

SUMMARY OF CHANGES 2025

Updates for the 18th edition NPCA QC Manual QCM-001

Posting of November 1, 2024

During the 2024 NPCA Committee Week, the NPCA QA/QC Committee updated the NPCA Quality Control Manual for Precast Concrete Plants in a number of sections.

The format for notifying members and certified plants of these changes will be via the NPCA Certification Express or Precast Express email blast tool. Members and certified plants will be notified of changes in multiple emails distributed to the designated primary contact and liaison to the auditor. A letter outlining changes will not be mailed to the liaison to the auditor for each certified plant location this year.

The 18th edition of the Quality Control Manual will include several changes and editorial updates including the addition of a product listing for precast concrete residential storm shelters that take effect at the start of the 2025 program year. Please see the posted manual for editorial changes indicated in red highlighted text. Members will have the opportunity to review and comment on the changes during a 60-day comment period from Nov. 1, 2024 to Dec. 31, 2024.

The table of contents has been renumbered as required to accommodate the changes in language throughout the manual as detailed below.

FOREWORD:

Updated the Quality Assurance Committee roster to reflect the membership of the 2023 – 2024 committee members and the edition of the manual.

Chapter 1 - General

Section 1.1.3.2a QC Personnel Training Commentary:

Text added:

COMMENTARY

Additional training and / or certification for concrete testing (SCC for example) should be considered and aligned with project specifications when applicable.

Section 1.1.4 Continuous Improvement:

Add clarification and language regarding semi-annual self-audits and the portal.

2. Perform semi-annual self-audits using the self-audit tool available in the myNPCA Producer Portal or using a plant generated equivalent self-audit tool and uploading results into the myNPCA Producer Portal.

See Part 2.5 of the Plant Terms and Conditions regarding the scoring of Continuous Improvement activities.

Chapter 3 – Concrete

Section 3.1.1.5 Mix Compatibility When Using Face Mix – Moved to 6.7.2.1, Section was renumbered.

Section 3.1.5 Admixtures – Removed second paragraph (redundant with 3.2.4.1)

Chapter 4 – Production Practices

Section 4.1.3 Machine-Made and/or Dry-Cast Products

Paragraph 2 – Now 4.1.3.1 Pre-check Actions

Paragraph 4 – Now 4.1.3.2 Post-check Actions

Chapter 5 – Quality Control Operations

Section 5.1.3 Equipment Calibration Records

Added unless otherwise specified to sentence three.

Pulled Air meter calibration requirement to follow bulleted listing. Three-month interval requirement for calibration.

5.3.5.6 Calibrated Impact Hammer

Revised and clarified language.

5.3.6.3 Plant Requirements

Added to requirement; ...in accordance with ASTM C1231,

Chapter 6 – Special Requirements for Specific Products

Section 6.2.1.3 Absorption Testing:

Removed Critical Requirement

Section 6.2.2.3 Absorption Testing:

Removed Critical Requirement

Section 6.3.3.1 Absorption Testing:

Removed Critical Requirement

Minor editorial changes.

Section 6.7.2.1 Mix Compatibility When Using Face Mix

Moved from Section 3.1.1.5 and renumbered section.

Moved entire section requirements and commentary from chapter 4 (Section 4.1.6) no changes to content have been made.

Plant Terms and Conditions

Editorial changes: Added Optional Product Listing for Precast Concrete Residential Storm Shelters