



INFORMATION BULLETIN / PUBLIC - BUILDING CODE
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NUCLEAR DEVICES FOR SOIL DENSITY AND MOISTURE DETERMINATION

Section 91.7011.3 requires all man-made fills to be compacted to specific minimum relative compactions.

Nuclear devices may be used for determining in-place soil density and moisture content subject to the following provisions:

1. Soil density testing shall be performed in accordance with ASTM Designation D2922 (current version) and moisture content shall be performed in accordance with ASTM Designation D3017 (current version).
2. Calibration curves for each nuclear testing device shall be not more than one year old.
3. To provide correlation with presently approved testing methods, ten percent of the tests shall be sand cone tests (ASTM D1556 (current version)), with not less than one sand cone test per project. These sand cone tests shall be taken at the same location as one of the nuclear tests. The results of these correlation tests shall be included in the compaction report.
4. The operation of devices shall conform to the requirements of the State of California and the Los Angeles County Health Department.