



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 01

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

Last Inspection: 02/20/2024

Sticker Expires: 8/20/2024

Standard Deviation: 606.81

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

2000471 601.002.003 **07/01/2023** 545 521.5  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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18 3000 1.533 3.175 536.7 4945 > 4704.02 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

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

2000475 601.002.003 **07/01/2023** 545 521.5  
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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23 3000 1.515 3.081 602.3 5108.26 > 4855.69 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

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

2000479 601.002.015 **07/02/2023** 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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18 4000 1.533 3.175 549.15 4841.85 < 5257.22 < 5743.55

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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17	4000	1.538	3.202	677.84	5042.52	8062.35	6170.44
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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28	3000	1.505	3.024	736.93	6210	> 5228.48	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	417.23	4669.24	7382	5508.29
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

2300378	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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22	3000	1.518	3.096	844.83	4282.45	< 4641.36	< 5615.59
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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: 3/28/2024

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

2300379	601.002.015 Concrete, Class K		658	658
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength( <i>F<sub>c</sub></i> )	Factor ( <i>K<sub>1</sub></i> )	Factor ( <i>K<sub>2</sub></i> )	Standard Deviation ( <i>s</i> )	( <i>F<sub>c</sub></i> + <i>K<sub>1</sub></i> <i>s</i> )	Average Strength( <i>X</i> )	( <i>F<sub>c</sub></i> + <i>K<sub>2</sub></i> <i>s</i> )
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16	4000	1.543	3.233	539.16	4831.92	< 5120	< 5743.1
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2301353	601.002.004 Concrete, Class B Modified		658	634.5
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength( <i>F<sub>c</sub></i> )	Factor ( <i>K<sub>1</sub></i> )	Factor ( <i>K<sub>2</sub></i> )	Standard Deviation ( <i>s</i> )	Average Strength( <i>X</i> )	( <i>F<sub>c</sub></i> + <i>K<sub>2</sub></i> <i>s</i> )	<i>X</i> -( <i>F<sub>c</sub></i> + <i>K<sub>2</sub></i> <i>s</i> )/200
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45	4000	1.5	3	580.92	5996	> 5742.76	= 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: 3/28/2024

District: 01

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

Last Inspection: 03/07/2024

Sticker Expires: 9/7/2024

Standard Deviation: 737.06

Rating: A-1

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

2000472	601.002.003 Concrete, Class B	07/01/2023	545	545
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
15	3000	1.549	3.27	562.35	3871.08	< 4599.33	< 4838.88
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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

2000476	601.002.003 Concrete, Class B	07/01/2023	545	521.5
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
11	3000	1.588	3.51	625.12	5328.18	> 5194.17	= 23.5
DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							

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

2002587	601.002.013 Concrete, Class H	11/18/2023	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)
26	4000	1.508	3.044	754.18	5137.3	7175.77	6295.72
MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H							

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

2002592	601.002.013 Concrete, Class H	07/13/2023	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)
10	4000	1.604	3.615	647.69	5038.89	7871	6341.4
MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H							

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

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

2003494	601.002.004	01/20/2024	639	639
Concrete, Class B Modified				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13	4000	1.565	3.365	926.34	5449.72	< 5830.77	< 7117.13
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 01

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

Last Inspection: 10/13/2023

Sticker Expires: 4/13/2024

Standard Deviation: 526.21

Rating: A-1

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

2100204	601.002.003		564	564
Concrete, Class B				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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56	3000	1.5	3	592.38	4866.43	> 4777.14	= 0
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2100389	601.002.013		632	632
Concrete, Class H				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	303.97	4487.57	6862	5098.85
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 01 Plant Name: MRM3.01.601 The Wells Group, Winfield WV  
 Last Inspection: 11/02/2023 Sticker Expires: 5/2/2024 Standard Deviation: 711.39 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

2200135 601.002.003   564 564  
 Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
33	3000	1.5	3	834.84	4252.26	< 4575.76	< 5504.52
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

District: 01 Plant Name: RRM1.01.601 The Wells Group, LLC @ Winfield, WV  
 Last Inspection: 11/02/2023 Sticker Expires: 5/2/2024 Standard Deviation: 736.69 Rating: A-1

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

2002600 601.002.003 07/30/2023 546 546  
 Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
12	3000	1.576	3.429	879.23	4385.67	< 4671.67	< 6014.88
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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

2002602 601.002.015 07/30/2023 635 658.5  
 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
11	4000	1.588	3.51	512.74	4760	< 4814.23	= 23.5
INCREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26							



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 02

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

Last Inspection: 08/23/2023

Sticker Expires: 2/23/2024

Standard Deviation: 638.40

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**

1465018	601.002.015 Concrete, Class K		639	592
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**Data Slump Greater than or equal to 2 inches**

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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42      4000      1.5      3      555.03      6214.52 > 5665.09 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K2s)
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16      4000      1.543      3.233      775.79      5197.04 < 5634.06 < 6508.13

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1465064	601.002.003 Concrete, Class B		545	498
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**Data Slump Greater than or equal to 2 inches**

1465064	601.002.003 Concrete, Class B		545	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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13      3000      1.565      3.365      538.1      5818.46 > 4810.71 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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57      3000      1.5      3      474.46      5231.14 > 4423.38 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

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

1465065	601.002.013		636	636
	Concrete, Class H			

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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17	4000	1.538	3.202	543.29	4835.58	6359.12	5739.61
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

2000414	601.002.022		674	627
	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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12	4500	1.576	3.429	278.62	7740.83	> 5455.39	= 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

2003481	601.002.006		564	564
	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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11	4500	1.588	3.51	616.05	5478.29	< 6298.18	< 6662.34
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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

2100824	601.002.004		658	658
	Concrete, Class B Modified			

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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14	4000	1.557	3.313	557.35	4867.79	< 5274.64	< 5846.5
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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: 3/28/2024

District: 02 Plant Name: ERM1.08.601 Heidelberg Materials F-8 @ Huntington, WV  
 Last Inspection: 11/13/2023 Sticker Expires: 5/13/2024 Standard Deviation: 659.52 Rating: A-1

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

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10 3000 1.604 3.615 691.17 4108.64 < 5486 < 5498.58

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

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

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

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

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2002588 601.002.013 643 643  
 Concrete, Class H

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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14 4000 1.557 3.313 925.84 5441.53 7428.21 7067.31

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

2003495 601.002.004 **01/20/2024** 639 639  
 Concrete, Class B Modified

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12 4000 1.576 3.429 543.64 4856.78 < 5362.08 < 5864.14

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 02

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

Last Inspection: 09/07/2023

Sticker Expires: 3/7/2024

Standard Deviation: 646.30

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

2100381	601.002.015 Concrete, Class K		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( $X$ )	( $F_c+K_2s$ )
12	4000	1.576	3.429	572.47	4902.21	< 5581.25	< 5963
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

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

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

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	( $F_c+K_1s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )
15	4000	1.549	3.27	918.04	5422.04	6062	7001.99
MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H							



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

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

Last Inspection: 12/15/2023 Sticker Expires: 6/15/2024 Standard Deviation: 460.18 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**

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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19	3000	1.528	3.151	460.44	3703.55	< 4186.32	< 4450.85
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16	4000	1.543	3.233	301.56	4465.31	6437.5	4974.94
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

Last Inspection: 02/23/2024 Sticker Expires: 8/23/2024 Standard Deviation: 603.83 Rating: A-2

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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40	3000	1.5	3	629.32	3943.98	< 4018.25	< 4887.96
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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: 3/28/2024

District: 04

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

Last Inspection: 01/10/2024

Sticker Expires: 7/10/2024

Standard Deviation: 622.50

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

2100409 601.002.003   564 540.5  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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43 3000 1.5 3 551.2 4837.37 > 4653.6 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

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

2100411 601.002.015   658 681.5  
Concrete, Class K

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K1s)-X/200
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45 4000 1.5 3 695.11 4889.56 < 5042.66 = 23.5

INCREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

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

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

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

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

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 04 Plant Name: CSC1.01.601 Central Supply F-1 @ Saltwell, WV  
 Last Inspection: 02/20/2024 Sticker Expires: 8/20/2024 Standard Deviation: 745.17 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

1434199 601.002.003   545 545  
 Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
31	3000	1.5	3	692.03	4038.04	< 4816.23	< 5076.09
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

District: 04 Plant Name: CSC1.02.601 Central Supply F-2 @ Westover, WV  
 Last Inspection: 08/24/2023 Sticker Expires: 2/24/2024 Standard Deviation: 870.59 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

1434193 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)
27	3000	1.507	3.034	815.45	4228.88	< 4737.78	< 5474.08
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

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

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

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

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 04

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

Last Inspection: 10/23/2023

Sticker Expires: 4/23/2024

Standard Deviation: 641.89

Rating: A-1

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

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

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	( $F_c+K_1s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )
83	3000	1.5	3	722.31	4083.46	< 4601.88	< 5166.93

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2300368	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)	Average Strength( $X$ )	( $F_c+K_2s$ )	$X - (F_c+K_2s)/200$
26	3000	1.508	3.044	663.92	5036.15	> 5020.97	= 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 04

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

Last Inspection: 01/04/2024

Sticker Expires: 7/4/2024

Standard Deviation: 809.34

Rating: A-2

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

2100405	601.002.003 Concrete, Class B	05/18/2023	564	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( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
10	3000	1.604	3.615	937.15	6794	> 6387.8	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							

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

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

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



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 05

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

Last Inspection: 03/13/2024

Sticker Expires: 9/13/2024

Standard Deviation: 672.29

Rating: A-1

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

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

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation ( $s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
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14      3000      1.557      3.313      568.49      6354.71      > 4883.41      =      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: 3/28/2024

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

Last Inspection: 10/26/2023 Sticker Expires: 4/26/2024 Standard Deviation: 625.58 Rating: A-1

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

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

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

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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23 3000 1.515 3.081 584.46 3885.46 < 4150 < 4800.72

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 06

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

Last Inspection: 03/15/2023

Sticker Expires: 9/15/2023

Standard Deviation: 761.05

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

1463293	601.002.004 Concrete, Class B Modified		750	703
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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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53 5000 1.5 3 590.89 7138.3 > 6772.67 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1463293	601.002.004 Concrete, Class B Modified		750	703
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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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53 5000 1.5 3 590.89 7138.3 > 6772.67 = 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 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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113 3000 1.5 3 755.26 5653.45 > 5265.78 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1463331	601.002.015 Concrete, Class K	06/12/2023	658	658
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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17 5300 1.538 3.202 513.89 6090.36 < 6317.06 < 6945.48

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

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

2100560	601.002.014		750	750
	Concrete, Class H Modified			

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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13      5000      1.565      3.365      788.91      7754.62 > 7654.68 = 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2100560	601.002.014		750	750
	Concrete, Class H Modified			

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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15      5000      1.549      3.27      1054.72      6633.76 < 7944 < 8448.93

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2300375	601.002.004		750	750
	Concrete, Class B Modified			

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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10      5000      1.604      3.615      799.33      7891 > 7889.58 = 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2300375	601.002.004		750	750
	Concrete, Class B Modified			

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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63      5000      1.5      3      934.47      6401.7 < 7514.76 < 7803.41

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 06

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

Last Inspection: 03/11/2024

Sticker Expires: 9/11/2024

Standard Deviation: 645.91

Rating: A-1

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

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

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K1$ )	Factor ( $K2$ )	Standard Deviation ( $s$ )	Average Strength( $X$ )	( $F_c+K2s$ )	$X-(F_c+K2s)/200$
16	3000	1.543	3.233	469.49	5826.25	> 4517.86	= 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: 3/28/2024

District: 07

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

Last Inspection: 02/21/2024

Sticker Expires: 8/21/2024

Standard Deviation: 673.26

Rating: A-1

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

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

Pieces of Data	Design Strength (Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength (X)	(Fc+K2s)
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16	3000	1.543	3.233	725.34	4119.2	< 5194.38	< 5345.02
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MAINTAIN CURRENT CEMENT FACTOR, 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: 3/28/2024

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

Last Inspection: 02/22/2024      Sticker Expires: 8/22/2024      Standard Deviation: 655.50      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**

1434201	601.002.003 Concrete, Class B	03/05/2023	545	498
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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22	3000	1.518	3.096	569.49	5160.91	> 4763.14	= 47
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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 Less than 2 inches**

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	X-(Fc+K2s)/200
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34	4000	1.5	3	635.23	6260.29	> 5905.69	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26
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**Data Slump Greater than or equal to 2 inches**

1436389	601.002.015 Concrete, Class K		636	636
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K2s)
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44	4000	1.5	3	796.18	5194.27	< 5987.73	< 6388.54
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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: 3/28/2024

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13	4000	1.565	3.365	571.2	4893.93	6609.23	5922.09
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

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

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

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

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

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

Last Inspection: 02/22/2024 Sticker Expires: 8/22/2024 Standard Deviation: 596.73 Rating: A-1

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

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

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

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 08

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

Last Inspection: 11/14/2023

Sticker Expires: 5/14/2024

Standard Deviation: 405.82

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

2100542 601.002.003   564 517  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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16 3000 1.543 3.233 346.95 4645.62 > 4121.69 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

2100840 601.002.004   555 555  
Concrete, Class B Modified

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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22 4000 1.518 3.096 474.16 4719.77 < 4837.27 < 5468

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2200183 601.002.004   564 564  
Concrete, Class B Modified

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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49 4000 1.5 3 395.61 4593.42 < 4841.43 < 5186.83

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: 3/28/2024

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

Last Inspection: 11/14/2023 Sticker Expires: 5/14/2024 Standard Deviation: 613.85 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

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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27 3000 1.507 3.034 799.31 6149.63 > 5425.11 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

2200103 601.002.003 564 517  
Concrete, Class B

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

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

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

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

Last Inspection: 11/17/2023 Sticker Expires: 5/17/2024 Standard Deviation: 694.59 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

2200112 601.002.003 [REDACTED] 564 564  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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15 3000 1.549 3.27 703.09 4089.09 < 4457.33 < 5299.1

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2200142 601.002.003 [REDACTED] 564 540.5  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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11 3000 1.588 3.51 510.52 5024.55 > 4791.93 = 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

2200156 601.002.013 [REDACTED] 632 632  
Concrete, Class H

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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22 4000 1.518 3.096 808.57 5227.41 6543.18 6503.33

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

# PCC Plant Evaluation with Cement Factors

Effective Date: 3/28/2024

District: 10 Plant Name: ECI1.01.601 Eastern Concrete Pinville WV  
 Last Inspection: 04/26/2022 Sticker Expires: 10/26/2022 Standard Deviation: 484.54 Rating: B

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

1463324 601.002.003 [REDACTED] 545 498  
 Concrete, Class B

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

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

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

District: 10 Plant Name: JRM1.01.601 Jowar Ready Mix @ laeger, WV  
 Last Inspection: 09/28/2023 Sticker Expires: 3/28/2024 Standard Deviation: 522.12 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 [REDACTED] 615 615  
 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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18 3000 1.533 3.175 595.67 3913.16 < 4688.33 < 4891.25

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

2000463 601.002.013 [REDACTED] 632 632  
 Concrete, Class H

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

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

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H