



**West Virginia  
Department of Transportation**

**PCC Plant Evaluation with Cement Factors**

Effective Date: 6/10/2021

District: 01

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

Last Inspection: 04/26/2021

Sticker Expires: 10/26/2021

Standard Deviation: 759.47

Rating: A-2

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

1461803	601.002.003 Concrete, Class B		564	564
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
30	3000	1.501	3.008	775.76	4164.42	< 4827	< 5333.49
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26							

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 01

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

Last Inspection: 02/23/2021

Sticker Expires: 8/23/2021

Standard Deviation: 613.66

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

1465030 601.002.013 Concrete, Class H  
648 648

<----- 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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36 4000 1.5 3 467.82 4701.73 8631.39 5403.46

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

1465034 601.002.003 Concrete, Class B  
545 498

<----- 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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87 3000 1.5 3 606.93 5168.05 > 4820.79 = 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

1465039 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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44 3000 1.5 3 805.57 5523.41 > 5416.71 = 23.5

DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26

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

2000471 601.002.003 Concrete, Class B  
545 545

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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15 3000 1.549 3.27 586.87 3909.06 < 4835.33 < 4919.06

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

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

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

2002577	601.002.015 Concrete, Class K		639	639
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Pieces of Data	Design Strength( $F_c$ )	Factor ( $K1$ )	Factor ( $K2$ )	Standard Deviation ( $s$ )	( $F_c+K1s$ )	Average Strength( $X$ )	( $F_c+K2s$ )
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11	4000	1.588	3.51	820.65	5303.19	< 5813.64	< 6880.48
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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: 6/10/2021

District: 01

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

Last Inspection: 02/23/2021

Sticker Expires: 8/23/2021

Standard Deviation: 533.17

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

1459826 601.002.013 **11/01/2020** 648 648  
Concrete, Class H

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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22 4000 1.518 3.096 563.28 4855.06 8828.64 5743.91

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

1459830 601.002.013 **11/01/2020** 648 648  
Concrete, Class H

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13 4000 1.565 3.365 509.3 4797.05 8339.23 5713.79

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

1465025 601.002.013 648 648  
Concrete, Class H

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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29 4000 1.503 3.016 514.79 4773.73 8584.14 5552.61

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

1465026 601.002.013 648 648  
Concrete, Class H

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16 4000 1.543 3.233 683.17 5054.13 8963.12 6208.69

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

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

Data Slump Greater than or equal to 2 inches

1465033	601.002.003		545	498
	Concrete, Class B			

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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22	3000	1.518	3.096	558.08	6005	> 4727.82	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							
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District: 01

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

Last Inspection: 02/23/2021

Sticker Expires: 8/23/2021

Standard Deviation: 624.27

Rating: A-1

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

Data Slump Greater than or equal to 2 inches

1465035	601.002.003		545	498
	Concrete, Class B			

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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35	3000	1.5	3	675.91	5905.14	> 5027.73	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26							
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# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 01

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

Last Inspection: 03/12/2021

Sticker Expires: 9/12/2021

Standard Deviation: 627.85

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 Less than 2 inches**

1458929      601.002.003        
 Concrete, Class B

543      496

<----- 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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25      3000      1.511      3.055      615.85      6040.8      > 4881.42      =      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**

1458962      601.002.003        
 Concrete, Class B

543      496

<----- 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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25      3000      1.511      3.055      615.85      6040.8      > 4881.42      =      47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1458962      601.002.003        
 Concrete, Class B

543      543

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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20      3000      1.525      3.13      827.38      4261.75      < 4679.5      < 5589.7

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 01

Plant Name: VBC1.03.601 The Wells Group @ Robertsburg

Last Inspection: 12/18/2020

Sticker Expires: 6/18/2021

Standard Deviation: 720.22

Rating: A-1

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

1461856      601.002.003        
 Concrete, Class B

545      545

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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25      3000      1.511      3.055      652.96      3986.62      < 4716      < 4994.79

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: 6/10/2021

District: 02

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

Last Inspection: 03/01/2021

Sticker Expires: 9/1/2021

Standard Deviation: 549.73

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**

1424602	601.002.003 Concrete, Class B		550	526.5
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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11      3000      1.588      3.51      475.32      4915.45 > 4668.37 = 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 Less than 2 inches**

1465018	601.002.015 Concrete, Class K		639	592
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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17      4000      1.538      3.202      772.2      7195.59 > 6472.58 = 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**

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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55      3000      1.5      3      312      5023.73 > 3936 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

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

Last Inspection: 03/03/2021 Sticker Expires: 9/3/2021 Standard Deviation: 646.14 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

1461810 601.002.003 **05/21/2021** 545 545  
Concrete, Class B

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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13 3000 1.565 3.365 760.13 4189.6 < 4498.46 < 5557.84

MAINTAIN CURRENT CEMENT FACTOR, 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: 03/25/2021 Sticker Expires: 9/25/2021 Standard Deviation: 580.78 Rating: A-1

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

Data Slump Greater than or equal to 2 inches

1394075 601.002.003 549 549  
Concrete, Class B

Pieces of Data	Design Strength( $F_c$ )	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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25 3000 1.511 3.055 647.73 5074.32 > 4978.82 = 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26



# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 02

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

Last Inspection: 05/11/2021

Sticker Expires: 11/11/2021

Standard Deviation: 671.07

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

1420283	601.002.003 Concrete, Class B	01/28/2021	549	549
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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23	3000	1.515	3.081	787.79	4193.5	< 5155.87	< 5427.18
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

1420283	601.002.003 Concrete, Class B	01/28/2021	549	549
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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23	3000	1.515	3.081	787.79	4193.5	< 5155.87	< 5427.18
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

Data Slump Greater than or equal to 2 inches

1455016	601.002.015 Concrete, Class K	02/22/2021	637	637
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12	4000	1.576	3.429	507.25	4799.43	< 5031.67	< 5739.36
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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: 6/10/2021

District: 03

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

Last Inspection: 12/18/2020

Sticker Expires: 6/18/2021

Standard Deviation: 593.94

Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	<----- Evaluation of Cement Requirements ----->							
<b>Data Slump Less than 2 inches</b>					<b>Pieces of Data</b>	<b>Design Strength(Fc)</b>	<b>Factor (K1)</b>	<b>Factor (K2)</b>	<b>Standard Deviation (s)</b>	<b>Average Strength(X)</b>	<b>(Fc+K2s)</b>	<b>X-(Fc+K2s)/200</b>
1461812	601.002.003 Concrete, Class B	05/21/2021	545	498	14	3000	1.557	3.313	508.83	5254.29	> 4685.75	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26												
<b>Data Slump Greater than or equal to 2 inches</b>					<b>Pieces of Data</b>	<b>Design Strength(Fc)</b>	<b>Factor (K1)</b>	<b>Factor (K2)</b>	<b>Standard Deviation (s)</b>	<b>Average Strength(X)</b>	<b>(Fc+K2s)</b>	<b>X-(Fc+K2s)/200</b>
1461812	601.002.003 Concrete, Class B	05/21/2021	545	498	31	3000	1.5	3	590.89	5118.39	> 4772.67	= 47
DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26												

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 03

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

Last Inspection: 02/17/2021

Sticker Expires: 8/17/2021

Standard Deviation: 647.18

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**

1432578 601.002.003  
Concrete, Class B

550 503

<----- 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 3.51 502.2 5345.45 > 4762.72 = 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**

1461813 601.002.003  
Concrete, Class B

05/21/2021 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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11 3000 1.588 3.51 664.96 4055.96 < 5006.36 < 5334.01

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1461813 601.002.003  
Concrete, Class B

05/21/2021 545 545

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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48 3000 1.5 3 594.86 4876.25 > 4784.58 = 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

District: 03

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

Last Inspection: 09/23/2020

Sticker Expires: 3/23/2021

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**

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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17 3000 1.538 3.202 700.85 5442.94 > 5244.12 = 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: 6/10/2021

District: 03

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

Last Inspection: 03/25/2021

Sticker Expires: 9/25/2021

Standard Deviation: 564.50

Rating: A-1

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

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

1465020	601.002.013 Concrete, Class H		618	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)
25	4000	1.511	3.055	944.13	5426.58	7557.6	6884.32

MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

**Data Slump Less than 2 inches**

1465053	601.002.015 Concrete, Class K		639	592
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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
12	4000	1.576	3.429	413.2	6553.33	> 5416.86	= 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1465053	601.002.015 Concrete, Class K		639	615.5
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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	4000	1.525	3.13	569.75	6061	> 5783.32	= 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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----- Evaluation of Cement Requirements ----->

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

1465056	601.002.003 Concrete, Class B		545	545
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
42	3000	1.5	3	497.42	4501.67	> 4492.26	= 0

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

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

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

District: 03

Plant Name: SCC1.01.601 Smith Concrete F-1 @ Porterfield, OH

Last Inspection: 03/04/2021

Sticker Expires: 9/4/2021

Standard Deviation: 705.70

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

1463289	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( $X$ )	( $F_c+K_2s$ )
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14	3000	1.557	3.313	705.7	4098.77	< 4933.57	< 5337.98
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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: 6/10/2021

District: 03 Plant Name: SCC1.02.601 Smith Concrete F-2 @ Reno, OH

Last Inspection: 03/19/2021 Sticker Expires: 9/19/2021 Standard Deviation: 674.03 Rating: A-1

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

Data Slump Greater than or equal to 2 inches

1463290	601.002.003 Concrete, Class B		564	705
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16	4500	1.543	3.233	992.24	6031.03	< 6438.75	< 7707.91
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

Data Slump Greater than or equal to 2 inches

1463330	601.002.022 Concrete, Class DC		705	705
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16	4500	1.543	3.233	992.24	6031.03	< 6438.75	< 7707.91
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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: 6/10/2021

District: 04

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

Last Inspection: 01/29/2021

Sticker Expires: 7/29/2021

Standard Deviation: 608.36

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             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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22      3000      1.518      3.096      672.32      4020.58 <      4825.77 <      5081.5

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1461855      601.002.022             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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10      4500      1.604      3.615      681.16      7554 >      6962.39 =      47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 04

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

Last Inspection: 03/01/2021

Sticker Expires: 9/1/2021

Standard Deviation: 461.57

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

1434199	601.002.003 Concrete, Class B		545	498
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Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation ( $s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
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24	3000	1.513	3.067	464.67	4961.79	> 4425.14	= 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: 6/10/2021

District: 04

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

Last Inspection: 03/01/2021

Sticker Expires: 9/1/2021

Standard Deviation: 671.55

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**

1432547	601.002.013 Concrete, Class H		645	645
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12	4000	1.576	3.429	350.46	4552.32	7498.67	5201.73
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor
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**Data Slump 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
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17	3000	1.538	3.202	512.19	5811.76	> 4640.03	= 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**

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
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36	3000	1.5	3	595.83	5132.94	> 4787.49	= 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**

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(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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25	3500	1.511	3.055	877.48	4825.87	< 5778.4	< 6180.7
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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: 6/10/2021

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

1436406	601.002.015 Concrete, Class K		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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39	4000	1.5	3	561.23	8339.92	> 5683.69	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

Last Inspection: 05/18/2021 Sticker Expires: 11/18/2021 Standard Deviation: 480.08 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

2100211	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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10	3000	1.604	3.615	480.08	3770.05	< 4655	< 4735.49
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

Last Inspection: 12/03/2020 Sticker Expires: 6/3/2021 Standard Deviation: 513.31 Rating: B

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

2100405	601.002.003 Concrete, Class B		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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15	3000	1.549	3.27	541.16	6288.47	> 4769.59	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 05

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

Last Inspection: 03/09/2021

Sticker Expires: 9/9/2021

Standard Deviation: 728.05

Rating: A-1

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

1463272	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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15	3000	1.549	3.27	376.24	6271.33	> 4230.3	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Mix Design Number	Material Code / 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
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17	3000	1.538	3.202	640.3	6048.53	> 5050.24	= 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: 6/10/2021

District: 05

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

Last Inspection: 03/08/2021

Sticker Expires: 9/8/2021

Standard Deviation: 581.17

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

1461807	601.002.003 Concrete, Class B		545	498
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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24	3000	1.513	3.067	703.01	5825.75	> 5156.13	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

Data Slump Greater than or equal to 2 inches

1461808	601.002.015 Concrete, Class K		635	635
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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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15	4000	1.549	3.27	670.72	5038.95	< 5842	< 6193.25
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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: 6/10/2021

District: 05

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

Last Inspection: 03/11/2021

Sticker Expires: 9/11/2021

Standard Deviation: 711.77

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

1389014 - R15 601.002.003 **01/24/2020** 555 519  
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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71 3000 1.5 3 809.78 6045.17 > 5429.34 = 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 Greater than or equal to 2 inches

1398981 601.002.005 **01/24/2020** 566 519  
Concrete, Class B Mass

<----- 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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71 3000 1.5 3 809.78 6045.17 > 5429.34 = 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

2000432 601.002.003 563 516  
Concrete, Class B

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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71 3000 1.5 3 737.56 5745.15 > 5212.68 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

Data Slump Greater than or equal to 2 inches

2000432 601.002.003 563 516  
Concrete, Class B

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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47 3000 1.5 3 632.06 6111.57 > 4896.18 = 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: 6/10/2021

District: 06

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

Last Inspection: 05/14/2021

Sticker Expires: 11/14/2021

Standard Deviation: 377.33

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

1461798	601.002.003 Concrete, Class B	04/05/2021	545	498
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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21	3000	1.521	3.112	399.21	4988.1	> 4242.34	= 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: 6/10/2021

District: 06

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

Last Inspection: 05/14/2021

Sticker Expires: 11/14/2021

Standard Deviation: 551.61

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

1461781	601.002.015 Concrete, Class K	02/15/2021	639	639
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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15	4000	1.549	3.27	533.28	4826.05	< 5185.33	< 5743.83
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1461799	601.002.003 Concrete, Class B	04/05/2021	545	498
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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56	3000	1.5	3	564.66	5053.21	> 4693.98	= 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

1463258	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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18	4000	1.533	3.175	741.86	5137.27	6666.11	6355.41
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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

1901031	601.002.003 Concrete, Class B		545	545
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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16	3000	1.543	3.233	589.65	3909.83	< 4245.62	< 4906.34
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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: 6/10/2021

District: 06

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

Last Inspection: 03/18/2021

Sticker Expires: 9/18/2021

Standard Deviation: 685.26

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

1463293 601.002.004 Concrete, Class B Modified  
 Approved Cement Factor: 750  
 Adjusted Cement Factor: 750

<----- 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 5000 1.588 3.51 655.23 6040.51 < 6193.64 < 7299.86

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1463329 601.002.003 Concrete, Class B  
 Approved Cement Factor: 564  
 Adjusted Cement Factor: 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
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23 3000 1.515 3.081 812.99 5853.91 > 5504.82 = 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

1463337 601.002.006 Concrete, Class B Mass, Modified  
 Approved Cement Factor: 650  
 Adjusted Cement Factor: 650

<----- 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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34 5000 1.5 3 427.4 5641.1 < 5981.18 < 6282.2

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1901030 601.002.022 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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19 4500 1.528 3.151 755.77 7494.21 > 6881.43 = 47

DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26



# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 06

Plant Name: SWC1.01.601 Swank @ Tridelphia, WV

Last Inspection: 02/04/2021

Sticker Expires: 8/4/2021

Standard Deviation: 771.29

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**

2000426	601.002.006		610	610
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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18	4000	1.533	3.175	878	5345.97	< 5977.78	< 6787.65
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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**

2000429	601.002.004		730	824
Concrete, Class B Modified				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K1s)	(Fc+K1s)-X/200
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16	5500	1.543	3.233	511.21	5528.75	< 6288.8	= 94
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INCREASE CEMENT FACTOR BY 94 PER SECTION 3.3 OF MP 711.03.26

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

2000438	601.002.015		658	658
Concrete, Class K				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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27	4000	1.507	3.034	923.93	5392.36	< 6426.67	< 6803.2
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2000438	601.002.015		658	658
Concrete, Class K				

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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45	4000	1.5	3	697.43	5046.14	< 5682.89	< 6092.29
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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: 6/10/2021

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

2000441	601.002.013 Concrete, Class H		648	648
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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138	4000	1.5	3	824.08	5236.12	7697.2	6472.24
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

2000446	601.002.003 Concrete, Class B		564	564
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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13	3000	1.565	3.365	819.67	4282.78	< 5242.85	< 5758.19
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

2000459	601.002.016 Concrete, Class K Modified		655	608
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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15	4500	1.549	3.27	637.63	7978	> 6585.05	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

2000462	601.002.014 Concrete, Class H Modified		648	601
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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16	4000	1.543	3.233	479.88	7471.88	> 5551.45	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

# PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 06

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

Last Inspection: 04/06/2021

Sticker Expires: 10/6/2021

Standard Deviation: 551.89

Rating: A-1

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

Data Slump Greater than or equal to 2 inches

1463244	601.002.003 Concrete, Class B		564	540.5
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Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation ( $s$ )	Average Strength( $X$ )	( $F_c+K_2s$ )	$X-(F_c+K_2s)/200$
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21	3000	1.521	3.112	774.68	5658.1	> 5410.8	= 23.5
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DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 07

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

Last Inspection: 03/04/2021

Sticker Expires: 9/4/2021

Standard Deviation: 512.56

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

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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21	3000	1.521	3.112	433.68	4960.48	> 4349.61	= 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	540.5
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<----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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20	3000	1.525	3.13	688.75	5341.5	> 5155.79	= 23.5
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DECREASE CEMENT FACTOR BY 23.5 PER SECTION 3.3 OF MP 711.03.26



# West Virginia Department of Transportation

## PCC Plant Evaluation with Cement Factors

Effective Date: 6/10/2021

District: 08

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

Last Inspection: 03/03/2021

Sticker Expires: 9/3/2021

Standard Deviation: 643.19

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		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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34	3000	1.5	3	658.3	3987.45	< 4875	< 4974.9
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	810.63	5300.25	< 6481	< 6930.43
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1436389	601.002.015 Concrete, Class K		636	636
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Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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12	4000	1.576	3.429	443.48	4698.92	< 5392.5	< 5520.69
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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: 6/10/2021

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

1436443	601.002.013		628	628
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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31	4000	1.5	3	632.37	4948.56	7094.84	5897.11
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

1459834	601.002.004		636	636
Concrete, Class B Modified				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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10	4000	1.604	3.615	704	5129.22 <	5739 <	6544.96
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MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1901026	601.002.013		633	633
Concrete, Class H				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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22	4000	1.518	3.096	653.56	4992.1	6589.09	6023.42
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

District: 08

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

Last Inspection: 09/25/2020

Sticker Expires: 3/25/2021

Standard Deviation: 523.81

Rating: B

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

1461837	601.002.004		636	636
Concrete, Class B Modified				

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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18	4000	1.533	3.175	714.48	5095.3 <	6182.22 <	6268.47
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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: 6/10/2021

District: 09

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

Last Inspection: 05/25/2021

Sticker Expires: 11/25/2021

Standard Deviation: 796.24

Rating: A-1

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

1432590	601.002.003		543	590
	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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11	3000	1.588	3.51	768.76	3929.09	< 4220.79	= 47
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INCREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

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

1434222	601.002.003		543	543
	Concrete, Class B			

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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37	3000	1.5	3	925.03	4387.54	< 4608.92	< 5775.09
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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: 6/10/2021

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

Last Inspection: 05/25/2021 Sticker Expires: 11/25/2021 Standard Deviation: 615.46 Rating: A-1

Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	----- Evaluation of Cement Requirements ----->								
Data Slump Greater than or equal to 2 inches					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)	
1434176	601.002.015 Concrete, Class K		632	632	17	4000	1.538	3.202	681.6	5048.3	< 5678.82	< 6182.48	
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26													
Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	----- Evaluation of Cement Requirements ----->								
Data Slump Greater than or equal to 2 inches					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200	
1434221	601.002.003 Concrete, Class B		543	496	19	3000	1.528	3.151	604.74	5757.89	> 4905.54	= 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	----- Evaluation of Cement Requirements ----->								
Data Slump Greater than or equal to 2 inches					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)	
1463335	601.002.003 Concrete, Class B		545	545	10	3000	1.604	3.615	553.18	3887.3	< 4171	< 4999.75	
MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26													
Mix Design Number	Material Code / Class of Mix	Expired Date	Approved Cement Factor	Adjusted Cement Factor	----- Evaluation of Cement Requirements ----->								
Data Slump Greater than or equal to 2 inches					Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)	
1465019	601.002.004 Concrete, Class B Modified		594	594	81	3500	1.5	3	737.06	4605.59	< 5059.85	< 5711.18	
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: 6/10/2021

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

Last Inspection: 05/17/2021      Sticker Expires: 11/17/2021      Standard Deviation: 569.25      Rating: A-1

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

1432575	601.002.003		543	496
Concrete, Class B				

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

Pieces of Data	Design Strength( $F_c$ )	Factor ( $K_1$ )	Factor ( $K_2$ )	Standard Deviation (s)	Average Strength( $X$ )	( $F_c+K_2s$ )	X- ( $F_c+K_2s$ )/200
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11	3000	1.588	3.51	549.52	5401.82	> 4928.82	= 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

1463301	601.002.003		545	545
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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19	3000	1.528	3.151	598.32	3914.23	< 4627.37	< 4885.31
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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: 6/10/2021

District: 10

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

Last Inspection: 05/12/2021

Sticker Expires: 11/12/2021

Standard Deviation: 654.78

Rating: A-1

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

Data Slump Greater than or equal to 2 inches

1463299	601.002.003 Concrete, Class B		545	545
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Pieces of Data	Design Strength( $F_c$ )	Factor ( $K1$ )	Factor ( $K2$ )	Standard Deviation ( $s$ )	( $F_c+K1s$ )	Average Strength( $X$ )	( $F_c+K2s$ )
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173	3000	1.5	3	680.56	4020.84	< 4887.51	< 5041.68
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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: 6/10/2021

District: 10

Plant Name: EC11.01.601 Eastern Concrete Pinville WV

Last Inspection: 04/15/2021

Sticker Expires: 10/15/2021

Standard Deviation: 867.27

Rating: A-1

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

1463324 601.002.003  
Concrete, Class B

545 639

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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23 4000 1.515 3.081 728.33 5103.42 < 5421.3 < 6243.98

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1463325 501.002.001  
Concrete, Pavement

545 545

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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114 3000 1.5 3 783.77 4175.66 < 4962.28 < 5351.31

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1463326 601.002.015  
Concrete, Class K

639 639

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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23 4000 1.515 3.081 728.33 5103.42 < 5421.3 < 6243.98

MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26

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

1463327 601.002.022  
Concrete, Class DC

605 581.5

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

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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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: 6/10/2021

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

1463328	601.002.013 Concrete, Class H		631	631
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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27	4000	1.507	3.034	887.16	5336.95	5308.89	6691.64
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MAINTAIN CURRENT CEMENT FACTOR, CONCRETE, CLASS H

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

1465023	601.002.003 Concrete, Class B		564	564
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	(Fc+K1s)	Average Strength(X)	(Fc+K2s)
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37	3000	1.5	3	872.95	4309.42	< 5551.62	< 5618.85
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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

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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71	3000	1.5	3	748.19	5692.68	> 5244.57	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26

District: 10

Plant Name: JRM1.01.601 Jowar Ready Mix @ laeger, WV

Last Inspection: 03/16/2021

Sticker Expires: 9/16/2021

Standard Deviation: 499.44

Rating: A-1

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

1463341	601.002.003 Concrete, Class B		615	568
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----- Evaluation of Cement Requirements ----->

Pieces of Data	Design Strength(Fc)	Factor (K1)	Factor (K2)	Standard Deviation (s)	Average Strength(X)	(Fc+K2s)	X-(Fc+K2s)/200
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12	3000	1.576	3.429	481.65	5289.17	> 4651.58	= 47
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DECREASE CEMENT FACTOR BY 47 PER SECTION 3.3 OF MP 711.03.26