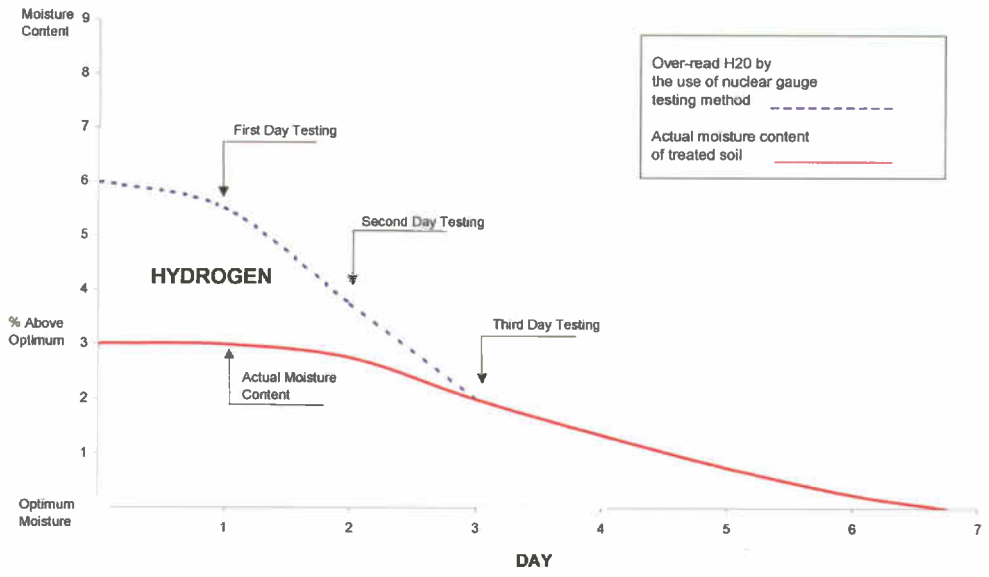
MOISTURE/DENSITY RESULTS VERSUS HYDRATION RATE

MOISTURE ANALYSIS

- **Nuclear gauge will determine Hydrogen as water in chemically treated soils.**
- **During the reaction/curing period Hydroxylions are added that contain a great number of Hydrogen atoms.**
- **If Nuclear gauge is calibrated for the natural soil without stabilizer present, then each reading of a chemically treated soil would appear to be higher in moisture and lower in density during hydration period.**



MOISTURE CORRECTION

- **Perform compaction testing using nuclear gauge, measuring wet density only.**
- **Perform a moisture correction by oven drying or Speedy Moisture test.**
- **When treated soil is cured beyond initial hydration period (approximately 3 days), no correction may be needed.**