



Mining Application Review

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Overview of Permitting Process

- Florida Department of Environmental Protection (FDEP) formally reviews mines through the Environmental Resource Permit (ERP) process
- FDEP shares the submitted application and information
- District reviews and comments
- District reviews and issues Consumptive Use Permit



Overview of Permitting Process

- Both permitting processes require extensive site-specific geologic, hydrologic and engineering analyses from the applicant
- Proposed mining and reclamation to include the requisite engineering to support a facility that can provide water quality treatment and protect water supply, flood control and environmental restoration projects
 - Analyses are crucial to conclude whether the proposed use will impact District operations, adjacent natural resources or environmental restoration facilities



SFWMD Review

- **District review:**
 - **Ecosystem Restoration**
 - **Water Quality**
 - **Flood Control**
 - **Water Supply**
 - **Permitting Processes**



SFWMD Review

- **Ecosystem Restoration:**
 - **District, State and federal government have invested significant resources to restore and improve the Everglades**
 - **Large land acquisitions (EAA Reservoir, River of Grass)**
 - **Construction of 60,000 acres of stormwater treatment areas**



SFWMD Review

- **Ecosystem Restoration:**
 - **River of Grass planning underway**
 - **District staff and stakeholders identifying configurations**
 - **Participation in these publicly held meetings will help ensure proposed land use decisions are not inconsistent with the District's regional restoration efforts and water quality improvement requirements**
 - **Consider District lands**
 - **Consider District programs**



SFWMD Review

- **Water Quality:**
 - **Expansion of mining activities could have impacts incompatible with regional restoration efforts and area's water resources**
 - **Mining sites in close proximity to restoration, and in porous geology, must include saltwater intrusion considerations in design to prevent loss of water through seepage**
 - **Migration of high chloride water could impact ecology of restoration areas**



SFWMD Review

- **Water Quality:**
 - **Appropriate surface water management systems with stormwater detention to keep stormwater on-site**
 - **Appropriate water quality treatment in place should discharges be needed**
 - **To prevent impacts to stormwater treatment areas and downstream water resources**
 - **Appropriate water quality monitoring**



SFWMD Review

- **Flood Control:**
 - **Plan for long-term operation and maintenance of a site to hold stormwater on-site**
 - **Ensure flood control system maintained by the District is not overwhelmed by discharges from mining operations**
 - **Prevent flooding impacts to adjacent communities, landowners and water resource projects**



SFWMD Review

- **Water Supply:**
 - **Demonstrate the mine's isolation from salt-intruded groundwater**
 - **Determine and prevent potential saltwater impacts to public water supply, other existing legal users, natural resources and other permitted operations**



SFWMD Review

- **Permitting:**
 - **Provide permitting considerations**
 - **Coordination**





Questions

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