

(Sheet 12). A cross-section depicting the shallow/deep piezometers and clay layer is provided on Sheet 12.

4. Provisions Check List and Explanations for Protection of the Environment and Resources of the State Comments by: Surface Mining Unit

a. Explanations

- i. *Please note that the Surface Mining Rules Section 391-3-3-.05(1) requests that the Mining Land Use Plan include provisions for protection of the environment and resources of the State. The checklist that was provided to Twin Pines, was taken from GEPA but meant to be used as a guidance for Twin Pines to follow and make their own. EPD is not asking Twin Pines to follow GEPA regulations. The provisions checklist will be an addendum to the Surface Mining Land Use Plan (MLUP) and used during public meetings as an outline of the affects the Twin Pines project may have on the surrounding environment and resources of the State.*

Response: Thank you for your clarification. Text referring to GEPA has been deleted.

- ii. *Wetlands- Give a brief description of how the non-jurisdictional wetlands will be temporarily affected and then reclaimed.*

Response: Additional detail has been added to this checklist explanation, and on Sheet 9 of the MLUP.

- iii. *Flood Plain/River Corridor- Cite the source that was used to determine the claim.*

Response: Flood Insurance Rate Map (FIRM) Panel numbers have been referenced. Georgia Rule 391-3-16-.04(2)(m) (Criteria for River Corridor Protection) has also been referenced.

- iv. *Water Supply - State how the proposed withdrawal is compared to the production capacity of the Floridan Aquifer. Also provide the distance to the nearest known supply well, public or private, completed in the Floridan Aquifer. Will withdrawal from the Floridan Aquifer create a cone of depression that may impact nearby watersheds? If so, this data needs to be provided or pointed to within the MLUP.*

Response: TPM conducted an analysis of the effects of withdrawal from the Floridan Aquifer. This analysis is documented in Attachment A of this document. A summary of the results of the analysis is also provided in the checklist explanations document.

- v. *Water Resources- Please provide an explanation of any potential water quality impacts as a result of the groundwater withdrawal from the Upper Floridan Aquifer.*

Response: Additional detail regarding potential water quality impacts as a result of groundwater withdrawal from the Upper Floridan Aquifer have been added to the checklist explanations document.

- vi. *Groundwater Recharge- No comment.*