



Florida Department of Environmental Protection

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Memorandum


TO: Kelsey Helton, P.G.
Waste Site Cleanup Section, WCP


THROUGH: Brian Dougherty, Administrator
Office of District & Business Support, DWM

FROM: Lanita L. Walker, P.E. III
Office of District & Business Support, DWM

SUBJECT: Cabot/Koppers Superfund Site
Gainesville, Alachua County
Preliminary Design: Design Track 2
Operable Units Two, Three, and Five (Koppers), dated July 5, 2016
Site ID: ERIC_3780
Former Site ID: 000000007

DATE: November 29, 2016


12/6/2016
Signed by: Dougherty, B


11/29/2016
Signed by: Walker, LL

The Office of District and Business Support (ODBS) has reviewed the Preliminary Design: Design Track 2, for Operable Units Two, Three, and Five (Koppers), dated July 5, 2016. This report presents the preliminary remedial design (RD) for the following four components of the Site's selected remedial actions (RA):

A subsurface cut-off wall,
Stormwater controls,
Sediment removal downstream from the former Koppers facility, and
Removal of soil at the former City of Gainesville Municipal Storage Yard (MSY).

The report appears to address each of the RA(s) listed above.
Please explain the impacts and areal extent created by the reduced swell seen by the in-situ geochemical stabilization (ISGS) reagent.

4.2.4 - The swell index test performed with different water sources and sodium permanganate-based ISGS reagent indicated that only ISGS reagent inhibits the swelling potential of the bentonite products. The swell index of the bentonite products with different water sources was approximately 30 mL/2g, while the swell index of the bentonite products with ISGS reagent was less than 1 mL/2g.

Prior to installation of the final cap, groundwater head control inside the cutoff wall is proposed to be completed by operating the existing surficial aquifer drains. Please provide a plan that details monitoring

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of groundwater head inside and outside of the cutoff wall; triggers that prompt additional action; and the additional action to be taken if the trigger points are exceeded.

The proposed stormwater ditch relocation and restoration appear acceptable. All additional permits required to implement this component must be obtained (example: environmental resource permit).

The removal of sediment in the MSY ditch due to exceedances of pentachlorophenol, followed by placement of clean fill, is supported.

The determination to use the MSY soil-pile material as fill in the consolidation area, under the 2-foot-thick final cover, is supported to prevent direct exposure and leaching of contaminants exceeding the soil cleanup target levels (SCTLs).

If you have any questions, please contact me at (850) 245-7502.

Lanita L. Walker