits "H" & "K," respectively, of the RY 2009-10 Annual Report.

## **DEVELOPER OF RECORD**

CF Industries, Inc., Attention: Ronald L. Brunk, Superintendent/Environmental Affairs, 10608 Paul S. Buchman Highway (S.R. 39), 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.