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## Section H: Supplemental Information for Stormwater Management Systems for Mines

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Instructions: The supplemental information required by this section is in addition to the information required by Section A and Section C (if applicable) of this application. This section is only required for mines for which the Department has permitting, compliance, and enforcement responsibilities under the interagency operating agreements with the water management districts and mines within assumed waters regulated under Chapter 62-331, F.A.C., but is not applicable to borrow pits.

***The design options and considerations applicable to stormwater management systems for mines are referenced in Section 8.2.7 and described in Appendix I of Volume I of the Applicant's Handbook. The applicant is strongly encouraged to contact the Department to arrange a pre-application review meeting prior to finalizing the proposed project activities, including monitoring well and piezometer installation and water quality sampling. The information requested below represents the level of information that is usually required to evaluate an application. Information can be provided within reports, plans and other documents. Provide a response after each item below indicating specifically where in the reports, plans, and other documents the information will be found. If an item does not apply to your project, indicate that it does not and proceed to the next item. The level of information required for a specific project will vary depending on the nature and location of the site and the activities proposed. Conceptual approvals generally do not require as much detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date.***

### Part 1: Project Information and Environmental Considerations

- a.  Provide a detailed description of the proposed activities, including specifics about the stormwater management system(s), water treatment methodologies, and operation and maintenance procedures for the construction (during-mining and reclamation) and post-reclamation (also known as "operation" or "post-development") conditions.
- b.  Respond to the following items if Section C was not completed (because the proposed work or activity will not occur in, on, over, or within 25 feet of a wetland or other surface water):
  1.  Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each wetland and other surface water, both within and contiguous to the proposed permit area. Include an aerial photograph identifying each area, the elevation source and datum, and method of evaluation.
  2.  Describe how the proposed project will be designed to avoid adverse effects to public health, safety, or welfare or the property of others.
- c.  Provide the results of percolation tests, soil boring logs, cross-sections, and stratigraphic thickness contour maps, if available, that are representative of the actual site conditions to the proposed excavation depth(s). Provide the hydraulic conductivity values and proposed average and maximum depths of excavation.
- d.  Provide a hydrostratigraphic column that is representative of the proposed project site. Describe the hydrostratigraphic units and define all aquifer(s) and/or aquiclude(s) (semiconfining/confining beds) present at the project site. Identify the wet season high water table elevations for the proposed project area. Include the dates, datum, and methods used to determine these parameters.
- e.  Changes to pre-construction groundwater elevations on the proposed mining site may adversely impact the hydrology of onsite or offsite wetlands and other surface waters (including lakes, streams, and spring discharges). Provide the following:
  1.  A hydrologic analysis, such as a seepage analysis, water budget analysis, and/or drawdown analysis, for the existing, construction, and post-reclamation conditions. State

