ATTI – PERFORMANCE CHECKLIST

FIELD TECHNICIAN

AASHTO T310-22 FIELD DENSITY AND MOISTURE CONTENT OF SOIL-AGGREGATE BY THE NUCLEAR METHOD

SITE PREPARATION

SEC: 9.1	Select a location where the gauge will be at least **6" away** from any **vertical mass**. If closer than **24" to a vertical** mass, follow manufacturer's correction procedures.
SEC: 9.2.1	Remove all loose, disturbed, and excess material as necessary to expose the top of the compacted lift to be tested.
SEC: 9.2.2	Prepare an area of sufficient size using the scraper plate. Plane the area to a smooth condition removing loose stones to obtain maximum contact between the gauge and material being tested.
SEC: 9.2.3	Do not exceed 1/8" Void beneath the gauge. Use **native fines** or fine sand to fill **voids** only, and smooth the surface.
SEC: 9.5.2	Securely hold scraper plate in place while driving the drill rod at least **2" deeper than the depth to be tested**.
SEC: 9.5.5	Place gauge on material to be tested, making sure **maximum surface contact.**
SEC: 9.5.6 & 9.5.7	Lower the **rod** into the hole to the desired depth. Pull the gauge so that it is in **contact with** the **side of the hole** in the gamma path. All other **radioactive sources** must be **30 feet away**.
SEC: 9.5.9	Record one or more **one-minute** readings.

SEC: 9.5.10

SEC: 9.6

If samples of material are to be taken for purposes of water content or density determination, take the sample from directly underneath the gauge to the approximate depth of the test.

SEC: 10.2.1 & T99 A1.1.3

Perform corrections for oversize material, if required. If a minimum percentage is not specified, correction shall be applied to samples with more than 5 % of oversized particles.