ASH POND DEWATERING

**Typical Wastewater Treatment System**

1. **Equalization**
   Flow equalization is performed to control water volume being sent to the treatment system. This equalized flow enables consistent and efficient system operation.

2. **pH Adjustment**
   pH adjustment is performed to neutralize the incoming wastewater and facilitate improved treatment.

3. **Flocculent Addition**
   Wastewater treatment chemicals are added, helping particles group together to improve treatment performance.

4. **Clarification**
   Particles are removed through clarification. This is a mechanical system that slows the water down and enables settling of particles in the wastewater.

5. **Solids Removal**
   Solids will be removed and disposed of at a permitted facility.

6. **Filtration**
   Physical filtration will be performed with sand and cartridge filters. These filters are installed sequentially to provide removal of any remaining particles.

7. **Monitoring**
   Continuous effluent monitoring is performed to ensure that the discharge is protective of public health and the environment.

8. **Quality Control**
   Any water not meeting the required standards is recycled back to the ash pond for additional treatment.