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Implement Contingency Pour Plan: No Cold Joints Checklist

Implement Contingency Pour Plan for interruptions, avoiding cold joints, with an interactive checklist that is commentable and exportable easily as PDF/Excel.

Project:
Date:
Filled by:

Pre-Pour Contingency Setup	
1	Confirm contingency materials within reach and ready for immediate deployment.
2	Inventory and stage tarps, damp burlap, foggers, spare vibrators, generator, lighting, and pre-cut stop-ends within 10 m of pour; photograph setup and record serials/lot numbers.
3	Brief crew on interruption roles and thresholds; record toolbox talk attendance with 100% crew signatures and a time-stamped photo of the briefing.
4	Test internal vibrators with a tachometer; confirm 150–200 Hz per manufacturer; log readings and upload photos of instruments and nameplates.
5	Pre-install stop-end bulkhead hardware at nominated joint locations; verify alignment within ±5 mm and clean surfaces; capture photos and supervisor approval.

Interruption Detection and Response	
6	Assign timekeeper to log truck arrivals and pump output; escalate if placement gap exceeds project limit or 10 min; upload the timestamped log.
7	On stoppage, cover exposed surface within 3 min using damp burlap and plastic; ensure 150 mm overlaps; add time-stamped photos showing full coverage.
8	Record ambient and surface temperature with IR thermometer and wind speed with anemometer; trigger added protection if T > 30 °C or wind > 5 m/s; upload readings.
9	Notify batch plant to switch to approved retarded mix pending restart; attach batch tickets showing dosage per approved project specifications.

Cold Joint Prevention Measures	
10	If delay likely extends, install the stop-end bulkhead within 10 min; square the edge; photograph location tied to gridlines for traceability.
11	Revibrate along the live edge at 0.5 m spacing every 10 min to close micro-voids; penetrate 50–100 mm into placed layer; log times and areas.
12	Before restart within allowable window, wet the live edge by light fogging only; avoid surface water; upload photos confirming no laitance puddling.
13	If beyond allowable window, treat as construction joint: remove laitance by high-pressure water ≥ 14 MPa and brushing; achieve SSD surface; upload close-up photos.

Recovery and Restart Procedures	
14	Flush and re-prime pump line; dispose primer per environmental plan; record pump pressure baseline and confirm no blockage; upload gauge photo.
15	Resume placing against edge with controlled drop < 0.5 m; insert vibrator through new into previous layer by ≥ 100 mm; video/photo showing technique.
16	Verify reinforcement and embeds near joint are undisturbed; measure cover and alignment (tolerance ±5 mm); photograph gauges and any repairs.
17	Test first restart load: slump to ±10 mm of target or flow table ±10 mm; record temperature 20 ± 5 °C; attach test sheets and photos.
18	Cast additional early-age compressive specimens from restart load; label as contingency lot; cure at 20 ± 2 °C; upload sampling log and labels.
19	Apply curing uniformly at 0.3–0.5 L/m² once sheen disappears; verify with wet film gauge; upload coverage photos and gauge readings.

Documentation and Sign-Off	
20	Complete interruption report within 30 min of restart: cause, times, decisions, materials adjustments; attach photos, readings, and plant notifications.
21	Update plan drawing with recovery zone coordinates; mark dimensions; link the digital report via QR; verify location accuracy within ±0.5 m.
22	Obtain digital sign-off from QA/QC, superintendent, and client rep; archive approval trail per approved project specifications and authority requirements.
23	After 24 h, inspect interface: seam width < 2 mm and solid hammer tone; document findings; raise corrective action if outside acceptance.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Implement Contingency Pour Plan is your focused guide to managing concrete pour interruptions, avoiding cold joints, and documenting recovery actions when placement deviates from the plan. This checklist targets pour interruption management, cold joint prevention, and recovery documentation only—standard pours are excluded. You'll set thresholds, mobilize temporary measures, and verify consolidation so interfaces remain monolithic. When stoppages extend, you'll formalize a construction joint, clean and condition the surface, and restart with controlled procedures and measurable evidence. The outcome is a traceable, defensible record that demonstrates compliance with approved project specifications and authority requirements, including photos, readings, and digital signatures. Use it before risk windows open (e.g., weather, logistics), during a stoppage, and immediately after restart to capture all decisions and proof. Switch on interactivity to tick items, add comments, assign actions, and export PDF/Excel with a secure QR link.	1. Preparation: gather IR thermometer, anemometer, tachometer, tarps, damp burlap, foggers, spare vibrators, pre-cut stop-ends, curing compound, markers, and PPE; confirm device batteries and camera time-sync for evidence. 2. Open the interactive checklist, select structure and pour area, set the interruption thresholds, and assign roles to team members inside the app. 3. During an interruption, tick relevant actions in real time, add comments, and upload time-stamped photos, readings, and batch tickets from mobile devices. 4. Use mentions to route tasks to responsible persons, set due times, and capture their confirmations with in-app acknowledgments. 5. After restart and inspections, export the record as PDF/Excel, generating a QR code for posting on the site board and plans. 6. Sign-Off: capture digital signatures from QA/QC, superintendent, and client representative; lock the record to prevent edits. 7. Archive to the project folder structure and tag for lessons learned so future contingency setups are faster and more effective.