

## Other Required PCC Structures Acceptance Process Responsibilities

Duty	Task	Performed By/ Required Cert.	Minimum Frequency
1. Inspect stockpiles	<ul style="list-style-type: none"> <li>•Observe stockpiling procedures.</li> <li>•Check for segregation.</li> <li>•Check for contamination.</li> <li>•Check for degradation.</li> <li>•Check for proper storage and handling of aggregates per <a href="#">Article 2301.13</a> and <a href="#">Materials IM 527</a>.</li> </ul>	Construction AGG II	Observe during startup and <b>during visits</b>
2. Concrete Grade Yield	<ul style="list-style-type: none"> <li>•Compare quantity required to quantity batched and placed.</li> </ul>	Construction PCC II	N/A
3. Flexural Strength (beams) Curing and Testing	<ul style="list-style-type: none"> <li>•Cast and cure per <a href="#">Materials IM 328</a>.</li> <li>•Test per <a href="#">Materials IM 316</a>.</li> </ul>	Construction PCC I	Perform test each occurrence
4. Maturity Curve Development and Validation	<ul style="list-style-type: none"> <li>•Observe maturity curve development per <a href="#">Materials IM 383</a>.</li> <li>•Observe casting and curing of beams.</li> <li>•Observe testing of beams.</li> <li>•Observe maturity meter readings at time of beam breaks.</li> <li>•Review Maturity - Strength Development MOR - CPL form.</li>   <li>•Review Maturity - Field Data form.</li> <li>•Review Validation of Maturity Curve form.</li> </ul>	Construction/PCC I  District Materials Engr.  Construction/PCC I District Materials Engr.	<b>When available</b>  Review each curve for each mix. Review each form. Review each validation.
5. Field Maturity Testing	<ul style="list-style-type: none"> <li>•Observe placement of maturity probes per <a href="#">Materials IM 383</a>.</li> <li>•Observe contractor maturity meter readings</li> </ul>	Construction PCC I	Observe readings from continuous monitoring device once per project.
6. Test Equipment	<ul style="list-style-type: none"> <li>•Inspect test equipment <b>to ensure in good working order and lab has been qualified.</b></li> </ul>	Construction PCC I & AGG II	<b>During startup and when problems arise</b>
7. Audit Checks and Test results in Plant Book	<ul style="list-style-type: none"> <li>•Check for proper completion of Daily Plant Checklist and Plant Site Inspection List.</li> <li>•Observe record of test results for moistures and specific gravities.</li> </ul>	Construction PCC II	Weekly
8. Material certifications	Check certifications for: <ul style="list-style-type: none"> <li>•Cement</li> <li>•Fly Ash</li> <li>•GGBFS (Slag)</li> <li>•Aggregates</li> <li>•Admixtures</li> </ul>	Construction PCC II	<b>During visits</b>

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9. Observe aggregate moisture and specific gravity testing	<ul style="list-style-type: none"> <li>•Observe CPI perform test in accordance with <a href="#">Materials IM 307</a> and <a href="#">IM 308</a>.</li> </ul>	Construction PCC II	<b>1/project</b>
10. Plant proportion control	<ul style="list-style-type: none"> <li>•Observe delivery tolerance.</li> <li>•Observe scale sensitivity.</li> <li>•Observe admixture dispenser operation.</li> <li>•Check for proper batch proportions on computer generated or hand written batch tickets</li> </ul>	Construction PCC II	Once during first week of production
11. Observe mix times and number of revolutions	<ul style="list-style-type: none"> <li>•Per <a href="#">Article 2001.21</a>.</li> </ul>	Construction PCC II	Once per pour
12. Audit Daily Diary	<ul style="list-style-type: none"> <li>•Review for proper recording of events.</li> </ul>	Construction PCC II	<b>During visits</b>
13. Plant Reports	<ul style="list-style-type: none"> <li>•Check for proper project and mix identification.</li> <li>•Check for dates and report number.</li> <li>•Review batch weights and aggregate gradations.</li> <li>•Check materials brands and sources.</li> <li>•Check for correct concrete and cement totals (daily, weekly, and to date).</li> <li>•Check for appropriate Plant Inspector signature or initials.</li> <li>•Sign report after review.</li> <li>•Check for hard copy or electronic backup of files</li> </ul>	Construction PCC II	Weekly
14. Inspect Transit Mixers	<ul style="list-style-type: none"> <li>•Inspect for buildup in drum per <a href="#">Article 2001.21 B</a>.</li> <li>•Inspect for fin wear or broken fins per <a href="#">Article 2001.21 B</a>.</li> <li>•Check for current truck certification per <a href="#">Article 2001.21 B</a>.</li> </ul>	Construction PCC II	1/Month
15. Inspect plant facility	<ul style="list-style-type: none"> <li>•Observe plant calibration to assure compliance with <a href="#">Materials IM 527</a>.</li> <li>•Check lab qualifications.</li> <li>•Inspect test equipment.</li> </ul>	District Materials PCC II	Central Batch/ Mobile Mixer - Beginning of project Ready Mix - Yearly