



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 01

Plant Name: CSC2.03.601 Claxton Smith Concrete F-3 @ Charleston, WV

Last Inspection: 04/26/2021

Sticker Expires: 10/26/2021

Standard Deviation: 927.27

Rating: A-2

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	<----- Evaluation of Cement Requirements ----->							
					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
Data Slump Greater than or equal to 2 inches												
1461803	601.002.003 Concrete, Class B		564	564	15	3000	1.549	3.27	989.09	4532.1	< 5036	< 6234.32
					MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 01

Plant Name: ERM1.05.601 Hanson Ready Mix F-5 @ Winfield, WV

Last Inspection: 08/17/2021

Sticker Expires: 2/17/2022

Standard Deviation: 600.51

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

1465034 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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74 3000 1.5 3 588.88 5125.95 > 4766.64 = 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 Greater than or equal to 2 inches

1465039 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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35 3000 1.5 3 793.91 5501.14 > 5381.73 = 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

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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10 3000 1.604 3.615 468.22 5075 > 4692.62 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 01

Plant Name: ERM1.07.601 Hanson Ready Mix F-7 @ Charleston, WV

Last Inspection: 08/27/2021

Sticker Expires: 2/27/2022

Standard Deviation: 558.24

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1465026	601.002.013 Concrete, Class H		648	648
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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	683.17	5054.13	8963.12	6208.69
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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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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1465033	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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22	3000	1.518	3.096	558.08	6005	> 4727.82	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

District: 01

Plant Name: ERM1.09.601 Hanson Ready Mix F-9 @ Winfield, WV (Transit)

Last Inspection: 08/17/2021

Sticker Expires: 2/17/2022

Standard Deviation: 602.79

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1465035	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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36	3000	1.5	3	681.61	5881.11	> 5044.83	= 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: 9/16/2021

District: 01

Plant Name: MRM2.01.601 The Wells Group LLC - Madison Plant @ Madiso

Last Inspection: 03/08/2021

Sticker Expires: 9/8/2021

Standard Deviation: 524.73

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1461811	601.002.003 Concrete, Class B	05/25/2021	545	545
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	3000	1.604	3.615	729.85	4170.68	< 4441	< 5638.41
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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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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

2100204	601.002.003 Concrete, Class B		564	564
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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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11	3000	1.588	3.51	597.67	3949.1	< 4713.64	< 5097.82
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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: 9/16/2021

District: 01

Plant Name: RRM1.01.601 Rumble Ready Mix F-1 @ Winfield, WV

Last Inspection: 03/12/2021

Sticker Expires: 9/12/2021

Standard Deviation: 544.02

Rating: B

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 Concrete, Class B		543	496
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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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23 3000 1.515 3.081 512.34 6210.87 > 4578.52 = 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

1458962	601.002.003 Concrete, Class B		543	496
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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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23 3000 1.515 3.081 512.34 6210.87 > 4578.52 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1458962	601.002.003 Concrete, Class B		543	543
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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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38 3000 1.5 3 764.96 4147.44 < 5065.79 < 5294.88

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 01

Plant Name: VBC1.03.601 The Wells Group @ Robertsburg

Last Inspection: 06/25/2021

Sticker Expires: 12/25/2021

Standard Deviation: 631.17

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

1461856	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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67 3000 1.5 3 782.42 4173.63 < 5284.33 < 5347.26

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: 9/16/2021

District: 02

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

Last Inspection: 08/30/2021

Sticker Expires: 2/28/2022

Standard Deviation: 571.55

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Less than 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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13	4000	1.565	3.365	598.17	4936.14	< 5969.23	< 6012.84
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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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12	4000	1.576	3.429	961.72	5515.67	< 6149.17	< 7297.74
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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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<----- Evaluation of Cement Requirements ----->

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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58	3000	1.5	3	296.71	5118.45	> 3890.13	= 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: 9/16/2021

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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23	4000	1.515	3.081	717.55	5087.09	6165.87	6210.77
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

District: 02 Plant Name: LCC1.01.601 The Wells Group F-1 @ Logan, WV

Last Inspection: 08/19/2021 Sticker Expires: 2/19/2022 Standard Deviation: 449.48 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

1461810	601.002.003 Concrete, Class B	05/21/2021	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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49	3000	1.5	3	476.12	4894.59	> 4428.36	= 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

1461852	601.002.013 Concrete, Class H	08/09/2021	631	631
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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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33	4000	1.5	3	321.62	4482.43	6153.79	4964.86
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 02

Plant Name: TWG1.01.601 The Wells Group F-1 @ South Williamson, KY

Last Inspection: 03/25/2021

Sticker Expires: 9/25/2021

Standard Deviation: 628.28

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1394075	601.002.003		549	549
	Concrete, Class B			

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 3.202 731.01 4124.29 < 5069.29 < 5340.69

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 02

Plant Name: TWG1.04.601 The Wells Group F-4 @ Cannonsburg, KY

Last Inspection: 05/11/2021

Sticker Expires: 11/11/2021

Standard Deviation: 686.99

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Less than 2 inches

1420283	601.002.003	01/28/2021	549	502
	Concrete, Class B			

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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16 3000 1.543 3.233 534.17 6149.69 > 4726.97 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1420283	601.002.003	01/28/2021	549	549
	Concrete, Class B			

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 3.429 890.74 4403.81 < 5293.33 < 6054.35

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: 9/16/2021

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

Last Inspection: 06/24/2021 Sticker Expires: 12/24/2021 Standard Deviation: 631.85 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	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
Data Slump Greater than or equal to 2 inches												
1461812	601.002.003 Concrete, Class B	05/21/2021	545	521.5	20	3000	1.525	3.13	674.4	5291	> 5110.87	= 23.5
					DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							

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

Last Inspection: 08/16/2021 Sticker Expires: 2/16/2022 Standard Deviation: 562.30 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	Evaluation of Cement Requirements							
					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
Data Slump Less than 2 inches												
1461813	601.002.003 Concrete, Class B	05/21/2021	545	545	11	3000	1.588	3.51	664.96	4055.96	< 5006.36	< 5334.01
					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
Data Slump Greater than or equal to 2 inches												
1461813	601.002.003 Concrete, Class B	05/21/2021	545	545	44	3000	1.5	3	620.16	4884.77	> 4860.48	= 0
					MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 03

Plant Name: CSC1.15.601 Central Supply F-15 @ Pennsboro, WV

Last Inspection: 08/31/2021

Sticker Expires: 2/28/2022

Standard Deviation: 542.85

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1458976	601.002.003 Concrete, Class B		545	521.5
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Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	Average Strength(X)	(F_c+K2s)	$X-(F_c+K2s)/200$
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16	3000	1.543	3.233	713.54	5414.38	> 5306.87	= 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: 9/16/2021

District: 03

Plant Name: ERM1.06.601 Hanson Ready Mix F-6 @ Parkersburg, WV

Last Inspection: 03/25/2021

Sticker Expires: 9/25/2021

Standard Deviation: 547.06

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1465020	601.002.013 Concrete, Class H		618	564
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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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24 3000 1.513 3.067 762.69 4153.95 < 4923.75 < 5339.17

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

Data Slump Greater than or equal to 2 inches

1465056	601.002.003 Concrete, Class B		545	545
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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 3.044 538.91 4680 > 4640.44 = 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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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1465072	601.002.003 Concrete, Class B		564	564
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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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24 3000 1.513 3.067 762.69 4153.95 < 4923.75 < 5339.17

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 03

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

Last Inspection: 03/19/2021

Sticker Expires: 9/19/2021

Standard Deviation: 611.71

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1463290	601.002.003 Concrete, Class B		564	517
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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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10	3000	1.604	3.615	301.29	5460	> 4089.16	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							
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West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 04

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

Last Inspection: 07/22/2021

Sticker Expires: 1/22/2022

Standard Deviation: 661.18

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

1434187 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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13 3000 1.565 3.365 652.26 4020.79 < 4914.38 < 5194.85

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

1461855 601.002.022 08/14/2021 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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13 4500 1.565 3.365 1013.15 6085.58 < 7154.08 < 7909.25

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

2100410 501.002.001 564 564
Concrete, Pavement

<----- 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 3.27 691.61 4071.3 < 5090.87 < 5261.56

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 04

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

Last Inspection: 09/01/2021

Sticker Expires: 3/1/2022

Standard Deviation: 530.25

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1432544	601.002.013 Concrete, Class H		645	645
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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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12	4000	1.576	3.429	842.49	5327.76	6283.92	6888.9
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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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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1434199	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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28	3000	1.505	3.024	446.67	4970.46	> 4350.73	= 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: 9/16/2021

District: 04

Plant Name: CSC1.02.601 Central Supply F-2 @ Westover, WV

Last Inspection: 09/01/2021

Sticker Expires: 3/1/2022

Standard Deviation: 632.03

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	<----- 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
Data Slump Less than 2 inches												
1434193	601.002.003		545	498	25	3000	1.511	3.055	601.85	5676.8	> 4838.65	= 47
Concrete, Class B					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)
Data Slump Greater than or equal to 2 inches												
1434193	601.002.003		545	545	15	3000	1.549	3.27	458.8	3710.68	< 4491.33	< 4500.28
Concrete, Class B					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	<----- Evaluation of Cement Requirements ----->							
					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
Data Slump Greater than or equal to 2 inches												
1434195	601.002.001	01/24/2020	659	659	19	3500	1.528	3.151	874.16	4835.72	< 5831.95	< 6254.48
Concrete, Class A					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	<----- 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
Data Slump Less than 2 inches												
1436404	601.002.015	08/30/2021	636	636	10	4000	1.604	3.615	608.87	6235	> 6201.07	= 0
Concrete, Class K					MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 04 Plant Name: RDR1.01.601 R.D.R. Energy Resources

Last Inspection: 05/18/2021 Sticker Expires: 11/18/2021 Standard Deviation: 571.97 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

2100211 601.002.003 564 564
Concrete, Class B

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 3000 1.525 3.13 611.58 3932.66 < 4337 < 4914.25

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 04 Plant Name: SAC1.01.601 Stone & Company @ Morgantown, WV

Last Inspection: 07/01/2021 Sticker Expires: 1/1/2022 Standard Deviation: 528.37 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

2100405 601.002.003 564 517
Concrete, Class B

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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21 3000 1.521 3.112 528.37 6190.95 > 4644.29 = 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: 9/16/2021

District: 05 Plant Name: FCC1.01.601 Fairfax Concrete F-1 @ Scherr WV

Last Inspection: **03/09/2021** Sticker Expires: 9/9/2021 Standard Deviation: 586.96 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

1463272	601.002.003		564	517
	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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15	3000	1.549	3.27	376.24	6271.33	> 4230.3	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26
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Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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Data Slump Greater than or equal to 2 inches

1463275	601.002.003		545	498
	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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19	3000	1.528	3.151	674.35	6124.11	> 5124.88	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26
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PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 05

Plant Name: FCC1.05.601 Allegany Concrete F-5 W Short Gap WV (Transit)

Last Inspection: 03/08/2021

Sticker Expires: 9/8/2021

Standard Deviation: 629.63

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1461807 601.002.003
Concrete, Class B

545 498

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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21 3000 1.521 3.112 727.11 5781.43 > 5262.77 = 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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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1461808 601.002.015
Concrete, Class K

635 635

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 3.233 713.62 5101.12 < 5933.06 < 6307.13

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 05

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

Last Inspection: 03/11/2021

Sticker Expires: 9/11/2021

Standard Deviation: 719.77

Rating: B

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

I389014 - R15	601.002.003		555	516
	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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59 3000 1.5 3 801.26 5803.05 > 5403.78 = 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 Less than 2 inches

2000432	601.002.003		563	516
	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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59 3000 1.5 3 801.26 5803.05 > 5403.78 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

2000432	601.002.003		563	516
	Concrete, Class B			

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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37 3000 1.5 3 542.45 6130.73 > 4627.35 = 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: 9/16/2021

District: 06 Plant Name: ERM1.04.601 Hanson Ready Mix F-4 @ McMechen WV

Last Inspection: 05/14/2021 Sticker Expires: 11/14/2021 Standard Deviation: 513.95 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

1461781	601.002.015 Concrete, Class K	02/15/2021	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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13	4000	1.565	3.365	485	4759.02	< 5095.38	< 5632.02
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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

1461799	601.002.003 Concrete, Class B	04/05/2021	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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27	3000	1.507	3.034	491.74	4972.59	> 4491.94	= 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

1901031	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	620.32	3994.99	< 4398	< 5242.46
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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: 9/16/2021

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

2100549	601.002.003 Concrete, Class B		545	545
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Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	(F_c+K1s)	Average Strength(X)	(F_c+K2s)
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12	3000	1.576	3.429	473.13	3745.65 <	3831.67 <	4622.36
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							
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PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 06

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

Last Inspection: 03/18/2021

Sticker Expires: 9/18/2021

Standard Deviation: 649.43

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 Greater than or equal to 2 inches

1463266 601.002.022 810 763
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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17 4500 1.538 3.202 852.96 7836.47 > 7231.18 = 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

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)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10 5000 1.604 3.615 787.09 6262.49 < 6344 < 7845.33

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

1463337 601.002.006 650 650
Concrete, Class B Mass, 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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32 5000 1.5 3 399.01 5598.52 < 5945.62 < 6197.03

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

1901030 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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22 4500 1.518 3.096 702.41 7512.27 > 6674.66 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 06

Plant Name: SWC1.01.601 Swank @ Tridelphia, WV

Last Inspection: 02/04/2021

Sticker Expires: 8/4/2021

Standard Deviation: 722.90

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

2000426	601.002.006		610	563
Concrete, Class B Mass, 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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40 4000 1.5 3 825.47 6788.38 > 6476.41 = 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

2000429	601.002.004		730	824
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+K1s)	(Fc+K1s)-X/200
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26 5500 1.508 3.044 943.32 6150.23 < 6922.53 = 94

INCREASE CEMENT FACTOR BY 94 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

2000438	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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25 4000 1.511 3.055 949.22 5434.27 < 6466.8 < 6899.87

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

2000438	601.002.015		658	658
Concrete, Class K				

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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40 4000 1.5 3 692.61 5038.92 < 5750 < 6077.83

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

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

2000441	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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85	4000	1.5	3	880.18	5320.27	7965.94	6640.54
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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

2000446	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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25	3000	1.511	3.055	768.95	4161.88	< 5136	< 5349.14
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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

2000459	601.002.016 Concrete, Class K Modified		655	608
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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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15	4500	1.549	3.27	637.63	7978	> 6585.05	= 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

2000462	601.002.014 Concrete, Class H Modified		648	601
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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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16	4000	1.543	3.233	479.88	7471.88	> 5551.45	= 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: 9/16/2021

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

2003474	601.002.013 Concrete, Class H		648	648
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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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58	4000	1.5	3	720.92	5081.38	6951.05	6162.76
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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

2003477	601.002.014 Concrete, Class H Modified		648	601
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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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15	4000	1.549	3.27	211.81	7630.67	> 4692.62	= 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

2003480	601.002.006 Concrete, Class B Mass, Modified		610	563
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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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36	4000	1.5	3	437.7	6068.33	> 5313.1	= 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: 9/16/2021

District: 06

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

Last Inspection: 04/06/2021

Sticker Expires: 10/6/2021

Standard Deviation: 572.86

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1463244	601.002.003 Concrete, Class B		564	517
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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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124	3000	1.5	3	576.38	6079.19	> 4729.14	= 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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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

2100210	601.002.004 Concrete, Class B Modified		658	658
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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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11	4500	1.588	3.51	583.85	5427.15	< 6477.27	< 6549.31
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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: 9/16/2021

District: 07

Plant Name: ACX1.01.601 Central Supply F-8 @ Buckhannon

Last Inspection: 03/09/2021

Sticker Expires: 9/9/2021

Standard Deviation: 812.95

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1434200	601.002.003 Concrete, Class B		545	545
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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)
12	3000	1.576	3.429	1002.74	4580.32	< 5263.33	< 6438.4
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 07

Plant Name: CSC1.04.601 Central Supply F-4 @ Gassaway, WV

Last Inspection: 03/04/2021

Sticker Expires: 9/4/2021

Standard Deviation: 528.53

Rating: B

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

1434202 601.002.003 Concrete, Class B 545 545

<----- 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 3.615 808.53 4296.88 < 5689 < 5922.84

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1434202 601.002.003 Concrete, Class B 545 521.5

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 3.067 562.09 5001.25 > 4723.93 = 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

1434215 601.002.003 Concrete, Class B 564 564

<----- 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 3.313 703.2 4094.88 < 5227.14 < 5329.7

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

1436446 601.002.013 Concrete, Class H 628 628

<----- 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 3.27 535.39 4829.32 7098 5750.73

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 07

Plant Name: CSC1.05.601 Central Supply F-5 @ Glenville, WV

Last Inspection: 03/04/2021

Sticker Expires: 9/4/2021

Standard Deviation: 474.01

Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1434203	601.002.003 Concrete, Class B		545	545
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Pieces of Data	Design Strength(F_c)	Factor ($K1$)	Factor ($K2$)	Standard Deviation (s)	(F_c+K1s)	Average Strength(X)	(F_c+K2s)
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11	3000	1.588	3.51	738.19	4172.25	< 4830	< 5591.05
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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: 9/16/2021

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

Last Inspection: **03/03/2021** Sticker Expires: 9/3/2021 Standard Deviation: 657.61 Rating: B

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
Data Slump Greater than or equal to 2 inches				
1434201	601.002.003 Concrete, Class B		545	545

<----- 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	3000	1.588	3.51	638.81	4014.43	< 5062.73	< 5242.22
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
Data Slump Less than 2 inches				
1436389	601.002.015 Concrete, Class K		636	636
Data Slump Greater than or equal to 2 inches				
1436389	601.002.015 Concrete, Class K		636	636

<----- 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	810.63	5300.25	< 6481	< 6930.43
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)
12	4000	1.576	3.429	443.48	4698.92	< 5392.5	< 5520.69
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

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		636	636
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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16	4000	1.543	3.233	657.47	5014.48	< 5633.12	< 6125.6
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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

1901026	601.002.013		633	633
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	653.56	4992.1	6589.09	6023.42
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

Last Inspection: 03/03/2021 Sticker Expires: 9/3/2021 Standard Deviation: 627.42 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

1461837	601.002.004		636	636
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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12	4000	1.576	3.429	646.85	5019.44	< 5880	< 6218.05
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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

1465021	601.002.013		345	345
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	789.86	5201.38	6692.86	6458.04
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 09

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

Last Inspection: 05/25/2021

Sticker Expires: 11/25/2021

Standard Deviation: 807.42

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

1432590	601.002.003 Concrete, Class B		543	590
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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+K1s)	(Fc+K1s)-X/200
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15	3000	1.549	3.27	1014.01	4225.33	< 4570.7	= 47
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INCREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1434222	601.002.003 Concrete, Class B		543	543
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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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30	3000	1.501	3.008	926.66	4390.92	< 4551.67	< 5787.39
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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: 9/16/2021

District: 09

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

Last Inspection: 05/25/2021

Sticker Expires: 11/25/2021

Standard Deviation: 595.99

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	<----- Evaluation of Cement Requirements ----->									
					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)		
Data Slump Greater than or equal to 2 inches														
1434176	601.002.015		632	632	16	4000	1.543	3.233	583.23	4899.92	< 5628.12	< 5885.58		
Concrete, Class K					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	<----- 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		
Data Slump Greater than or equal to 2 inches														
1434221	601.002.003		543	496	27	3000	1.507	3.034	567.69	5725.19	> 4722.37	= 47		
Concrete, Class B					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	<----- Evaluation of Cement Requirements ----->									
					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)		
Data Slump Greater than or equal to 2 inches														
1463335	601.002.003		545	545	13	3000	1.565	3.365	508.54	3795.87	< 4086.15	< 4711.24		
Concrete, Class B					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	<----- Evaluation of Cement Requirements ----->									
					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)		
Data Slump Greater than or equal to 2 inches														
1465019	601.002.004		594	594	45	3500	1.5	3	744.47	4616.7	< 5030.96	< 5733.41		
Concrete, Class B Modified					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: 9/16/2021

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

Last Inspection: 05/17/2021 **Sticker Expires:** 11/17/2021 **Standard Deviation:** 666.71 **Rating:** A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1463301	601.002.003 Concrete, Class B		545	545
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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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23	3000	1.515	3.081	699.96	4060.44 <	4371.3 <	5156.58
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

Last Inspection: 05/12/2021 **Sticker Expires:** 11/12/2021 **Standard Deviation:** 543.18 **Rating:** A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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<----- Evaluation of Cement Requirements ----->

Data Slump Greater than or equal to 2 inches

1463299	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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69	3000	1.5	3	435.57	4755.8 >	4306.71 =	47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26
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PCC Plant Evaluation with Cement Factors

Effective Date: 9/16/2021

District: 10

Plant Name: EC11.01.601 Eastern Concrete Pinville WV

Last Inspection: 04/15/2021

Sticker Expires: 10/15/2021

Standard Deviation: 872.98

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

1463324 601.002.003 Concrete, Class B 545 545

<----- 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 3.429 677.15 5370.83 > 5321.95 = 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

1463325 501.002.001 Concrete, Pavement 545 545

<----- 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 3000 1.5 3 801.07 4201.61 < 4941.29 < 5403.21

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

1463326 601.002.015 Concrete, Class K 639 639

<----- 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 4000 1.501 3.008 798.67 5198.8 < 5572 < 6402.4

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

1463327 601.002.022 Concrete, Class DC 605 581.5

<----- 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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17 4500 1.538 3.202 1029.81 7958.82 > 7797.45 = 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: 9/16/2021

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

1463328	601.002.013 Concrete, Class H		631	631
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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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26	4000	1.508	3.044	675.01	5017.92	5220.77	6054.73
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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

1465023	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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19	3000	1.528	3.151	808.41	4235.25	< 5336.84	< 5547.3
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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

1465024	501.002.001 Concrete, Pavement		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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34	3000	1.5	3	698.04	5596.47	> 5094.12	= 47
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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: 03/16/2021 Sticker Expires: 9/16/2021 Standard Deviation: 657.18 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

1463341	601.002.003 Concrete, Class B		615	568
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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	686.25	5595.29	> 5197.37	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26