

Annual Precast Concrete Plant Approval Checklist

Plant Name: _____

Plant Location: _____

Plant Number: _____

Date of Inspection: _____

Plant Records

Yes / No

___ ___ Md. Approved plant certification package in 3 ring binder, and on file,

Available for review

___ ___ Md. Approved Quality Control Plan on file and available for review

___ ___ Md. Approved mix designs on file and available for review

___ ___ Cement certifications on file and available for review

___ ___ Alkali-Silica Reactivity test results on file and available for review

___ ___ Pozzolan certifications on file and available for review

___ ___ Steel certifications on file and available for review

___ ___ Buy American Steel Statement on file and available for review

___ ___ Admixture certifications on file and available for review

___ ___ Aggregate certifications on file and available for review

___ ___ Daily gradations on file and available for review

___ ___ Shipping invoices on file and available for review

___ ___ Compressive strength test history on file and available for review

___ ___ Technician certifications posted and available for review

Yes / No

- Pre-pour/Post Pour checklists on file and available for review
- Form release agent certifications on file and available for review
- NPCA inspection on file and available for review...Date: _____

Remarks: _____

Cement

Yes / No

- Are storage facilities in good condition?
- Are mechanical vibrators in good working condition?
- Is weigh hopper equipped for test weights?
- Have mixer blades been checked for wear?
- Does mixer have approved timing device?
- Are temperature probes installed to verify cement temperatures?
- Are temperature probes visible to state representative?

Remarks: _____

Admixtures

Yes / No

- Have admixtures been tested and approved?
- Are dispensers visible, easy to read?
- Have dispensers been calibrated?...Calibration date: _____
- Are admixtures prevented from freezing during cold weather?

Remarks: _____

Water

Yes / No

___ ___ Has water been tested and approved?

___ ___ Is there a means to heat the water the cold weather?

___ ___ Is there a temperature probe installed to verify water temperatures?

___ ___ Is temperature probe visible to state representative?

___ ___ Has water meter been calibrated?...Calibration date: _____

Remarks: _____

Aggregates

Yes / No

___ ___ Are stockpiles on prepared areas?

___ ___ Are stockpiles built on layers of not more than 5 feet?

___ ___ Are bins separated to prevent intermingling?

___ ___ Are stockpiles free-draining?

___ ___ Are there means to keep aggregates S.S.D.?

___ ___ Is weigh hopper equipped for test weights?

Remarks: _____

Scales

Yes / No

___ ___ Are scales visible to state representative?

___ ___ Are scales zeroed?

___ ___ Do weigh hoppers empty completely?

___ ___ Have scales been checked and certified by a certified scale company?

Certification date: _____

Remarks: _____

Quality Control Laboratory

Yes / No

___ ___ Is plant equipped with sampling devices?

___ ___ Is testing equipment in good condition?

___ ___ Has air meter been calibrated?...Calibration date: _____

___ ___ Has concrete compressive strength machine been calibrated?...Date _____

___ ___ Are concrete cylinders being constructed and handled properly?

___ ___ Are proper testing procedures being followed as per approved QC Plan?

Remarks: _____

Reinforcing Steel/ Forms

Yes / No

___ ___ Is reinforcing steel being stored properly?

Yes / No

___ ___ Do forms appear to be in good working condition?

Remarks: _____

Curing

Yes / No

___ ___ Are approved curing methods in place and being followed?

___ ___ In case of a failure, is there a backup plan?

___ ___ Are thermometers in place to record high / low temperatures during
The curing period?

___ ___ Are test cylinders properly cured and stored in a safe location?

Remarks: _____

Storage

Yes / No

___ ___ Is finished product stored in a safe position / location?

___ ___ Is finished product marked properly for identification and shipment?

Remarks: _____

State Representative: _____

Plant Q.C. Representative: _____