

Georgia Samples

(Silt Stop Blends / Floc Log Applications)

Sample Location	Description	APS Application	Results and Special Instructions
2/10/05 Analysis by: SRI	Sample Type	Floc Log Type	Reaction Time / NTU Reading
1 Georgia Erosion Control Center 1441 Dupree Road Woodstock, GA 30189 770-928-5529 770-928-4468 fax David Hire	Holly Commons pHi-6.6 NTUj->1100	703d#3	20-30 sec / <10NTU
		Stabilization Type	
		705 powder	Spray or dry application
		605 emulsion	Spray application only

Note: These samples contain moderate swelling clays. Mixing / reaction times will be very important when using the Floc Log listed above. The mixing must be continuous for the time stated to obtain the stated results. A mixing ditch, pipe or flume system may be used with either a pump or gravity flow to meet this requirement. **Particulate formed was hydrophobic and floats. Particulate must be filtered. Particulate formed may be captured by filtering through silt fence, mulch, straw or jute fabric after the mixing reaction has been completed.** The dosage rate should be **60-70 GPM flow / each Floc Log placed in a series 10-15 feet apart in a row.** The use of particle curtains may greatly increase settling efficiency with these Floc Logs.

Stabilization of the soil at the source may be obtained by spreading 10-20 pounds/acre of the 705 powder onto the soil surface (can be mixed with other additives such as seed, fertilizer, etc.) then covering the soil with straw, mulch or matting. If hydroseeding, the 705 powder or 605 emulsion may be added as a final additive to the normal mix. This will perform as a stabilizer for reducing clay movement into the runoff water and as a tackifier to hold the soil/organic matrix in place. We suggest using both methods to assure best stormwater quality discharges. Areas where high water velocity may occur (ditch lines, swales, etc.) should be "soft armored" by placing "jute" matting flush to the ground surface then spreading the 705 powder (dry) over the jute. This will greatly reduce erosion in these areas.