



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 01

Plant Name: ERM1.05.601 Heidelberg Materials F-5 @ Winfield, WV

Last Inspection: 08/11/2023

Sticker Expires: 2/11/2024

Standard Deviation: 626.14

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000467	601.002.022 Concrete, Class DC	06/24/2023	705	705
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----- Evaluation of Cement Requirements -----

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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14 4500 1.557 3.313 846.57 5818.11 < 6600.71 < 7304.69

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000471	601.002.003 Concrete, Class B	07/01/2023	545	545
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----- Evaluation of Cement Requirements -----

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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23 3000 1.515 3.081 677.1 4025.81 < 4802.61 < 5086.15

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000475	601.002.003 Concrete, Class B	07/01/2023	545	521.5
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----- Evaluation of Cement Requirements -----

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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34 3000 1.5 3 703.33 5237.06 > 5109.99 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000479	601.002.015 Concrete, Class K	07/02/2023	639	639
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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17	4000	1.538	3.202	566.34	4871.03	< 5184.71	< 5813.42
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2002586	601.002.013 Concrete, Class H		648	648
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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20	4000	1.525	3.13	775.25	5182.26	8266	6426.53
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100842	601.002.003 Concrete, Class B		600	553
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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22	3000	1.518	3.096	506.71	6256.82	> 4568.77	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100852	601.002.013 Concrete, Class H		651	651
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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41	4000	1.5	3	456.26	4684.39	6264.63	5368.78
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 01

Plant Name: ERM1.07.601 Heidelberg Materials F-7 @ Charleston, WV

Last Inspection: 08/22/2023

Sticker Expires: 2/22/2024

Standard Deviation: 749.83

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000472 601.002.003 **07/01/2023** 545 545
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 3000 1.576 3.429 824.19 4298.92 < 4817.5 < 5826.15

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2002587 601.002.013 648 648
Concrete, Class H

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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21 4000 1.521 3.112 540.27 4821.75 6920 5681.32

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2002592 601.002.013 **07/13/2023** 648 648
Concrete, Class H

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10 4000 1.604 3.615 647.69 5038.89 7871 6341.4

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2003494 601.002.004 639 639
Concrete, Class B Modified

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10 4000 1.604 3.615 1049.15 5682.84 < 5766 < 7792.68

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 01 Plant Name: MRM2.01.601 The Wells Group LLC - Madison Plant @ Madiso
 Last Inspection: 10/13/2023 Sticker Expires: 4/13/2024 Standard Deviation: 584.45 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100204 601.002.003 [REDACTED] 564 564
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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11 3000 1.588 3.51 622.49 3988.51 < 4540 < 5184.94

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100389 601.002.013 [REDACTED] 632 632
 Concrete, Class H

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 4000 1.576 3.429 531.85 4838.2 6698.33 5823.71

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

District: 01 Plant Name: MRM3.01.601 The Wells Group, Winfield WV
 Last Inspection: 11/02/2023 Sticker Expires: 5/2/2024 Standard Deviation: 730.17 Rating: A-2

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200135 601.002.003 [REDACTED] 564 564
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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33 3000 1.5 3 834.84 4252.26 < 4575.76 < 5504.52

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 01

Plant Name: RRM1.01.601 The Wells Group, LLC @ Winfield, WV

Last Inspection: 11/02/2023

Sticker Expires: 5/2/2024

Standard Deviation: 736.92

Rating: A-2

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2002600	601.002.003 Concrete, Class B	07/30/2023	546	546
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor (K_1)	Factor (K_2)	Standard Deviation (s)	(F_c+K_1s)	Average Strength(X)	(F_c+K_2s)
29	3000	1.503	3.016	902.33	4356.2	< 5141.72	< 5721.43

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2002602	601.002.015 Concrete, Class K	07/30/2023	635	635
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor (K_1)	Factor (K_2)	Standard Deviation (s)	(F_c+K_1s)	Average Strength(X)	(F_c+K_2s)
15	4000	1.549	3.27	666.95	5033.11	< 5069.33	< 6180.93

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 02

Plant Name: ATA1.01.601 Adams Trucking And Supply @ Barboursville, W

Last Inspection: 08/23/2023

Sticker Expires: 2/23/2024

Standard Deviation: 632.09

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Less than 2 inches

1465018	601.002.015 Concrete, Class K		639	615.5
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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20 4000 1.525 3.13 620.87 6110.75 > 5943.32 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1465018	601.002.015 Concrete, Class K		639	639
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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20 4000 1.525 3.13 588.95 4898.15 < 5292.25 < 5843.41

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Less than 2 inches

1465064	601.002.003 Concrete, Class B		545	498
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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10 3000 1.604 3.615 424.69 5681 > 4535.25 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1465064	601.002.003 Concrete, Class B		545	498
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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32 3000 1.5 3 430.83 5310.47 > 4292.49 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1465065	601.002.013 Concrete, Class H		636	636
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	(F_c+K1s)	Average Strength(X)	(F_c+K2s)
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37	4000	1.5	3	675.02	5012.53	6297.03	6025.06
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000414	601.002.022 Concrete, Class DC		674	674
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	(F_c+K1s)	Average Strength(X)	(F_c+K2s)
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16	4500	1.543	3.233	808.75	5747.9	< 6127.81	< 7114.69
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2003481	601.002.006 Concrete, Class B Mass, Modified	10/19/2023	564	517
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	Average Strength(X)	(F_c+K2s)	$X - (F_c+K2s)/200$
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17	4500	1.538	3.202	541.33	6598.53	> 6233.34	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 02 Plant Name: ERM1.08.601 Heidelberg Materials F-8 @ Huntington, WV
 Last Inspection: 05/15/2023 Sticker Expires: 11/15/2023 Standard Deviation: 618.53 Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000473 601.002.003 07/01/2023 545 545
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13 3000 1.565 3.365 802.44 4255.82 < 5210.77 < 5700.21

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000477 601.002.003 07/01/2023 545 545
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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17 3000 1.538 3.202 806.26 4240.03 < 5351.18 < 5581.64

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2003495 601.002.004 639 639
 Concrete, Class B Modified

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13 4000 1.565 3.365 510.74 4799.31 < 5343.46 < 5718.64

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 02

Plant Name: LCC1.01.601 The Wells Group F-1 @ Logan, WV

Last Inspection: 09/07/2023

Sticker Expires: 3/7/2024

Standard Deviation: 545.91

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100203	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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27 3000 1.507 3.034 503.66 4597.41 > 4528.1 = 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100381	601.002.015 Concrete, Class K		658	658
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 4000 1.576 3.429 640.24 5009.02 < 5662.92 < 6195.38

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100388	601.002.013 Concrete, Class H		632	632
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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15 4000 1.549 3.27 796.1 5233.16 5835 6603.25

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100395	601.002.022 Concrete, Class DC		705	658
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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11 4500 1.588 3.51 447.68 6822.27 > 6071.36 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 03 Plant Name: CCC1.01.601 The Wells Group F1 @ Ravenswood, WV

Last Inspection: 06/05/2023 Sticker Expires: 12/5/2023 Standard Deviation: 465.66 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100403	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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28 3000 1.505 3.024 422.5 3635.86 < 4239.29 < 4277.64

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100421	601.002.013 Concrete, Class H		632	632
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16 4000 1.543 3.233 301.56 4465.31 6437.5 4974.94

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

District: 03 Plant Name: CCC1.02.601 The Wells Group F2 @ Parkersburg, WV

Last Inspection: 08/16/2023 Sticker Expires: 2/16/2024 Standard Deviation: 609.85 Rating: A-2

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100404	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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42 3000 1.5 3 603.28 3904.92 < 4023.57 < 4809.84

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 03

Plant Name: SCC1.02.601 Smith Concrete F-2 @ Marietta, OH

Last Inspection: 03/18/2022

Sticker Expires: 9/18/2022

Standard Deviation: 853.10

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463290	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	(F_c+K1s)	Average Strength(X)	(F_c+K2s)
17	3000	1.538	3.202	853.1	4312.07	< 5138.82	< 5731.63
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 04 Plant Name: CCC1.03.601 The Wells Group F3 @ Bridgeport, WV
 Last Inspection: 07/07/2023 Sticker Expires: 1/7/2024 Standard Deviation: 610.55 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100409 601.002.003 564 540.5
 Concrete, Class B

----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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40 3000 1.5 3 527.39 4878.5 > 4582.17 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100411 601.002.015 658 705
 Concrete, Class K

----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K1s)-X/200
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18 4000 1.533 3.175 648.44 4605.56 < 4994.06 = 47

INCREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200178 601.002.014 07/18/2023 632 632
 Concrete, Class H Modified

----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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11 4000 1.588 3.51 691.44 5098.01 < 5900.91 < 6426.95

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 04 Plant Name: CSC1.01.601 Central Supply F-1 @ Saltwell, WV
 Last Inspection: 08/28/2023 Sticker Expires: 2/28/2024 Standard Deviation: 644.04 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1434199 601.002.003 545 545
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
37	3000	1.5	3	663.79	3995.68	< 4765.76	< 4991.37
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

District: 04 Plant Name: CSC1.02.601 Central Supply F-2 @ Westover, WV
 Last Inspection: 08/24/2023 Sticker Expires: 2/24/2024 Standard Deviation: 807.47 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1434193 601.002.003 07/06/2023 545 545
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
40	3000	1.5	3	797.7	4196.55	< 4889.25	< 5393.1
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1436404 601.002.015 05/14/2023 636 636
 Concrete, Class K

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
11	4000	1.588	3.51	1076.72	5709.83	< 5746.36	< 7779.29
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 04

Plant Name: RDR1.01.601 R.D.R. Energy Resources

Last Inspection: 10/23/2023

Sticker Expires: 4/23/2024

Standard Deviation: 625.14

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100211	601.002.003 Concrete, Class B		550	550
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor (K_1)	Factor (K_2)	Standard Deviation (s)	(F_c+K_1s)	Average Strength(X)	(F_c+K_2s)
14	3000	1.557	3.313	858.46	4336.62	< 5292.86	< 5844.08

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2300368	601.002.003 Concrete, Class B		564	540.5
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor (K_1)	Factor (K_2)	Standard Deviation (s)	Average Strength(X)	(F_c+K_2s)	$X - (F_c+K_2s)/200$
27	3000	1.507	3.034	660.77	5110	> 5004.78	= 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 04

Plant Name: SAC1.01.601 Stone & Company @ Morgantown, WV

Last Inspection: 06/30/2023

Sticker Expires: 12/30/2023

Standard Deviation: 781.32

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100405	601.002.003 Concrete, Class B	05/18/2023	564	517
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor (K_1)	Factor (K_2)	Standard Deviation (s)	Average Strength(X)	(F_c+K_2s)	$X-(F_c+K_2s)/200$
35	3000	1.5	3	898.01	6046.57	> 5694.03	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2301352	601.002.003 Concrete, Class B		564	517
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor (K_1)	Factor (K_2)	Standard Deviation (s)	Average Strength(X)	(F_c+K_2s)	$X-(F_c+K_2s)/200$
18	3000	1.533	3.175	646.46	6597.22	> 5052.51	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 05

Plant Name: TBH1.01.601 Thomas, Bennet & Hunter, Inc @ Martinsburg, W

Last Inspection: 09/13/2023

Sticker Expires: 3/13/2024

Standard Deviation: 770.32

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000432	601.002.003 Concrete, Class B	06/23/2022	563	516
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength (Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength (X)	(Fc+K2s)	X-(Fc+K2s)/200
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34	3000	1.5	3	694.23	6520.47	> 5082.69	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 06 Plant Name: ERM1.04.601 Heidelberg Materials F-4 @ McMechen WV

Last Inspection: 10/26/2023 Sticker Expires: 4/26/2024 Standard Deviation: 581.85 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000444	601.002.003 Concrete, Class B	04/08/2023	564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 3000 1.576 3.429 680.39 4072.29 < 5021.67 < 5333.06

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100549	601.002.003 Concrete, Class B		545	545
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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18 3000 1.533 3.175 617.52 3946.66 < 4140 < 4960.63

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 06

Plant Name: SSC1.03.601 Smith Concrete F-3 @ Tiltonville OH

Last Inspection: 03/15/2023

Sticker Expires: 9/15/2023

Standard Deviation: 726.04

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463293 601.002.004 750 750
Concrete, Class B Modified

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
70	5000	1.5	3	694.83	7154.16	> 7084.49	= 0
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

Data Slump Greater than or equal to 2 inches

1463293 601.002.004 750 750
Concrete, Class B Modified

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
70	5000	1.5	3	694.83	7154.16	> 7084.49	= 0
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463329 601.002.003 564 564
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
14	3000	1.557	3.313	1296.19	5018.17	< 5047.86	< 7294.28
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463331 601.002.015 06/12/2023 658 658
Concrete, Class K

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
13	5300	1.565	3.365	478.13	6048.27	< 6235.38	< 6908.91
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000443	601.002.004		573	549.5
	Concrete, Class B Modified			

----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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11	4000	1.588	3.51	657.68	6485.45	> 6308.46	= 23.5
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DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							
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Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Less than 2 inches

2100560	601.002.014		750	750
	Concrete, Class H Modified			

----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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13	5000	1.565	3.365	788.91	7754.62	> 7654.68	= 0
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							
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Data Slump Greater than or equal to 2 inches

2100560	601.002.014		750	750
	Concrete, Class H Modified			

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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32	5000	1.5	3	1051.76	8156.56	> 8155.28	= 0
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							
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Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Less than 2 inches

2300375	601.002.004		750	726.5
	Concrete, Class B Modified			

----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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11	5000	1.588	3.51	775.65	7841.82	> 7722.53	= 23.5
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DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							
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Data Slump Greater than or equal to 2 inches

2300375	601.002.004		750	750
	Concrete, Class B Modified			

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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18	5000	1.533	3.175	858.62	6316.26	< 7036.67	< 7726.12
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							
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PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 06

Plant Name: WIC1.01.601 Weirton Ice & Coal @ Weirton, WV

Last Inspection: 10/02/2023

Sticker Expires: 4/2/2024

Standard Deviation: 629.06

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463244	601.002.003 Concrete, Class B		564	517
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	Average Strength(X)	(F_c+K2s)	$X-(F_c+K2s)/200$
22	3000	1.518	3.096	497.41	5816.82	> 4539.98	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 07 Plant Name: ACX1.01.601 Central Supply F-8 @ Buckhannon, WV

Last Inspection: 08/28/2023 Sticker Expires: 2/28/2024 Standard Deviation: 697.65 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1434200	601.002.003 Concrete, Class B		545	545
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength (F _c)	Factor (K ₁)	Factor (K ₂)	Standard Deviation (s)	(F _c +K ₁ s)	Average Strength (X)	(F _c +K ₂ s)
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13	3000	1.565	3.365	714.52	4118.22 <	5136.92 <	5404.36
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 08 Plant Name: CSC1.03.601 Central Supply F-3 @ Elkins, WV

Last Inspection: 09/01/2023 Sticker Expires: 3/1/2024 Standard Deviation: 593.60 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1434201	601.002.003 Concrete, Class B	03/05/2023	545	521.5
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
16	3000	1.543	3.233	581.63	5133.75	> 4880.41	= 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26
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Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Less than 2 inches

1436389	601.002.015 Concrete, Class K		636	589
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
32	4000	1.5	3	637.31	6295.31	> 5911.93	= 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26
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Data Slump Greater than or equal to 2 inches

1436389	601.002.015 Concrete, Class K		636	636
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
36	4000	1.5	3	747.9	5121.85	< 5888.06	< 6243.7

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1436443	601.002.013 Concrete, Class H	07/17/2023	628	628
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16	4000	1.543	3.233	494.16	4762.49	6640.62	5597.62
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Less than 2 inches

2301343	601.002.015 Concrete, Class K		618	571
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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12	4000	1.576	3.429	333.92	5774.17	> 5145.01	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

2301343	601.002.015 Concrete, Class K		618	618
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	523.2	4839.21	< 5739	< 5891.37
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 08 **Plant Name:** CSC1.16.601 Central Supply F-16 @ Parsons, WV

Last Inspection: 09/15/2023 **Sticker Expires:** 3/15/2024 **Standard Deviation:** 596.73 **Rating:** A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1465021	601.002.013 Concrete, Class H	07/17/2023	345	345
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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21	4000	1.521	3.112	463	4704.22	6424.76	5440.86
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 08

Plant Name: FCC1.06.601 Fairfax Materials @ Parsons, WV

Last Inspection: 03/27/2023

Sticker Expires: 9/27/2023

Standard Deviation: 412.72

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100542	601.002.003 Concrete, Class B		564	517
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
11	3000	1.588	3.51	289.32	4545.45	> 4015.51	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2100840	601.002.004 Concrete, Class B Modified		555	555
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
26	4000	1.508	3.044	475.56	4717.14	< 4812.69	< 5447.6
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200183	601.002.004 Concrete, Class B Modified		564	564
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
68	4000	1.5	3	434.8	4652.2	< 4746.32	< 5304.4
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 09 Plant Name: BMC1.05.601 Central Supply F-13 @ Alta, WV

Last Inspection: 11/14/2023 Sticker Expires: 5/14/2024 Standard Deviation: 668.24 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1434221 601.002.003 04/01/2023 543 496
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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31 3000 1.5 3 789.77 6157.1 > 5369.31 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463335 601.002.003 04/30/2022 545 545
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13 3000 1.565 3.365 897.5 4404.59 < 5001.54 < 6020.09

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200103 601.002.003 564 517
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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18 3000 1.533 3.175 504.04 5371.11 > 4600.33 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 10 Plant Name: BMC1.03.601 Central Supply F-11 @ Princeton, WV

Last Inspection: 05/17/2023 Sticker Expires: 11/17/2023 Standard Deviation: 611.57 Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1432575 601.002.003 06/06/2022 543 496
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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10 3000 1.604 3.615 305.51 5330 > 4104.42 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463301 601.002.003 545 545
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 3000 1.576 3.429 726.79 4145.42 < 4679.17 < 5492.16

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200112 601.002.003 564 564
Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13 3000 1.565 3.365 705.93 4104.78 < 4555.38 < 5375.45

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200142	601.002.003 Concrete, Class B		564	517
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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13	3000	1.565	3.365	313.67	4780.77	> 4055.5	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200156	601.002.013 Concrete, Class H		632	632
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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22	4000	1.518	3.096	808.57	5227.41	6543.18	6503.33
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

District: 10 Plant Name: DHC1.02.601 Central Supply @ Mabscott, WV

Last Inspection: 05/18/2023 Sticker Expires: 11/18/2023 Standard Deviation: 363.22 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463299	601.002.003 Concrete, Class B		545	545
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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18	3000	1.533	3.175	540.99	3829.34	< 4034.44	< 4717.64
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2200167	601.002.013 Concrete, Class H		632	632
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	258.79	4415.1	7368	4935.53
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 11/17/2023

District: 10 Plant Name: ECI1.01.601 Eastern Concrete Pinville WV
 Last Inspection: 04/26/2022 Sticker Expires: 10/26/2022 Standard Deviation: 436.71 Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463324 601.002.003 [REDACTED] 545 498
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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10 3000 1.604 3.615 562.02 5418 > 5031.7 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

District: 10 Plant Name: JRM1.01.601 Jowar Ready Mix @ laeger, WV
 Last Inspection: 09/28/2023 Sticker Expires: 3/28/2024 Standard Deviation: 515.53 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463341 601.002.003 [REDACTED] 615 591.5
 Concrete, Class B

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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27 3000 1.507 3.034 543.46 4795.56 > 4648.86 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

2000463 601.002.013 [REDACTED] 632 632
 Concrete, Class H

<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 4000 1.576 3.429 359.6 4566.73 5772.5 5233.07

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H