Chapter 5 Ground Settlement, etc.

[Public Notice] (Ground Subsidence)

Article 15

Effects of ground subsidence shall be assessed using appropriate methods based on ground conditions considering the structures, the surcharge and surrounding situations of the facility.

1 Ground Settlement

Ground settlement includes immediate settlement, consolidation settlement, uneven settlement and lateral displacement. The effects of ground settlement should be evaluated based on ground conditions, appropriately considering the structures of the facilities concerned, surcharges, and seismic actions.

For the evaluation of ground settlement, see **part III, Chapter 2, 3.5 Settlement of Foundation**.

2 Crustal Deformations Due to an Earthquake

When a large earthquake occurs, the fault movement causes an elastic crustal deformation and may result in a permanent displacement of the ground in a large surrounding area. This is called a crustal deformation.

For the evaluation of a crustal deformation, see **Part II, Chapter 6, 2 Crustal Deformations**.