

During the Defects Notification Period, the Engineer shall monitor the dry solid content of the dewatered sludge and final dried sludge and reduction in E.coli numbers after sludge drying for compliance with the stated criteria in Volume 3 Section 2.5.2, Table 2.5.

48 sampling sessions shall be carried out at regular intervals for each year to analyze the dry solid content of the dewatered sludge and final dried sludge and reduction in E.coli numbers after sludge drying.

The tests shall be carried out absolutely during the coldest months (January and February) and the warmest months (July and August). Minimum one sample per week shall be taken and analyzed daily during the coldest months and the warmest months. That is, minimum 16 samples will be taken and analyzed in January, February, July and August. This condition is valid both for wastewater and sludge samples. The number of samples to be tested shall be increased in case of Engineer's instructions.

Sampling

48 sampling sessions shall be carried out at regular intervals for each year in order to assess the total solids content.

For each session, part samples shall be taken every hour during a working day from the outlet of the sludge units.

For each session, a representative sample shall be made up by mixing the individual samples to form a composite sample.

Compliance criteria

The maximum number of samples which fail to conform is five (5) for each parameter.

4.21.2.3 Odor Requirement

The required odor treatment to be fulfilled is stated in Section 2.6.2 of the Employer's Requirements. The verification of odor treatment fulfillment shall be carried out during the Defects Notification Period following the Employer's Taking Over in accordance with the following procedures.

The required odor level to be fulfilled is stated in Volume 3: Employer's Requirements, Section 2: Design Basis, 2.6.2. The procedure of acceptance test shall be as follow:

The odor shall be measured at a height of 2 meters above the ground and at a lateral distance of 1.5 m away from the odor removal unit at 24 hours average.

When respective axial fan/s of a building/tank is running, the odor value shall not be more than 1000 OU inside the buildings and at max. 1 m distance to the tanks and other odor sources.

48 sampling sessions shall be carried out at regular intervals for each year in order to assess the total solids content.

4.21.2.4 Noise requirement

The required noise level to be fulfilled is stated in Volume 3: Employer's Requirements, Section 2: Design Basis, 2.6.1. The Engineer shall determine the time and location of measurements.