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## Design of Solidification and Insolubilization Treatment for Arsenic-Containing Soft Soils using Solidified Materials

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Treatability tests were conducted to solidify and insolubilize soft soil containing arsenic (cone index 111 kN/m<sup>2</sup>, arsenic elution amount 0.17 mg/L), using three types of solidification materials (Blast furnace cement type B, Low chromium type cement, and Magnesium oxide solidification material). Based on conditions suitable for the cone index target value (200kN /m<sup>2</sup> or more) and the arsenic elution amount reference value (0.01 mg/L or less), considering the relative evaluation test of stability against pH change, safety factor setting method, etc., the materials and amounts to be used were determined (mixing of 150 kg/m<sup>3</sup> of magnesium oxide solidified material).

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