

**TYPE 3 EXCAVATION
PRE-APPLICATION CHECKLIST (Article 4.B.10)**

General: The following information is required at time of submittal. Incomplete applications will be considered insufficient.

- 1. Provide comments from DEP and SFWMD staff responsible for CERP as to the location of existing and proposed CERP projects and include the DEP Preliminary Assessment Letter (PAL). Verify meeting and additional comments or proposed conditions from SFWMD prior to DRO certification. (See SFWMD contact information below).
- 2. The boundaries of the project on a USGS Quadrangle map including existing and permitted mines within five miles of the proposed mine.
- 3. Aerial Photos of the site at a scale of 1"= 400 ft.
- 4. A Soils Map which reflects current conditions of the site.
- 5. FEMA flood zone maps.
- 6. A conceptual reclamation plan depicting the location of all proposed water management systems (mine pits) with details of size, side slopes, designed water depths, water control structures and demonstration of a minimum 100' wide planted littoral zone.
- 7. Pre and post Land Use and Cover maps showing the location of any wetlands or other surface waters at the site.
- 8. Provide representative hydraulic conductivity (seepage) information for deposits to be extracted. Average hydraulic conductivity, in feet/day, for an average thickness of significant lithologic and/or hydrostratigraphic layers to be penetrated by extraction and the immediate underlying deposits.
- 9. Demonstrate that the hydraulic gradient between the mine and basin control elevations in immediately adjacent lands meets Environmental Resource Permit standards (FAC Rule 40E-4).
- 10. Describe Best Management Practices for Surface water containment, erosion, and petroleum storage to be implemented during mine excavation.
- 11. Provide representative groundwater quality information and lithologic descriptions. Provide groundwater quality test results at a minimum for specific conductivity, chloride and TDS at 10-foot intervals to the proposed maximum depth of extraction, or at other depths representative of the hydrostratigraphic layers per square mile.
- 12. Provide a conceptual master plan of the build-out of the subject property, considering pertinent land owners and lessees.

In addition, the applicant should provide a discussion of the following items:

- A description of sensitive environmental and local issues and any other key permitting concerns;
- Information on Fish, Wildlife, Listed Species (based on FFWCC species GIS layers or FNAI data);
- A description of how water quantity, quality, hydro-period, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or remain undisturbed;
- A description of any proposed mitigation plans for wetland impacts;
- The locations of transportation facilities, buildings and work locations, and rock processing facilities and conveyors;
- A description of proposed mining techniques. These should include:
 - An excavation plan identifying the planned horizontal and vertical limits of extraction, as well as the extraction plan for cells;
 - The methods for handling storm water during site preparation and the initial phases of the project;
 - The handling and removal of muck or other overburden materials;
 - The proposed methods for blasting or fragmenting the rock strata;
 - The handling and processing of materials; and,
 - Any proposed dewatering (if applicable).

SFWMD Contact information:

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