



ARS

Annual Report Summary

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**DRI #273 - WINGATE CREEK MINE S/D
MANATEE COUNTY
RY 2017-18**

On January 28, 1975, the Manatee County Board of County Commissioners granted a Development Order to Beker Phosphate for the mining of 6,065 of the project's 10,971 acres. The project was formerly known as Beker Phosphate/DRI #42.

The Development Order for DRI #42 was amended once, on February 5, 1987 (Resolution R-87-26). The primary purpose of the Amendment was to recognize a sizable land sale to Manatee County and others, resulting in a corresponding reduction in project acreage.

On October 18, 1988, the Manatee County Board of County Commissioners approved Resolution R-88-236 as a Substantial Deviation Development Order (SDDO). The project was reassigned DRI #95 and renamed Wingate Creek Mine. A chief objective of the SDDO was to settle litigation and allow the transport of phosphate rock from the facility to Port Manatee.

The previous SDDO has been amended nine times, most recently on May 1, 2008 (Ordinance No. 08-21). The numerous revisions included: changes in project ownership (from Beker Phosphate to Nu-Gulf Industries to Cargill Fertilizer and ultimately to Mosaic Fertilizer); removal of previously mined project acreage resulting; changes to the assigned haul routes for product transport; and extending the mining life, Development Order expiration and reclamation completion dates. As of the last Amendment affecting that SDDO, 1,252 of the Mine's 3,028 acres were approved for mining, most of which had already occurred.

The project has been granted further Substantial Deviation Development Order (SDDO) approval (i.e. Ordinance No. 13-01) by the Manatee County Board of County Commissioners on February 19, 2013. The latest SDDO authorized Mosaic Fertilizer LLC to expand mining operations at the existing Wingate Creek Mine in east central Manatee County. With partial frontage along the northern side of S.R. 64, the current 3,028-acre Mine site boundaries are situated approximately three miles west of Hardee County and nearly 10 miles south of Hillsborough County. Part of the Mine site's eastern boundary is shared with Mosaic's withdrawn Wingate Extension DRI.

The following constitutes the primary revisions associated with the latest SDDO:

- authorized the processing of phosphate ore from the adjacent mining area (formerly recognized as the "Wingate Extension DRI") at the existing Wingate Creek Plant;
- allowed the exchange of sand tailings and overburden with the formerly-proposed Wingate Extension (#272) and SE Tract DRIs (#235);
- modified the waste disposal plan to allow mining of Wingate Creek Mine's initial clay settling area and

to allow the use of conventional clay settling. The current clay settling composite materials will be transported to the SE Tract DRI mine sites;

- extended the life of the Wingate Creek Mine for mining and trucking until July 2023 with reclamation continuing until December 2027 (nine year extension);
- authorized the mining of 557 acres of land previously approved for disturbance only (no mining) or no disturbance at all within the Wingate Creek Mine (see **Map 3**/Page 8 of this Report);
- approved the mining of 15 acres of land previously designated as preservation due primarily to acquisition of adjacent parcels;
- established Post-Reclamation Habitat;
- revised mining and reclamation plans to allow activities described above to be accomplished; and
- added Mosaic’s New Wales phosphate plant as a potential trucking destination.

The following table reflects the extent and location of impact (in acres) by Section/Township/Range:

SECTION	TOWNSHIP	RANGE	TO BE MINED (Acres)	TO BE DISTURBED (Acres)	NOT TO BE DISTURBED (Acres)	TOTAL (Acres)
19	34S	22E	0.0	0.2	4.5	4.7
20			128.1	98.1	52.3	278.5
21			257.4	17.5	15.3	290.2
28			563.9	35.1	41.3	640.3
29			421.8	186.5	46.1	654.4
30			22.2	68.7	28.8	119.7
31			204.6	217.5	168.4	590.5
1	35S	21E	0.0	0.0	2.5	2.5
6		22E	210.8	159.0	77.4	447.2
TOTAL →			~1,809	~783	~437	~3,028

On August 5, 2016, the Developer requested an amendment to Master Mining Plan Resolution R-13-001 and Operating Permit Resolution R-13-002 to modify the proposed reclamation sequence. The amendment was approved by Manatee County through a February 21, 2017 correspondence from Mr. Robert Brown, Division Manager of Manatee County Parks & Natural Resources Department.

On November 4, 2017, the Developer requested an amendment to Master Mining Plan Resolution R-13-001 and Operating Permit Resolution R-13-002 to abandon the NPDES Outfall D-001 (a.k.a. WC-001) from the Wingate Creek Mine operation. Manatee County considered the proposed Outfall abandonment to be a “non-significant amendment” and approved the proposal through a correspondence dated January 19, 2017 from Mr. Charles Hunsicker, Director of Manatee County Parks & Natural Resources Department.

PROJECT STATUS

Development this Reporting Year: no mining occurred during the reporting period. It was recognized that 105 acres were graded/contoured and were deemed “effectively complete,” 32 acres were grassed/mulched and 10 acres received planted trees. It appears that none of these lands were released by FDEP or the County during RY 2017-18. An estimated 1,580,394 tons of product was produced during 2017-18 (including the Wingate extension) with an estimated shipment of 1,627,135 tons.

Cumulative Development: a total of 1,110 acres have been mined and 1,469 acres have been disturbed but not mined. In total, an estimated 1,248 acres have been graded/contoured, 1,175 acres have been grassed/mulched, 182 acres have received tree plantings and 1,236 acres were determined to be “effectively completed.” To date, FDEP has released 272 acres and the County has released 288 acres.

Projected Development: the Developer does not anticipate a resumption of mining activities during 2018-19 but has indicated their expectation to grade/contour, grass/mulch and “effectively complete” 60 acres as well as plant trees on 40 acres.

SUMMARY OF DEVELOPMENT ORDER CONDITIONS

1. In accordance with Condition 4.B.(1), the developer can truck a maximum of 2 million dry tons of product per year via designated haul routes. The Developer has affirmed that truck hauling of product continues in accordance with this Condition.
2. Condition 4.B.(12) requires the developer to rebuild the southern 6.3-mile segment of Duette Road used as part of the permanent haul route upon completion of mining activities. Since mining has not been completed, this Condition is not applicable at this time.
3. The designated haul route to Mulberry includes a Duette Road bridge spanning the eastern fork of the Manatee River (i.e. Bridge #134030). In accordance with Condition 4.B.(13), this bridge is to be inspected biannually by a Structural Engineer for integrity. If deficiencies are detected, haul operations across the bridge shall immediately cease until corrected. Such inspections were submitted in association with the Annual Report and shall continue through the life of the project.
4. The two floating dredges used in the mining and reclamation process shall be dismantled and removed from the Wingate Creek Mine at the completion of mining and reclamation activities [Condition 4.C.(7)]. This Condition is not applicable at this time.
5. Mosaic continues to acknowledge that two monitoring wells were installed in proximity of the Winding Creek Subdivision and that monitoring is ongoing. [Conditions 4.C.(11)-(12)]
6. Mosaic has “noted” their obligation to “consult” with the Charlotte Harbor National Estuary Program (CHNEP) to ensure consistency with their policies to the maximum extent. [Condition 4.C.(21)]
7. Mosaic has acknowledged that “wildlife on site is being managed in accordance with the requirements of FWC and the USFWS,” consistent with Condition #6 [Page 16 of Ord. No. 13-01]

DEVELOPER OF RECORD

Mosaic Fertilizer LLC, Fishhawk Office, 13830 Circa Crossing Drive, Lithia, FL 33547 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. Manatee County is responsible for ensuring compliance with the terms and conditions of the Development Order.