



Aggregate Industry

This facility manufactures crushed rock and DOT approved road base for several state highway and airport expansions. The facility neglected to install a soils entrainment and control plan or system and is in violation of their discharge permit. Integrated Engineers was requested to evaluate the site and make recommendations and a proposed system to mitigate this surface water runoff problem.

The sample from this aggregate operation was jar tested onsite with Floccin™ 1105. With minimal mixing (less than 30 seconds), the solids were agglomerated into a quick settling Floc as shown below. Part of the proposed 500 gpm system was to utilize this water and reuse 100% of it in their rock washing operations. The dosage was 0.25 grams/1,000 ml.

