Other Required PCC Structures Acceptance Process Responsibilities

Duty	Task	Performed By/ Required Cert.	Miniumum Frequency
1. Inspect stockpiles	•Observe stockpiling procedures. •Check for segregation. •Check for contamination. •Check for degradation. •Check for proper storage and handling of aggregates per Article 2301.13 and Materials IM 527.	Construction AGG II	Observe during startup and **during visits**
2. Concrete Grade Yield	•Compare quantity required to quantity batched and placed.	Construction PCC II	N/A
3. Flexural Strength (beams) Curing and Testing	•Cast and cure per Materials IM 328. •Test per Materials IM 316.	Construction PCC I	Perform test each occurrence
4. Maturity Curve Development and Validation	•Observe maturity curve development per Materials IM 383. •Observe casting and curing of beams. •Observe testing of beams. •Observe maturity meter readings at time of beam breaks. •Review Maturity - Strength Development MOR - CPL form. •Review Maturity - Field Data form. •Review Validation of Maturity Curve form.	Construction/PCC I District Materials Engr. Construction/PCC I District Materials Engr.	**When available** Review each curve for each mix. Review each form. Review each validation.
5. Field Maturity Testing	•Observe placement of maturity probes per Materials IM 383. •Observe contractor maturity meter readings	Construction PCC I	Observe readings from continuous monitoring device once per project.
6. Test Equipment	•Inspect test equipment **to ensure in good working order and lab has been qualified.**	Construction PCC I & AGG II	**During startup and ~~W~~when problems arise**
7. Audit Checks and Test results in Plant Book	•Check for proper completion of Daily Plant Checklist and Plant Site Inspection List. •Observe record of test results for moistures and specific gravities.	Construction PCC II	Weekly
8. Material certifications	Check certifications for: •Cement •Fly Ash •GGBFS (Slag) •Aggregates •Admixtures	Construction PCC II	**During visits**

Other Required PCC Structures Acceptance Process Responsibilities

Duty	Task	Performed By/ Required Cert.	Miniumum Frequency
9. Observe aggregate moisture and specific gravitity testing	•Observe CPI perform test in accordance with Materials IM 307 and IM 308.	Construction PCC II	**1/project**
10. Plant proportion control	•Observe delivery tolerance. •Observe scale sensitivity. •Observe admixture dispenser operation. •Check for proper batch proportions on computer generated or hand written batch tickets	Construction PCC II	Once during first week of production
11. Observe mix times and number of revolutions	•Per Article 2001.21.	Construction PCC II	Once per pour
12. Audit Daily Diary	•Review for proper recording of events.	Construction PCC II	**During visits**
13. Plant Reports	•Check for proper project and mix identification. •Check for dates and report number. •Review batch weights and aggregate gradations. •Check materials brands and sources. •Check for correct concrete and cement totals (daily, weekly, and to date). •Check for appropriate Plant Inspector signature or initials. •Sign report after review. •Check for hard copy or electronic backup of files	Construction PCC II	Weekly
14. Inspect Transit Mixers	•Inspect for buildup in drum per Article 2001.21 B. •Inspect for fin wear or broken fins per Article 2001.21 B. •Check for current truck certification per Article 2001.21 B.	Construction PCC II	1/Month
15. Inspect plant facility	•Observe plant calibration to assure compliance with Materials IM 527. •Check lab qualifications. •Inspect test equipment.	District Materials PCC II	Central Batch/ Mobile Mixer - Beginning of project Ready Mix - Yearly