

June 8, 2017

MEMORANDUM

TO: El Kromhout

FROM: Joe Dertien

SUBJECT: Tomoka Farms Road Landfill, Volusia County (WACs #: 27540)  
Restrictive Covenant for Closure Soil

DOCUMENT: Declaration of Restrictive Covenant (letter report), Neel-Schaffer, June 1, 2017

The purpose of this memorandum is to provide an evaluation of the referenced document. The objective of the document was to present an acceptable amount of proof that the County has the means to execute a landfill closure using fill material from the designated Pioneer Trail Borrow Area. This fill material would be used in place of fill provided from an independent contractor.

The document consists of 8 parts:

1. Cover Letter
2. Restrictive Covenant
3. Drawings
4. Design Report (just a site description)
5. Geotechnical Report
6. SJRWMD Permit
7. Landfill Final Grading Plan
8. Deeds and Related Legal Documents

The scope of this memorandum was limited to items 1, 3, 4, 5, and 7. Items 2 and 8 are legal documents and item 6 describes the water management district's permit.

The primary goal of the evaluation was to determine if the quantity and quality of the proposed fill material available from the designated area are satisfactory for use as a protective soil layer (i.e., bottom 18 inches of the 24-inch final soil cover) in accordance with Paragraph 62-701.600(3)(g)4., F.A.C. The stated volume of approximately 350,000 CY from an estimated total available volume of approximately 1,015,000 CY appears sufficient.

Regarding the soil type or quality, based on the soil descriptions presented in the geotechnical report (Universal Engineering Sciences, June 20, 2016, revised July 27, 2016), the soil appears satisfactory for the proposed use. Overall, the encountered soils that would be recovered for use were classified based on the USCS as SP, SM, SP-SM, and SC.