



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

**District:** 07      **Plant Name:** ACX1.01.601 Central Supply F-8 @ Buckhannon  
**Last Inspection:** 03/06/2020      **Sticker Expires:** 9/6/2020      **Standard Deviation:** 646.10      **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**

1434200	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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16	3000	1.543	3.233	471.37	6043.75	> 4523.94	= 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**

1434200	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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34	3000	1.5	3	772.78	4159.17	< 4830.29	< 5318.34
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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**

1434213	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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29	3000	1.503	3.016	654.54	5518.28	> 4974.09	= 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: 7/31/2020

District: 02

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

Last Inspection: 02/27/2020

Sticker Expires: 8/27/2020

Standard Deviation: 568.46

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

1424602	601.002.003 Concrete, Class B		550	550
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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( $X$ )	( $F_c+K_2s$ )
25	3000	1.511	3.055	627.68	3948.42	< 4713.6	< 4917.56

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 09

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

Last Inspection: 05/26/2020

Sticker Expires: 11/26/2020

Standard Deviation: 854.04

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

1432590 601.002.003 Concrete, Class B  
 Approved Cement Factor: 543  
 Adjusted Cement Factor: 581

<----- 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
10	4000	1.604	3.615	712.81	7251	> 6576.81	= 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

1434222 601.002.003 Concrete, Class B  
 Approved Cement Factor: 543  
 Adjusted Cement Factor: 543

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
44	3000	1.5	3	895.36	4343.04	< 4687.5	< 5686.08
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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

1436465 601.002.013 Concrete, Class H  
 Approved Cement Factor: 628  
 Adjusted Cement Factor: 581

<----- 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
10	4000	1.604	3.615	712.81	7251	> 6576.81	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 10

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

Last Inspection: 05/15/2020

Sticker Expires: 11/15/2020

Standard Deviation: 656.94

Rating: A-1

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

1432575 601.002.003 Concrete, Class B 543 519.5

<----- 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
16	3000	1.543	3.233	530.82	4994.06	> 4716.14	= 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

1434181 601.002.003 Concrete, Class B 543 543  
11/07/2019

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
69	3000	1.5	3	670.43	4005.64	< 4308.07	< 5011.29
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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

1463301 601.002.003 Concrete, Class B 545 568.5

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K1s)-X/200
24	3000	1.513	3.067	845.61	4258.75	< 4279.41	= 23.5
INCREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 09

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

Last Inspection: 05/19/2020

Sticker Expires: 11/19/2020

Standard Deviation: 727.38

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 601.002.003 543 519.5  
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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53 3000 1.5 3 789.72 5653.77 > 5369.16 = 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

1463335 601.002.003 545 733  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K1s)-X/200
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12 4840 1.576 3.429 491.22 4032.5 < 5614.16 = 188

INCREASE CEMENT FACTOR BY 188 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

1465019 601.002.004 594 594  
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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19 3500 1.528 3.151 510.37 5184.37 > 5108.18 = 0

DECREASE CEMENT FACTOR BY 0 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 10 Plant Name: BMC1.06.601 Central Supply F-14 @ Beckley, WV  
 Last Inspection: 11/12/2019 Sticker Expires: 5/12/2020 Standard Deviation: 541.25 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**

1432573	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)
133	3000	1.5	3	560.18	3840.27	< 4463.03	< 4680.54
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**

1463298	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
39	3000	1.5	3	592.36	5222.44	> 4777.08	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

District: 03 Plant Name: CCC1.01.601 Cardinal Concrete F-1 @ Ravenswood, WV  
 Last Inspection: 04/30/2020 Sticker Expires: 10/30/2020 Standard Deviation: 685.05 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 Less than 2 inches**

1461812	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
11	3000	1.588	3.51	457.47	5252.73	> 4605.72	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

**Data Slump Greater than or equal to 2 inches**

1461812	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
30	3000	1.501	3.008	557.72	5158.67	> 4677.62	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 03

Plant Name: CCC1.02.601 Cardinal Concrete F-2 @ Parkersburg, WV

Last Inspection: 04/23/2020

Sticker Expires: 10/23/2020

Standard Deviation: 787.14

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

1432578	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( $X$ )	( $F_c+K_2s$ )
32	3000	1.5	3	719.05	4078.58	< 4441.88	< 5157.15
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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

1461813	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( $X$ )	( $F_c+K_2s$ )
45	3000	1.5	3	851.65	4277.48	< 5490.89	< 5554.95
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 04 Plant Name: CCC1.03.601 Cardinal Concrete F-3 @ Bridgeport, WV  
 Last Inspection: 03/10/2020 Sticker Expires: 9/10/2020 Standard Deviation: 519.36 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

1434187 601.002.003 Concrete, Class B  
 Approved Cement Factor: 545 Adjusted Cement Factor: 639

<----- 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 3.51 408.14 5440 > 5432.57 = 0

DECREASE CEMENT FACTOR BY 0 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

1434188 601.002.015 Concrete, Class K  
 Approved Cement Factor: 639 Adjusted Cement Factor: 639

<----- 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 3.51 408.14 5440 > 5432.57 = 0

DECREASE CEMENT FACTOR BY 0 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

1455051 601.002.013 Concrete, Class H  
 Approved Cement Factor: 631 Adjusted Cement Factor: 584

<----- 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 4000 1.604 3.615 493.4 6458 > 5783.64 = 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

1461855 601.002.022 Concrete, Class DC  
 Approved Cement Factor: 705 Adjusted Cement Factor: 658

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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10 4500 1.604 3.615 732.79 7469 > 7149.04 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 04

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

Last Inspection: 03/03/2020

Sticker Expires: 9/3/2020

Standard Deviation: 625.52

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**

1434199	601.002.003 Concrete, Class B	03/28/2020	545	498
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Pieces of Data	Design Strength( $F_c$ )	Factor ( $K1$ )	Factor ( $K2$ )	Standard Deviation ( $s$ )	Average Strength( $X$ )	( $F_c+K2s$ )	$X-(F_c+K2s)/200$
28	3000	1.505	3.024	613.95	5735.71	> 4856.58	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

**Data Slump Greater than or equal to 2 inches**

1434199	601.002.003 Concrete, Class B	03/28/2020	545	521.5
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Pieces of Data	Design Strength( $F_c$ )	Factor ( $K1$ )	Factor ( $K2$ )	Standard Deviation ( $s$ )	Average Strength( $X$ )	( $F_c+K2s$ )	$X-(F_c+K2s)/200$
26	3000	1.508	3.044	590.17	4989.23	> 4796.48	= 23.5
DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 04

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

Last Inspection: 03/02/2020

Sticker Expires: 9/2/2020

Standard Deviation: 664.90

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**

1432523	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
10	3000	1.604	3.615	696.86	5991	> 5519.15	= 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**

1432547	601.002.013 Concrete, Class H		645	598
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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
10	4000	1.604	3.615	353.62	7545	> 5278.34	= 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**

1434193	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
18	3000	1.533	3.175	600.91	5647.22	> 4907.89	= 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

**Data Slump Greater than or equal to 2 inches**

1434193	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
68	3000	1.5	3	685.32	5367.65	> 5055.96	= 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

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

1434195	601.002.001 Concrete, Class A	01/24/2020	659	659
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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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23	3500	1.515	3.081	912.43	4882.33	< 5754.35	< 6311.2
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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

1436406	601.002.015 Concrete, Class K	05/14/2020	658	658
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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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24	4000	1.513	3.067	675.34	5021.79	< 5853.75	< 6071.27
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 08 Plant Name: CSC1.03.601 Central Supply F-3 @ Elkins, WV  
 Last Inspection: 03/04/2020 Sticker Expires: 9/4/2020 Standard Deviation: 632.85 Rating: A-1

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

1434201 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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11 3000 1.588 3.51 508.76 5000 > 4785.75 = 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

1434214 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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11 3000 1.588 3.51 638.44 5907.27 > 5240.92 = 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

1436443 601.002.013 628 581  
 Concrete, Class H

<----- 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 4000 1.538 3.202 656.72 6992.94 > 6102.82 = 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

1459834 601.002.004 636 612.5  
 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 3.51 582.69 6294.55 > 6045.24 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

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 Concrete, Class H		633	586
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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	4000	1.507	3.034	657.6	6613.7	> 5995.16	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

District: 07

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

Last Inspection: 03/05/2020

Sticker Expires: 9/5/2020

Standard Deviation: 553.37

Rating: A-1

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

1434202	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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11	3000	1.588	3.51	483.16	5057.27	> 4695.89	= 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

1434215	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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14	3000	1.557	3.313	681.17	5275.71	> 5256.72	= 0
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DECREASE CEMENT FACTOR BY 0 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 07

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

Last Inspection: 03/05/2020

Sticker Expires: 9/5/2020

Standard Deviation: 512.61

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

1434203	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)	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
15	3000	1.549	3.27	496.92	4628	> 4624.93	= 0
DECREASE CEMENT FACTOR BY 0 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

1434216	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	( $F_c+K_1s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )
16	3000	1.543	3.233	793.89	4224.97	< 4943.75	< 5566.65
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 03      Plant Name: CSC1.15.601      Central Supply F-15 @ Pennsboro, WV  
 Last Inspection: 03/03/2020      Sticker Expires: 9/3/2020      Standard Deviation: 618.60      Rating: A-1

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

1458975      601.002.003      Concrete, Class B      564      521.5

<----- 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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16      3000      1.543      3.233      699.94      5486.25 > 5262.91 = 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

1458976      601.002.003      Concrete, Class B      545      521.5

<----- 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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16      3000      1.543      3.233      699.94      5486.25 > 5262.91 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

District: 08      Plant Name: CSC1.16.601      Central Supply F-16 @ Parsons, WV  
 Last Inspection: 03/26/2020      Sticker Expires: 9/26/2020      Standard Deviation: 538.38      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

1461837      601.002.004      Concrete, Class B Modified      636      612.5

<----- 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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16      4000      1.543      3.233      549.65      6060 > 5777.02 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 01

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

Last Inspection: 09/11/2019

Sticker Expires: 3/11/2020

Standard Deviation: 674.61

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

1461803 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( $X$ )	( $F_c+K_2s$ )
29	3000	1.503	3.016	759.45	4141.45	< 4835.52	< 5290.5
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: 05/12/2020

Sticker Expires: 11/12/2020

Standard Deviation: 418.79

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 601.002.003 545 498  
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( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
26	3000	1.508	3.044	562.45	5589.23	> 4712.1	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							



# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 10 Plant Name: ECI1.01.601 Eastern Concrete Pinville WV  
 Last Inspection: 04/15/2020 Sticker Expires: 10/15/2020 Standard Deviation: 900.50 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 601.002.003 545 521.5  
 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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14 3000 1.557 3.313 664.32 5323.57 > 5200.89 = 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

1463325 501.002.001 545 545  
 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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97 3000 1.5 3 782.59 4173.88 < 4961.86 < 5347.77

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 601.002.015 639 639  
 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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11 4000 1.588 3.51 884.22 5404.14 < 5539.09 < 7103.61

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 601.002.022 605 581.5  
 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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26 4500 1.508 3.044 1032.76 7753.85 > 7643.72 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

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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11	4000	1.588	3.51	1343.45	6133.4	< 6524.55	< 8715.51
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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

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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13	3000	1.565	3.365	1316.07	5059.65	< 6286.92	< 7428.58
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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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50	3000	1.5	3	807.6	6010	> 5422.8	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

District: 01 Plant Name: ERM1.02.601 Hanson Ready Mix F-2 @ Gallipolis, OH

Last Inspection: 07/18/2019 Sticker Expires: 1/18/2020 Standard Deviation: 498.13 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

1459811	601.002.003 Concrete, Class B	03/11/2019	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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17	3000	1.538	3.202	492.25	3757.08	< 4440	< 4576.18
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 06

Plant Name: ERM1.03.601 Hanson Ready Mix F-3 @ New Martinsville, WV

Last Inspection: 05/14/2020

Sticker Expires: 11/14/2020

Standard Deviation: 663.81

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

1461798	601.002.003 Concrete, Class B		545	545
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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( $X$ )	( $F_c+K2s$ )
72	3000	1.5	3	770.49	4155.73	< 4665.83	< 5311.47
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 06 Plant Name: ERM1.04.601 Hanson Ready Mix F-4 @ McMechen WV  
 Last Inspection: 05/14/2020 Sticker Expires: 11/14/2020 Standard Deviation: 674.00 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 601.002.015 639 601  
 Concrete, Class K

<----- 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 4000 1.565 3.365 553.24 6349.23 > 5861.65 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1461799 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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32 3000 1.5 3 582.52 5031.25 > 4747.56 = 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

1463258 601.002.013 648 601  
 Concrete, Class H

<----- 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 4000 1.565 3.365 553.24 6349.23 > 5861.65 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1901031 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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14 3000 1.557 3.313 666.53 4037.79 < 4692.86 < 5208.21

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 01

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

Last Inspection: 02/24/2020

Sticker Expires: 8/24/2020

Standard Deviation: 658.66

Rating: A-1

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

1436421 601.002.003 **06/19/2020** 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)
35	3000	1.5	3	840.52	4260.78	< 4801.71	< 5521.56
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

1459006 601.002.015 **05/29/2020** 639 662.5  
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
22	4000	1.518	3.096	610.12	4789.55	< 4926.16	= 23.5
INCREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							

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

1459828 601.002.013 648 601  
Concrete, Class H

<----- 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
34	4000	1.5	3	627.74	7586.47	> 5883.22	= 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

1461792 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)
50	3000	1.5	3	785.82	4178.73	< 4317	< 5357.46
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

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

1465030	601.002.013 Concrete, Class H		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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34      4000      1.5      3      469.4      8656.47 > 5408.2 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1465034	601.002.003 Concrete, Class B		545	498
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
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80      3000      1.5      3      614.56      5178.62 > 4843.68 = 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 Concrete, Class B		545	521.5
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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( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
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43      3000      1.5      3      771.42      5484.19 > 5314.26 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 03

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

Last Inspection: 02/24/2020

Sticker Expires: 8/24/2020

Standard Deviation: 573.57

Rating: A-1

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

1436399 601.002.003 **05/06/2020** 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)
78	3000	1.5	3	491.61	3737.42	< 3996.41	< 4474.83
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

1455090 601.002.013 **08/02/2019** 648 601  
Concrete, Class H

<----- 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
20	4000	1.525	3.13	791.68	7360.5	> 6477.96	= 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

1463304 601.002.003 287 240  
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
12	3000	1.576	3.429	235.45	4970	> 3807.36	= 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

1465020 601.002.013 618 571  
Concrete, Class H

<----- 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
22	4000	1.518	3.096	984.79	7609.55	> 7048.91	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

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

1465053	601.002.015 Concrete, Class K		639	639
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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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18	4000	1.533	3.175	631.99	4968.84	< 5898.33	< 6006.57
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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

1465056	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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53	3000	1.5	3	501.03	3751.54	< 4378.68	< 4503.09
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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

1465072	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( $X$ )	( $F_c+K_2s$ )	$X - (F_c+K_2s)/200$
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45	3000	1.5	3	661.35	5094	> 4984.05	= 23.5
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DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26



# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 01

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

Last Inspection: 02/25/2020

Sticker Expires: 8/25/2020

Standard Deviation: 526.92

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

1459826	601.002.013 Concrete, Class H		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
22	4000	1.518	3.096	563.28	8828.64	> 5743.91	= 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

1459830	601.002.013 Concrete, Class H		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
13	4000	1.565	3.365	509.3	8339.23	> 5713.79	= 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

1465025	601.002.013 Concrete, Class H		345	298
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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
27	4000	1.507	3.034	511.64	8545.56	> 5552.32	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

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

1465026	601.002.013 Concrete, Class H		345	298
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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
14	4000	1.557	3.313	689.06	9047.86	> 6282.86	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

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

1465033	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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19	3000	1.528	3.151	589.67	6043.16	> 4858.05	= 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: 02/24/2020

Sticker Expires: 8/24/2020

Standard Deviation: 630.56 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

1465035	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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29	3000	1.503	3.016	610.13	5951.38	> 4840.15	= 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: 7/31/2020

District: 05

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

Last Inspection: 03/12/2020

Sticker Expires: 9/12/2020

Standard Deviation: 666.95

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

1463272	601.002.003 Concrete, Class B		564	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
30	3000	1.501	3.008	744.86	6403.6	> 5240.54	= 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

1463275	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
30	3000	1.501	3.008	744.86	6403.6	> 5240.54	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 10

Plant Name: KCX1.03.601 Kokosing Construction Company F-3 @ Sophia,

Last Inspection: 03/10/2020

Sticker Expires: 9/10/2020

Standard Deviation: 608.63

Rating: A-1

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

1463343	501.002.001 Concrete, Pavement		544	497
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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
22	3000	1.518	3.096	546	5487.27	> 4690.42	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

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

1465062	501.002.001 Concrete, Pavement		544	497
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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
22	3000	1.518	3.096	546	5487.27	> 4690.42	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

**Data Slump Greater than or equal to 2 inches**

1465062	501.002.001 Concrete, Pavement		544	497
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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
20	3000	1.525	3.13	603.86	5534	> 4890.08	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 02

Plant Name: LCC1.01.601 Logan Concrete F-1 @ Logan, WV

Last Inspection: 02/26/2020

Sticker Expires: 8/26/2020

Standard Deviation: 548.46

Rating: A-1

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

1461810 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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11 3000 1.588 3.51 564.15 5073.64 > 4980.17 = 0

DECREASE CEMENT FACTOR BY 0 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

1461850 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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26 3000 1.508 3.044 665.33 4003.32 < 4511.54 < 5025.26

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 01

Plant Name: MRM3.01.601 Mozack Ready Mix, Winfield WV

Last Inspection: 09/30/2019

Sticker Expires: 3/30/2020

Standard Deviation: 434.08

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

1458937 601.002.003 Concrete, Class B 08/21/2019 546 546

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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43 3000 1.5 3 444.17 3666.26 < 4226.05 < 4332.51

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 01

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

Last Inspection: 11/12/2019

Sticker Expires: 5/12/2020

Standard Deviation: 621.71

Rating: B

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

1455099	501.002.002 Concrete, Pavement HES	08/07/2019	658	611
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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      117.33      8587.5 > 3402.32 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1458929	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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14      3000      1.557      3.313      485.04      3755.21 < 4601.43 < 4606.94

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1458962	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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19      4300      1.528      3.151      609.56      5231.41 < 6120.53 < 6220.72

MAINTAIN CURRENT CEMENT FACTOR, 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	613.5
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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      4300      1.549      3.27      1002.57      5340 < 5852.98 = 70.5

INCREASE CEMENT FACTOR BY 70.5 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 03 Plant Name: SCC1.01.601 Smith Concrete F-1 @ Porterfield, OH  
 Last Inspection: 10/08/2019 Sticker Expires: 4/8/2020 Standard Deviation: 677.95 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

1463289 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)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
12	3000	1.576	3.429	594.12	5075	> 5037.24	= 0
DECREASE CEMENT FACTOR BY 0 PER SECTION 3.3 OF MP 711.03.26							

District: 03 Plant Name: SCC1.02.601 Smith Concrete F-2 @ Reno, OH  
 Last Inspection: 02/26/2020 Sticker Expires: 8/26/2020 Standard Deviation: 626.78 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

1463290 601.002.003 Concrete, Class B 564 517

<----- 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
19	3000	1.528	3.151	422.14	5285.26	> 4330.16	= 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

1463330 601.002.022 Concrete, Class DC 705 846

<----- 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
12	5800	1.576	3.429	971.96	6171.67	< 7331.81	= 141
INCREASE CEMENT FACTOR BY 141 PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 06 Plant Name: SSC1.03.601 Smith Concrete F-3 @ Tiltonville OH  
 Last Inspection: 09/24/2019 Sticker Expires: 3/24/2020 Standard Deviation: 637.32 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

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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10 4500 1.604 3.615 891.51 8775 > 7722.81 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1463329 601.002.003 564 517  
 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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57 3000 1.5 3 714.35 5750.35 > 5143.05 = 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

1463337 601.002.006 650 603  
 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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24 0 1.513 3.067 369.07 5920.42 > 1131.94 = 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

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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18 4500 1.533 3.175 603.36 6809.89 > 6415.67 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 06

Plant Name: SWC1.01.601 Swank @ Tridelphia, WV

Last Inspection: 01/30/2020

Sticker Expires: 7/30/2020

Standard Deviation: 815.67

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

2000426 601.002.006 610 586.5  
Concrete, Class B Mass, 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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29 4000 1.503 3.016 890.78 6820.86 > 6686.59 = 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

2000429 601.002.004 730 824  
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( $X$ )	( $F_c+K_1s$ )	( $F_c+K_1s$ )- $X/200$
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19 5500 1.528 3.151 885.02 6226.37 < 6852.31 = 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 Greater than or equal to 2 inches

2000438 601.002.015 658 658  
Concrete, Class K

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

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	( $F_c+K_1s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )
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10 4000 1.604 3.615 632.18 5014.02 < 5287 < 6285.33

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

2000446 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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10 3000 1.604 3.615 998.89 4602.22 < 5332.8 < 6610.99

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 05 Plant Name: TBH1.01.601 Thomas, Bennet & Hunter, Inc @ Martinsburg, W  
 Last Inspection: 03/12/2020 Sticker Expires: 9/12/2020 Standard Deviation: 704.25 Rating: A-1

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

389014 - R15 601.002.003 Concrete, Class B  
 Approved Cement Factor: 555 Adjusted Cement Factor: 508

----- 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
21	3000	1.521	3.112	742.23	5646.81	> 5309.82	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

**Data Slump Greater than or equal to 2 inches**

389014 - R15 601.002.003 Concrete, Class B  
 Approved Cement Factor: 555 Adjusted Cement Factor: 508

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
21	3000	1.521	3.112	794.84	6414.24	> 5473.54	= 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**

1398981 601.002.005 Concrete, Class B Mass  
 Expired Date: 01/24/2020  
 Approved Cement Factor: 566 Adjusted Cement Factor: 519

----- 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
45	3000	1.5	3	686.21	6250.44	> 5058.63	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

District: 02 Plant Name: TWG1.01.601 The Wells Group F-1 @ South Williamson, KY  
 Last Inspection: 10/22/2019 Sticker Expires: 4/22/2020 Standard Deviation: 575.05 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**

1394075 601.002.003 Concrete, Class B  
 Approved Cement Factor: 549 Adjusted Cement Factor: 549

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
13	3000	1.565	3.365	589.55	3922.65	< 4973.08	< 4983.84
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 7/31/2020

District: 01

Plant Name: VBC1.03.601 Cardinal Concrete @ Robertsburg

Last Inspection: 02/13/2020

Sticker Expires: 8/13/2020

Standard Deviation: 648.57

Rating: A-1

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

1461856	601.002.003 Concrete, Class B		545	498
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
39	3000	1.5	3	719.99	5638.72	> 5159.97	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

District: 06

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

Last Inspection: 03/26/2020

Sticker Expires: 9/26/2020

Standard Deviation: 617.08

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

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 ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
17	3000	1.538	3.202	601.4	6217.65	> 4925.68	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							