### Process Information

1. Type of batching:
   - [ ] Wet (Rotary mixing trucks)
   - [ ] Dry (Flat bed trucks with segregated material compartments)
   - [ ] Central mix (Batching at plant site)
   - [ ] Other (specify) _________________________

2. Raw materials that will be handled:
   - [ ] coarse aggregate
   - [ ] portland cement washed
   - [ ] fine aggregate
   - [ ] fly ash washed
   - [ ] lime
   - [ ] admixtures
   - [ ] other (specify) _________________________

3. Maximum plant production rate and operating hours:
   - __________ yd$^3$/yr
   - __________ yd$^3$/hr
   - __________ hrs/yr
   - __________ hrs/day

4. Water sprays will be used at the following locations:
   - Yes       No
   - Stockpiles
   - Aggregate bins
   - Conveyor transfer points

5. Cement received by:
   - [ ] Rail Car
   - [ ] Truck
   - [ ] Other (specify)__________________________

6. Portland cement is transferred from delivery vehicle to cement storage silo by (give maximum capacity in lb/hr):
   - [ ] Pneumatic conveying system __________
   - [ ] Elevator
     - [ ] screw _______________________
     - [ ] bucket _______________________
   - [ ] Other (specify) ___________________

7. A baghouse is used on the cement silo vent:
   - [ ] Yes (submit Form 10)
   - [ ] No

8. Cement is transferred from cement storage silo to cement surge hopper by (maximum feed rate lb/hr):
   - [ ] Pneumatic transfer system ________________
   - [ ] Gravity feed ________________
   - [ ] Screw Conveyor ________________
   - [ ] Bucket elevator ________________
   - [ ] Other (specify) ___________________
<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
</table>
| 9. Cement weigh hopper is loaded by: | □ Gravity feed  
 □ Pneumatic conveyor  
 □ Screw conveyor  
 □ Other (specify) _____________ |
| 10. The cement weigh hopper will be vented to the: | □ Cement silo  
 □ Baghouse (submit Form 10)  
 □ Discharge spout  
 □ Other ______________________ |
| 11. Aggregate received by: | □ Rail car  
 □ Truck  
 □ Other (specify) ______________ |
| 12. If aggregate storage bins are used, how is aggregate transferred to storage bin: | □ Covered conveyor belt  
 □ Uncovered conveyor belt  
 □ Other: __________________ |
| 13. Fly ash received by: | □ Rail car  
 □ Truck  
 □ Other (specify) ______________ |
| 14. Fly ash is transferred from deliver vehicle to storage (maximum capacity in lb/hr): | □ Pneumatic conveying system __________  
 □ Elevator  
 □ screw __________  
 □ bucket __________ |
| 15. Admixture ingredients: | |
| 16. Admixtures received by: | □ Rail car  
 □ Truck  
 □ Other (specify) ____________________ |
| 17. Admixtures are stored in: | |
| 18. Admixtures are transferred from delivery vehicle to storage (maximum capacity in lb/hr): | □ Pneumatic conveying system __________  
 □ Elevator (screw) __________  
 □ bucket __________  
 □ Other (specify) ____________________ |
| 19. The batch drop point to the truck or central mixer will be controlled to prevent dust emissions by: | □ Shroud with exhaust air suction to baghouse (submit Form 10 also)  
 □ Flexible discharge spout  
 □ Other type of control device (explain in detail) |
## Equipment

<table>
<thead>
<tr>
<th>Qty</th>
<th>Type</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wet Batch Plants</td>
<td>Capacity ______ yd³/hr</td>
</tr>
<tr>
<td></td>
<td>Central Mix Batch Plant</td>
<td>Capacity ______ yd³/hr</td>
</tr>
<tr>
<td></td>
<td>Front End Loader</td>
<td>Usage ______ hr/day</td>
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<tr>
<td></td>
<td>Hoppers</td>
<td>Controlled by:</td>
</tr>
<tr>
<td></td>
<td>Aggregate Conveying System</td>
<td>Covered: Length ______ ft</td>
</tr>
<tr>
<td></td>
<td>Cement Conveying System</td>
<td>Pneumatic: ______ lb/hr</td>
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<tr>
<td></td>
<td></td>
<td>Screw: ______ lb/hr</td>
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<tr>
<td></td>
<td></td>
<td>Bucket: ______ lb/hr</td>
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<tr>
<td></td>
<td>Elevators</td>
<td>Screw: ______ lb/hr</td>
</tr>
<tr>
<td></td>
<td>Fly Ash Storage Silos</td>
<td>Volume ______ ft³</td>
</tr>
<tr>
<td></td>
<td>Cement Storage Silos</td>
<td>Volume ______ ft³</td>
</tr>
<tr>
<td></td>
<td>Other Storage Silos</td>
<td>Material: Volume ______ ft³</td>
</tr>
<tr>
<td></td>
<td>Coarse Aggregate Storage Piles</td>
<td>Size: ______ yd³</td>
</tr>
<tr>
<td></td>
<td>Fine Aggregate Storage Piles</td>
<td>Size: ______ yd³</td>
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<tr>
<td></td>
<td>Other Storage Piles</td>
<td>Material: Size: ______ yd³</td>
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<tr>
<td></td>
<td>Storage Bins</td>
<td>Material: Size: ______ ft³</td>
</tr>
<tr>
<td></td>
<td>Mixers</td>
<td>Volume: ______ yd³</td>
</tr>
<tr>
<td></td>
<td>Generators</td>
<td>Size: Fuel: Hrs/day: Days/yr:</td>
</tr>
</tbody>
</table>

## Emissions Calculations (PTE)

21. Calculated emissions for this device

PM\textsubscript{10} ______ Lbs/hr ______ Tons/yr
NO\textsubscript{x} ______ Lbs/hr ______ Tons/yr
SO\textsubscript{x} ______ Lbs/hr ______ Tons/yr
CO ______ Lbs/hr ______ Tons/yr
VOC ______ Lbs/hr ______ Tons/yr
HAPs ______ Lbs/hr (speciate) ______ Tons/yr (speciate)

Submit calculations as an appendix.
Instructions Form 14 - Concrete Batch Plants

NOTE: 1. **Submit this form in conjunction with Form 1 and Form 2.**
   2. To relocate a concrete batch plant, which is already permitted submit Form 15b – Notice of Temporary Relocation of Portable Equipment.
   3. Call the Division of Air Quality (DAQ) at (801) 536-4000 if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

1. Mark the appropriate box for the kind of batching done at the facility.
2. Mark the appropriate box for kind of materials to be used.
3. Indicate the plant production rate and operating hours.
4. Indicate where water sprays will be used for emission controls.
5. How is the cement received?
6. How is the cement transferred from delivery vehicle to the silo. Indicate the maximum rate at which it can be unloaded.
7. Indicate whether or not a baghouse is used. If yes, also submit Form 10 with this application.
8. How is the cement transferred from the solo to the hopper and at what rate?
9. How is the cement weigh hopper loaded?
10. To where is the cement weigh hopper vented?
11. How is the aggregate received?
12. How is the aggregate transferred to storage bins?
13. How is fly ash received?
14. How is fly ash transferred to storage?
15. What admixture ingredients are used?
16. How are the admixture ingredients received?
17. How are the admixture ingredients stored?
18. How are admixtures transferred?
19. What is the control on the batch drop point to the truck or central mixer? If a baghouse is used, also submit Form 10.
20. Indicate the number and type of equipment that will be used in the facility. Give specifications on the individual pieces of equipment. Attach additional sheets of paper, if necessary.
21. Supply calculations for all criteria pollutants and HAPs. Use AP42 or Manufacturers data to complete your calculations.