



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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: 600.04

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

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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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 **07/01/2023** 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 3.151 558.06 4899.47 > 4758.45 = 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

2000475 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)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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31 3000 1.5 3 726.39 5200.65 > 5179.17 = 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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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20	4000	1.525	3.13	480.82	4733.25	< 5368.5	< 5504.97
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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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17	4000	1.538	3.202	677.84	5042.52	8062.35	6170.44
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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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26	3000	1.508	3.044	660.56	6109.23	> 5010.74	= 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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16	4000	1.543	3.233	536.82	4828.31	7090.62	5735.54
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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

2300378	601.002.003		564	564
	Concrete, Class B			

<----- 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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16	3000	1.543	3.233	695.1	4072.54	< 4343.12	< 5247.26
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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

2301353	601.002.004		658	658
	Concrete, Class B Modified			

<----- 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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36	4000	1.5	3	639.39	5953.61	> 5918.17	= 0
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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: 1/3/2024

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: 743.13

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

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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17 3000 1.538 3.202 751.62 4155.99 < 4860.59 < 5406.69

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

2000476 601.002.003 **07/01/2023** 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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11 3000 1.588 3.51 625.12 5328.18 > 5194.17 = 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

2002587 601.002.013 **11/18/2023** 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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18 4000 1.533 3.175 543.2 4832.73 6963.33 5724.66

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

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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: 574.74 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		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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59	3000	1.5	3	602.64	3903.96	< 4797.12	< 4807.92
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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

2100389	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	531.85	4838.2	6698.33	5823.71
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

District: 01 Plant Name: MRM3.01.601 The Wells Group, Winfield WV
 Last Inspection: 11/02/2023 Sticker Expires: 5/2/2024 Standard Deviation: 719.11 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 601.002.003 564 564
 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)
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							

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: 759.88 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 07/30/2023 546 546
 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)
24	3000	1.513	3.067	928.67	4405.08	< 5042.92	< 5848.23
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: 1/3/2024

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:** 629.32 **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 Less than 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)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	629.15	5009.16	< 5834	< 6274.38
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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

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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21	4000	1.521	3.112	688.86	5047.76	< 5439.52	< 6143.73
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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

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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12	3000	1.576	3.429	392.59	5711.67	> 4346.19	= 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

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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66	3000	1.5	3	495.93	5144.47	> 4487.79	= 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: 1/3/2024

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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32	4000	1.5	3	709.84	5064.76	6305.62	6129.52
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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(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	786.87	5725.16	< 6239.64	< 7106.9
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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		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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12	4500	1.576	3.429	475.59	6409.17	> 6130.8	= 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

2100824	601.002.004 Concrete, Class B Modified		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	443.74	4699.33	< 5217.92	< 5521.58
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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: 1/3/2024

District: 02 Plant Name: ERM1.08.601 Heidelberg Materials F-8 @ Huntington, WV
 Last Inspection: 11/13/2023 Sticker Expires: 5/13/2024 Standard Deviation: 666.51 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

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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14 3000 1.557 3.313 774.82 4206.39 < 5231.43 < 5566.98

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

2002588 601.002.013 643 643
 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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14 4000 1.557 3.313 925.84 5441.53 7428.21 7067.31

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 601.002.004 639 639
 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 3.313 501.46 4780.77 < 5371.07 < 5661.34

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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: 621.32 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

2100203 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)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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26 3000 1.508 3.044 512.81 4591.92 > 4560.99 = 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 [REDACTED] 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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17 4000 1.538 3.202 612 4941.26 < 5691.47 < 5959.62

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 [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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15 4000 1.549 3.27 918.04 5422.04 6062 7001.99

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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: 474.55 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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23 3000 1.515 3.081 450.87 3683.07 < 4202.61 < 4389.13

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: 08/16/2023 Sticker Expires: 2/16/2024 Standard Deviation: 599.79 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 [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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41 3000 1.5 3 624.36 3936.54 < 4008.78 < 4873.08

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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: 982.67

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)
12	3000	1.576	3.429	982.67	4548.69	< 5055.83	< 6369.58
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: 1/3/2024

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:** 610.69 **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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41 3000 1.5 3 525.04 4868.05 > 4575.12 = 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

2100411 601.002.015 658 681.5
 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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42 4000 1.5 3 650.44 4964.05 < 4975.66 = 23.5

INCREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

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:** 724.90 **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)
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35 3000 1.5 3 672.62 4008.93 < 4792.66 < 5017.86

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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: 851.76

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

1434193	601.002.003 Concrete, Class B	07/06/2023	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)
34	3000	1.5	3	764.47	4146.7	< 4786.18	< 5293.41
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 Greater than or equal to 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)
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: 1/3/2024

District: 04

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

Last Inspection: 10/23/2023

Sticker Expires: 4/23/2024

Standard Deviation: 655.86

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)
116	3000	1.5	3	714.61	4071.92	< 4614.02	< 5143.83

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: 1/3/2024

District: 04

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

Last Inspection: 06/30/2023

Sticker Expires: 12/30/2023

Standard Deviation: 788.19

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

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(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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26	3000	1.508	3.044	940.59	6186.92	> 5863.16	= 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

2301352	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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18	3000	1.533	3.175	646.46	6597.22	> 5052.51	= 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: 1/3/2024

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: 745.54

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

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(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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26	3000	1.508	3.044	651.77	6383.69	> 4983.99	= 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: 1/3/2024

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: 616.05

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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22 3000 1.518 3.096 594.94 3903.12 < 4137.27 < 4841.93

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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: 753.73

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
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65 5000 1.5 3 676.09 7098.46 > 7028.27 = 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
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65 5000 1.5 3 676.09 7098.46 > 7028.27 = 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 601.002.003 564 517
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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113 3000 1.5 3 755.26 5653.45 > 5265.78 = 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

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)
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15 5300 1.549 3.27 450.04 5997.11 < 6256.67 < 6771.63

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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19	5000	1.528	3.151	1133.22	6731.56	< 7791.05	< 8570.78
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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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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68	5000	1.5	3	943.96	6415.94	< 7499.41	< 7831.88
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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

2300375	601.002.004		750	750
	Concrete, Class B Modified			

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

District: 06

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

Last Inspection: 10/02/2023

Sticker Expires: 4/2/2024

Standard Deviation: 626.36

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: 1/3/2024

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: 694.68

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_1s)	Average Strength(X)	(F_c+K_2s)
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15	3000	1.549	3.27	730.01	4130.79	< 5152	< 5387.13
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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: 1/3/2024

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: 663.30 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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22 3000 1.518 3.096 569.49 5160.91 > 4763.14 = 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 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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34 4000 1.5 3 635.23 6260.29 > 5905.69 = 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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44 4000 1.5 3 796.18 5194.27 < 5987.73 < 6388.54

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 1/3/2024

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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15	4000	1.549	3.27	530.67	4822.01	6592.67	5735.29
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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

1461800	679.002.002 Concrete, Microsilica		730	730
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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	1508.96	6420.37	< 7548	< 9454.89
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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

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

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: 503.08 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: 1/3/2024

District: 08

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

Last Inspection: 03/27/2023

Sticker Expires: 9/27/2023

Standard Deviation: 401.94

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 601.002.003 564 517
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 3.365 280.25 4586.92 > 3943.04 = 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 601.002.004 555 555
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)
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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 601.002.004 564 564
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)
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62 4000 1.5 3 399.32 4598.98 < 4807.9 < 5197.96

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: 1/3/2024

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: 641.91 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

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

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: 1/3/2024

District: 10

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

Last Inspection: 11/17/2023

Sticker Expires: 5/17/2024

Standard Deviation: 657.92

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

1463301	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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10	3000	1.604	3.615	688.37	4104.15 <	4524 <	5488.46
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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

2200112	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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14	3000	1.557	3.313	703.24	4094.94 <	4505.71 <	5329.83
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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

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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14	3000	1.557	3.313	304.74	4792.86 >	4009.6 =	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: 1/3/2024

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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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: 11/18/2023 Sticker Expires: 5/18/2024 Standard Deviation: 342.88 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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11	3000	1.588	3.51	560.07	3889.39	< 4017.27	< 4965.85
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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		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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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: 1/3/2024

District: 10 Plant Name: ECI1.01.601 Eastern Concrete Pinville WV
 Last Inspection: 04/26/2022 Sticker Expires: 10/26/2022 Standard Deviation: 464.00 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: 528.88 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] 615 615
 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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23 3000 1.515 3.081 566.83 4754.35 > 4746.4 = 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

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