**Sample**

**DEPARTMENT OF BUILDING**

**Name, Title**

**INSPECTION DIVISION**

**Name, Title**

**Address**

**City, State 00000**

**Phone Contact**

**Email Contact**

**FIELD TESTING AUDITS**

The following section contains audit questions useful in evaluating testing technician performance in the field.

**Item No. Item Reviewed Yes No**

**Slump of Portland Cement Concrete**

**1.** Was sample of concrete obtained in accordance with **[STANDARD]?**

**2.** Sample placed on a flat, rigid nonabsorbent surface?

**3.** Mold smooth and free from projections and dents?

**4.** Tamping rod 5/8-inch diameter?

**5.** Hemispherical tip 5/8-inch radius?

**6.** Mold dampened before test?

**7.** Mold filled in three equal volume lifts?

**8.** Concrete heaped above mold for final layer before rodding?

**9.** Each layer rodded 25 times?

**10.** Strokes spiraled from outside toward center?

**11.** Strokes just penetrating layer below?

**12.** Struck off by screeding and rolling?

**13.** Mold raised immediately in 5 ± 2 seconds?

**14.** Slump measured and recorded to nearest ¼-inch?

**Sampling Fresh Concrete**

1. Has the time between first and final portions of sample been 15 minutes or less?
2. Portion samples remixed with a shovel to uniform consistency?
3. Slump and air tests begun within 5 minutes after sampling?

**Date: [MONTH, DAY, YEAR]**

**Department: Building** **Division/Group:**

**Inspection/Engineering**

**[FORM #]: [REVISION #] (continued)**

**FIELD TESTING AUDITS (continued)**

**Item No. Item Reviewed Yes No**

**Sampling Fresh Concrete cont.**

**4.** Strength test started within 15 minutes after mixing composite sample?

**5.** Sample protected from sun and wind to prevent evaporation and contamination?

**6.** Strength sample 1 cubic foot minimum?

**7.** Truck ticket checked for correct mix?

**8.** Sample taken from two or more regularly spaced intervals during discharge of middle portion of the batch?

**9.** Was water added to the mix after samples were obtained?

**Making and Curing Concrete Test Specimens in the Field**

|  |  |
| --- | --- |
| **1.** | Strength samples molded on a level, rigid, horizontal surface? |
| **2.** | Samples moved to the place of storage immediately after being struck off? |
| **3.** | Samples protected from jarring, striking, tilting or scarring during movement to storage? |
| **4.** | Sample placed in the mold such that a symmetrical distribution of the concrete is obtained in the mold? |
| **5.** | Concrete placed into the molds in equal volume layers? |
| **6.** | Each layer rodded 25 times using a spiral outside-to- inside pattern penetrating the layer below: 4-inch lift, ½-inch; more than 4-inches, 1-inch? |
| **7.** | Rodding voids closed by lightly tamping the mold sides with the tamping rod? |

**8.** Sample struck off and initially cured at a temperature

 of 60 to 80°F during the first 24 hours after molding?