

Review about cement-based solidification treated soil

[Point]

“Cement-based solidification treated soil review committee” was set up in December 1999, and safety against chromium hexavalent was verified, with regard to the overall cement such as ground improving agent. As a result, notice was given in March 24, 2000 (revised in April 20, 2001) for immediately taking measures with regard to cement-improved soil. This study was conducted for the purpose of clarifying the dissolution property of chromium hexavalent from cement-improved soil and the impact of dissolved chromium hexavalent on the surrounding ground.

As a result, it was revealed that dissolution concentration and length of cement improved soil was closely related to the chromium hexavalent volume that was held in the improved soil, and that there was an effect in the surrounding ground for inhibiting transference of chromium hexavalent.

Keywords: cement, improved soil, chromium hexavalent, column test