



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 01

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

Last Inspection: 02/16/2023

Sticker Expires: 8/16/2023

Standard Deviation: 611.52

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 **06/24/2023** 705 705
Concrete, Class DC

<----- 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 4500 1.521 3.112 719.81 5594.83 < 6655.71 < 6740.05

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 601.002.003 545 498
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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13 3000 1.565 3.365 455.91 5020 > 4534.14 = 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

2000475 601.002.003 545 521.5
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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39 3000 1.5 3 739.62 5424.36 > 5218.86 = 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: 7/6/2023

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		639	639
Concrete, Class K				

<----- 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)
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19	4000	1.528	3.151	499.23	4762.82	< 5299.47	< 5573.07
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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

2100842	601.002.003		600	553
Concrete, Class B				

<----- 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)	$X - (F_c+K_2s)/200$
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42	3000	1.5	3	610.47	6934.29	> 4831.41	= 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		651	651
Concrete, Class H				

<----- 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)
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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: 7/6/2023

District: 01

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

Last Inspection: 02/23/2023

Sticker Expires: 8/23/2023

Standard Deviation: 696.57

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 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)
13	3000	1.565	3.365	586.31	3917.58	< 4536.92	< 4972.93
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

2000476	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)
18	3000	1.533	3.175	881.91	4351.97	< 5671.11	< 5800.06
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

2003494	601.002.004 Concrete, Class B Modified		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)
11	4000	1.588	3.51	924.87	5468.69	< 5850	< 7246.29
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 01 Plant Name: MRM2.01.601 The Wells Group LLC - Madison Plant @ Madiso
 Last Inspection: 03/02/2023 Sticker Expires: 9/2/2023 Standard Deviation: 547.13 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)
49	3000	1.5	3	608.99	3913.48	< 4815.92	< 4826.97
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)
12	4000	1.576	3.429	328.67	4517.98	6926.67	5127.01
MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H							

District: 01 Plant Name: MRM3.01.601 The Wells Group, Winfield WV
 Last Inspection: 04/26/2023 Sticker Expires: 10/26/2023 Standard Deviation: 788.82 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] 564 587.5
 Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K1s)-X/200
24	3000	1.513	3.067	936.7	4375	< 4417.23	= 23.5
INCREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 01 Plant Name: RRM1.01.601 The Wells Group, LLC @ Winfield, WV
 Last Inspection: 04/26/2023 Sticker Expires: 10/26/2023 Standard Deviation: 634.43 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

1458929 601.002.003 **08/09/2022** 543 543
 Concrete, Class B

Data Slump Greater than or equal to 2 inches

1458929 601.002.003 **08/09/2022** 543 496
 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)
12	3000	1.576	3.429	864.71	4362.78	< 5144.17	< 5965.09

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
17	3000	1.538	3.202	415.74	4740.59	> 4331.2	= 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

2002600 601.002.003 546 546
 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
31	3000	1.5	3	739.69	5222.9	> 5219.07	= 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

2002602 601.002.015 635 635
 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)
21	4000	1.521	3.112	655.52	4997.05	< 5141.43	< 6039.98

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 01

Plant Name: VBC1.03.601 The Wells Group @ Robertsburg

Last Inspection: 06/14/2023

Sticker Expires: 12/14/2023

Standard Deviation: 383.24

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

2100207	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)	$X-(F_c+K_2s)/200$
20	3000	1.525	3.13	485.29	4625.5	> 4518.96	= 23.5
DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 02

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

Last Inspection: 02/22/2023

Sticker Expires: 8/22/2023

Standard Deviation: 676.58

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	592
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Data Slump Greater than or equal to 2 inches

1465018	601.002.015 Concrete, Class K		639	639
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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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26 4000 1.508 3.044 506.79 6149.42 > 5542.67 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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 3.13 522.62 4797 < 5473.75 < 5635.8

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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Data Slump Greater than or equal to 2 inches

1465064	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)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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11 3000 1.588 3.51 509.75 5321.36 > 4789.22 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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67 3000 1.5 3 657.91 3986.86 < 4945.82 < 4973.73

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

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(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	510.05	4777.83	6361.75	5596.46
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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	05/12/2023	674	650.5
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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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10	4500	1.604	3.615	470.07	6342.5	> 6199.3	= 23.5
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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

2003481	601.002.006 Concrete, Class B Mass, Modified		564	540.5
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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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14	4500	1.557	3.313	574.06	6669.64	> 6401.86	= 23.5
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DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

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: 603.37 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

2000477 601.002.003 [REDACTED] 545 521.5
 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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19 3000 1.528 3.151 702.99 5358.95 > 5215.12 = 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

2002588 601.002.013 [REDACTED] 643 643
 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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17 4000 1.538 3.202 682.34 5049.44 7607.35 6184.85

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

2003495 601.002.004 [REDACTED] 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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14 4000 1.557 3.313 491.93 4765.94 < 5625 < 5629.76

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 02 Plant Name: LCC1.01.601 The Wells Group F-1 @ Logan, WV
 Last Inspection: 03/02/2023 Sticker Expires: 9/2/2023 Standard Deviation: 526.17 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 601.002.003 564 540.5
 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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35 3000 1.5 3 468.98 4652.57 > 4406.94 = 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

2100381 601.002.015 658 658
 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)
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12 4000 1.576 3.429 572.47 4902.21 < 5581.25 < 5963

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 601.002.013 632 632
 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 1005.92 5585.33 5969.17 7449.3

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 601.002.022 705 658
 Concrete, Class DC

<----- 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

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 02

Plant Name: TWG1.03.601 The Wells Group F-3 @ Wayne, WV

Last Inspection: 05/23/2023

Sticker Expires: 11/23/2023

Standard Deviation: 489.27

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

2100205	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 ($K1$)	Factor ($K2$)	Standard Deviation (s)	Average Strength(X)	(F_c+K2s)	$X-(F_c+K2s)/200$
12	3000	1.576	3.429	466.42	4746.67	> 4599.35	= 23.5
DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

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

Last Inspection: 12/07/2022 Sticker Expires: 6/7/2023 Standard Deviation: 449.71 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

2100403 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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45 3000 1.5 3 410.07 3615.1 < 4161.11 < 4230.21

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

2100421 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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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: 02/06/2023 Sticker Expires: 8/6/2023 Standard Deviation: 490.06 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

2100404 601.002.003 [REDACTED] 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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24 3000 1.513 3.067 349.78 4229.58 > 4072.78 = 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: 7/6/2023

District: 03 Plant Name: ERM1.06.601 Heidelberg Materials F-6 @ Parkersburg, WV
 Last Inspection: 03/23/2023 Sticker Expires: 9/23/2023 Standard Deviation: 592.43 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

2100551 601.002.003 [REDACTED] 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)
15	3000	1.549	3.27	716.87	4110.43	< 4486	< 5344.16
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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 [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)
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: 7/6/2023

District: 04

Plant Name: CCC1.03.601 The Wells Group F3 @ Bridgeport, WV

Last Inspection: 01/18/2023

Sticker Expires: 7/18/2023

Standard Deviation: 606.63

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
Concrete, Class B

564 540.5

<----- 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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36 3000 1.5 3 553.23 4765 > 4659.69 = 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
Concrete, Class K

658 681.5

<----- 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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45 4000 1.5 3 695.11 4889.56 < 5042.66 = 23.5

INCREASE 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

2200178 601.002.014
Concrete, Class H Modified

632 632

<----- 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: 7/6/2023

District: 04

Plant Name: CSC1.01.601 Central Supply F-1 @ Saltwell, WV

Last Inspection: 02/28/2023

Sticker Expires: 8/28/2023

Standard Deviation: 655.20

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 Concrete, Class B		545	498
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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)	$X-(F_c+K_2s)/200$
12	3000	1.576	3.429	474.09	5190	> 4625.65	= 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

1455036	601.002.022 Concrete, Class DC		671	671
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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)
18	4500	1.533	3.175	711.15	5590.19	< 6003.5	< 6757.9
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 04 Plant Name: CSC1.02.601 Central Supply F-2 @ Westover, WV
 Last Inspection: 02/27/2023 Sticker Expires: 8/27/2023 Standard Deviation: 725.25 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 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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44	3000	1.5	3	810.68	4216.02	< 4965.68	< 5432.04
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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 Less than 2 inches

1436404	601.002.015 Concrete, Class K	05/14/2023	636	636
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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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13	4000	1.565	3.365	705.09	5103.47	< 6262.31	< 6372.63
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1436404	601.002.015 Concrete, Class K	05/14/2023	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)
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16	4000	1.543	3.233	879.04	5356.36	< 5745	< 6841.94
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 04 Plant Name: RDR1.01.601 R.D.R. Energy Resources
 Last Inspection: 05/01/2023 Sticker Expires: 11/1/2023 Standard Deviation: 619.49 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(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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43	3000	1.5	3	762.48	4143.72	< 4674.19	< 5287.44
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 04

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

Last Inspection: 06/30/2023

Sticker Expires: 12/30/2023

Standard Deviation: 793.22

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

2100405	601.002.003 Concrete, Class B	05/18/2023	564	564
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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)
76	3000	1.5	3	877.12	4315.68	< 5229.34	< 5631.36
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: 7/6/2023

District: 05 **Plant Name:** FCC1.01.601 Fairfax Concrete F-1 @ Scherr WV
Last Inspection: 03/28/2023 **Sticker Expires:** 9/28/2023 **Standard Deviation:** 713.48 **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

2100408 601.002.014 648 601
 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
15	4000	1.549	3.27	711.61	7319.33	> 6326.96	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

District: 05 **Plant Name:** FCC1.05.601 Allegany Concrete F-5 W Short Gap WV (Transit)
Last Inspection: 04/13/2023 **Sticker Expires:** 10/13/2023 **Standard Deviation:** 606.54 **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

1463284 601.002.013 645 645
 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)
10	4000	1.604	3.615	456.81	4732.72	7962.6	5651.37
MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H							

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 05

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

Last Inspection: 03/13/2023

Sticker Expires: 9/13/2023

Standard Deviation: 811.58

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

2000432 601.002.003 **06/23/2022** 563 563
Concrete, Class B

Data Slump Greater than or equal to 2 inches

2000432 601.002.003 **06/23/2022** 563 516
Concrete, Class B

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

Pieces of Data	Design Strength(<i>F_c</i>)	Factor (<i>K1</i>)	Factor (<i>K2</i>)	Standard Deviation (<i>s</i>)	(<i>F_c+K1s</i>)	Average Strength(<i>X</i>)	(<i>F_c+K2s</i>)
18	3000	1.533	3.175	1152.95	4767.47	< 6631.11	< 6660.62

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Pieces of Data	Design Strength(<i>F_c</i>)	Factor (<i>K1</i>)	Factor (<i>K2</i>)	Standard Deviation (<i>s</i>)	Average Strength(<i>X</i>)	(<i>F_c+K2s</i>)	<i>X</i> -(<i>F_c+K2s</i>)/200
60	3000	1.5	3	741.86	6250.05	> 5225.58	= 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: 7/6/2023

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

Last Inspection: 11/10/2022 Sticker Expires: 5/10/2023 Standard Deviation: 603.10 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

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 3.175 657.37 4007.75 < 4145 < 5087.15

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

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: 676.62 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

1463293 601.002.004 [REDACTED] 750 703
 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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24 5000 1.513 3.067 560.48 7070 > 6718.99 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1463293 601.002.004 [REDACTED] 750 703
 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
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24 5000 1.513 3.067 560.48 7070 > 6718.99 = 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

1463329 601.002.003 [REDACTED] 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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85 3000 1.5 3 808.36 5659.18 > 5425.08 = 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

2100560 601.002.014 [REDACTED] 750 703
 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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32 5000 1.5 3 663.73 8306.56 > 6991.19 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 06

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

Last Inspection: 04/06/2023

Sticker Expires: 10/6/2023

Standard Deviation: 711.25

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 601.002.003 564 517
 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
29	3000	1.503	3.016	525.82	5755.17	> 4585.87	= 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

2100210 601.002.004 658 658
 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)
19	4500	1.528	3.151	932.75	5925.24	< 7029.47	< 7439.1
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: 7/6/2023

District: 07 **Plant Name:** ACX1.01.601 Central Supply F-8 @ Buckhannon
Last Inspection: 02/28/2023 **Sticker Expires:** 8/28/2023 **Standard Deviation:** 665.57 **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		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)
14	3000	1.557	3.313	700.91	4091.32	< 4965	< 5322.11
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

District: 07 **Plant Name:** CSC1.04.601 Central Supply F-4 @ Gassaway, WV
Last Inspection: 03/02/2023 **Sticker Expires:** 9/2/2023 **Standard Deviation:** 568.15 **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

1434202	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)
29	3000	1.503	3.016	567.24	3852.56	< 4482.07	< 4710.8
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: 7/6/2023

District: 08

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

Last Inspection: 03/01/2023

Sticker Expires: 9/1/2023

Standard Deviation: 658.41

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	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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17 3000 1.538 3.202 547.67 5172.35 > 4753.64 = 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 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
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31 4000 1.5 3 624.57 6196.45 > 5873.71 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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)
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34 4000 1.5 3 879.57 5319.36 < 6020.88 < 6638.71

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

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		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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15	4000	1.549	3.27	500.6	4775.43	6666	5636.96
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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

1459834	601.002.004 Concrete, Class B Modified		636	636
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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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13	4000	1.565	3.365	621.26	4972.27	< 5978.46	< 6090.54
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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: 03/01/2023 Sticker Expires: 9/1/2023 Standard Deviation: 484.52 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		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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13	4000	1.565	3.365	520.12	4813.99	6370.77	5750.2
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 08

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

Last Inspection: 03/27/2023

Sticker Expires: 9/27/2023

Standard Deviation: 442.21

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

2100840	601.002.004		555	555
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)
11	4000	1.588	3.51	494.6	4785.42	< 4976.36	< 5736.05

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		564	564
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)
25	4000	1.511	3.055	367.31	4555.01	< 4974.8	< 5122.13

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: 7/6/2023

District: 09 Plant Name: BMC1.01.601 Central Supply F-9 @ Summersville, WV

Last Inspection: 05/16/2023 Sticker Expires: 11/16/2023 Standard Deviation: 851.46 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

1434222	601.002.003 Concrete, Class B	04/01/2023	543	543
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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)
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11	3000	1.588	3.51	1040.38	4652.12	< 4725.45	< 6651.73
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 09

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

Last Inspection: 05/10/2023

Sticker Expires: 11/10/2023

Standard Deviation: 661.21

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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33 3000 1.5 3 794.44 6130.61 > 5383.32 = 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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28 3000 1.505 3.024 744.7 4120.77 < 5096.79 < 5251.97

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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15 3000 1.549 3.27 490.97 5292.67 > 4605.47 = 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: 7/6/2023

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: 682.07 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

1432575 601.002.003 06/06/2022 543 543
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 3.365 773.18 4210.03 < 5054.62 < 5601.75

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

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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30 3000 1.501 3.008 707.36 4061.75 < 4316.67 < 5127.74

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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15 3000 1.549 3.27 731.67 4133.36 < 4361.33 < 5392.56

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

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		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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13	3000	1.565	3.365	312.93	4806.15	> 4053.01	= 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		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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21	4000	1.521	3.112	997.61	5517.36	7287.14	7104.56
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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: 513.24 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

1463299	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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89	3000	1.5	3	528.41	3792.62	< 4435.73	< 4585.23
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 7/6/2023

District: 10 Plant Name: ECI1.01.601 Eastern Concrete Pinville WV
 Last Inspection: 04/26/2022 Sticker Expires: 10/26/2022 Standard Deviation: 562.72 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

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: 03/28/2023 Sticker Expires: 9/28/2023 Standard Deviation: 505.34 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 3.034 560.68 4924.07 > 4701.1 = 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