

Research about efficient use of sludge in dam concrete

[Point]

In dam site, a large quantity of sludge emerges at the time of aggregate production and at the time of dam body green cut. Sludge has been currently disposed as industrial waste by spending a large amount of money. Therefore, efficient use of sludge is required from the perspectives of environmental conservation and cost reduction. This study was conducted for attempting efficient use of sludge by mixing it into concrete, and for the purpose of the following two.

1. Quality assessment method of sludge.
2. Establishment of compound design method of concrete with sludge mixed inside.

Keywords: broken stone sludge, quality assessment, compound design, environmental conservation