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| DOTLOGO2 | **Water/Cement Ratio Worksheet** |
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| Date: (mm/dd/yyyy) |       | Ticket No.: |       |
|  |
| Producer No.: |       | Contract No.: |       |
|  |
| Producer Name: |       | Contractor Name: |       |
|  |
| Mix Design No.: |       | Resident Engineer: |       |
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| PCC Level II: |       | Level II Employer: |       |
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| Department Inspector at Plant: |       | Inspector Employer: |       |
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| 1. | Total Cement plus Finely Divided Minerals\*, lb/yd3 (kg/m3)  \* Fly Ash, Ground Granulated Blast-Furnace Slag, Microsilica, High Reactivity Metakaolin |       | lb/yd3 (kg/m3) |
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| 2. | Maximum water/cement ratio  |       |  |
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| 3. | Maximum Allowable Water, gal/yd3 (L/m3)  English: (Line 1 × Line 2) ÷ 8.33 Metric: Line 1 × Line 2 |       | gal/yd3 (L/m3) |
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| 4. | Batch Size, yd3 (m3)  |       | yd3 (m3) |
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| 5. | Water in Fine Aggregate per Batch, gal (L)  |       | gal (L) |
|  |  English: {[(%FA Moisture ÷ 100) × FA lb/yd3] × Line 4} ÷ 8.33 Metric: [(%FA Moisture ÷ 100) × FA kg/m3] × Line 4 Moisture can be positive (+, excess water) or negative (-, short water) |  |  |
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| 6. | Water in Coarse Aggregate per Batch, gal (L)  |       | gal (L) |
|  |  English: {[(%CA Moisture ÷ 100) × CA lb/yd3] × Line 4} ÷ 8.33 Metric: [(%CA Moisture ÷ 100) × CA kg/m3] × Line 4 Moisture can be positive (+, excess water) or negative (-, short water) |  |  |
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| 7. | Water in Admixtures per Batch, gal (L)  English: {[0.7(d1 + d2 + d3 + …) × (Line 1 ÷ 100)] ÷ 128} × Line 4 Metric: {[0.7(d1 + d2 + d3 + …) × (Line 1 ÷ 100)] ÷ 1000} × Line 4 Where *d1*, *d2* , *d3* , etc. is the dosage rate, oz/cwt (ml/100 kg), of each admixture. Note: 0.7 is the admixture water content factor. Use 0.5 for latex admixtures. |       | gal (L) |
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| 8. | Plant Water per Batch, gal (L)  (Design Water Requirement, gal (L) × Line 4) - (Line 5 + Line 6 + Line 7) |       | gal (L) |
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| 9. | Wash Water in Truck per Batch, gal (L)  Truck mixer shall discharge all wash water. | 0.0 | gal (L) |
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| 10. | Total Water in Batch, gal (L)  Line 5 + Line 6 + Line 7 + Line 8 + Line 9 |       | gal (L) |
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| 11. | Maximum Water Allowed per Batch, gal (L)  Line 3 × Line 4 |       | gal (L) |
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| 12. | Maximum Additional Water Allowed per Batch, gal (L)  Line 11 - Line 10 |       | gal (L) |
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| 13. | Water Added to Batch at Jobsite, gal (L)  |       | gal (L) |
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| 14. | Water in Admixture(s) Added to Batch at Jobsite, gal (L)  Refer to Line 7 for calculation. |       | gal (L) |
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| 15. | Total Water in Batch at Jobsite, gal (L)  Line 10 + Line 13 + Line 14 |       | gal (L) |
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