

3. The Operator will ensure that all measures and facilities for control of erosion and sedimentation during site preparation, operation, and/or reclamation activities shall adhere to the following:
 - A. Erosion and sedimentation control measures and facilities will be employed prior to or concurrent with clearing, grading, overburden removal, access or other land disturbing activities for preparation or operation of the site for mining. Provisions will be made for treatment or control of any source of sediments.
 - B. All erosion and sedimentation control measures or facilities, whether temporary or permanent, shall be continuously maintained by the Operator, so as to be effective.
 - C. Sediment in surface runoff water shall be trapped by use of debris basins, sediment basins, silt traps, sediment barriers or similar structures.
 - D. Permanent vegetation shall be installed as soon as possible. Temporary vegetation and/or mulch shall be employed where necessary to protect exposed critical areas until permanent vegetation or stabilization is attained.
 - E. Natural vegetation shall be retained, protected and supplemented wherever feasible to provide for natural buffer areas.
 - F. Diversions, dikes, and berms shall be employed to retain, direct and control surface water runoff from affected areas into sediment control structures.
 - G. All surface water discharges shall be controlled and released at a nonerosive velocity onto stabilized areas or into stabilized channels.

NOTE: The Operator may attain conformance through the use of design criteria in the "Manual for Erosion and Sedimentation Control in Georgia," published by the State Soil and Water Conservation Commission as a guide or through the use of alternate design criteria which conform to sound conservation and engineering practices.

4. All permanent landform changes including, but not limited to, berms, drainage structures, surface water channel modifications, etc. shall be constructed in a manner to protect against failure, subsidence and/or erosion and will be permanently stabilized upon completion of construction.
5. Whenever a mining site lies contiguous to any waters of the State or whenever, in the judgement of the Division, proposed mining at such site will adversely affect any portion of a watershed of the State, the Operator will follow sound engineering and conservation measures to provide protective barriers, such as dams, berms, silt ponds, or other similar structures, between the land to be affected and waters or watersheds involved. All such structures are to be approved by the Division as a part of this Plan and are to be substantial for the protection of contiguous natural resources of the State. All structures referred to above are to be constructed a reasonable distance from waters of the State, or that portion of a watershed of the State that may be adversely affected, as determined by the Division. Surface mining, if conducted within the 100 year floodplain, shall be done in accordance with any applicable local floodplain management ordinance, if any. Where a local floodplain management ordinance does not exist, the Operator shall ensure that the mining activities are conducted so as to minimize flooding, erosion and/or sedimentation on adjacent upstream or downstream properties.