



West Virginia Department of Transportation

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 07

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

Last Inspection: 09/12/2018

Sticker Expires: 3/12/2019

Standard Deviation: 520.44

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434200 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434200 | 601.002.003 Concrete, Class B | | 2.87 | 2.63 | 32 | 3000 | 1.5 | 3 | 529.92 | 4963.12 | > 4589.76 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434200 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 19 | 3000 | 1.528 | 3.151 | 611 | 3933.61 | < 4822.63 | < 4925.26 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434200 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434211 | 601.002.001 Concrete, Class A | | 3.47 | 3.47 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434213 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434217 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|---|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434225 | 601.002.004 Concrete, Class B Modified | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|---|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434229 | 601.002.016 Concrete, Class K Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434233 | 601.002.011 Concrete, Class D | | 2.04 | 2.04 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434237 | 601.002.009 Concrete, Class C | 04/09/2017 | 2.5 | 2.5 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436388 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436444 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455043 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459838 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459842 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461801 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 09

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

Last Inspection: 05/29/2018

Sticker Expires: 11/29/2018

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

Last Two Years of Data Slump Greater than or equal to 2 inches

1432590 601.002.003 2.87 2.87
Concrete, Class B

3

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

Last One Year of Data Slump Less than 2 inches

1434175 601.002.015 **10/28/2016** 3.35 3.35
Concrete, Class K

2

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

1434179 601.002.013 **11/05/2016** 3.45 3.45
Concrete, Class H

0

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

1434222 601.002.003 **04/01/2017** 2.87 2.87
Concrete, Class B

0

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436394 | 601.002.022 Concrete, Class DC | 05/08/2017 | 3.59 | 3.59 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436429 | 501.002.001 Concrete, Pavement | 07/02/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436433 | 679.002.002 Concrete, Microsilica | 10/23/2016 | 3.82 | 3.82 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436461 | 601.002.023 Concrete, Class H-IC | 02/11/2018 | 0 | 0 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436465 | 601.002.013 Concrete, Class H | 03/20/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459809 | 601.002.001 Concrete, Class A | | 3.60 | 3.60 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461848 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 10

Plant Name: BMC1.02.601 Central Supply F-10 @ Wolfpen, WV

Last Inspection: 05/14/2018

Sticker Expires: 11/14/2018

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434170 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434171 | 679.002.002 Concrete, Microsilica | 10/25/2016 | 4.43 | 4.43 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434183 | 601.002.003 Concrete, Class B | 11/07/2016 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434186 | 601.002.013 Concrete, Class H | 11/13/2016 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436468 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436469 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455007 | 601.002.022 Concrete, Class DC | | 3.61 | 3.61 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 10

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

Last Inspection: 05/15/2018

Sticker Expires: 11/15/2018

Standard Deviation: 620.47

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434168 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434168 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434173 | 679.002.002 Concrete, Microsilica | 10/23/2016 | 4.43 | 4.43 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|-----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434181 | 601.002.003 Concrete, Class B | 11/07/2016 | 2.87 | 2.87 | 12 | 3000 | 1.576 | 3.429 | 443.51 | 3698.97 < | 4358.83 < | 4520.8 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434181 | 601.002.003 Concrete, Class B | 11/07/2016 | 2.87 | 2.87 | 26 | 3000 | 1.508 | 3.044 | 665.86 | 4004.12 < | 4940.19 < | 5026.88 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434181 | 601.002.003 Concrete, Class B | 11/07/2016 | 2.87 | 2.87 | 12 | 3000 | 1.576 | 3.429 | 443.51 | 3698.97 < | 4358.83 < | 4520.8 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434181 | 601.002.003 Concrete, Class B | 11/07/2016 | 2.87 | 2.87 | 31 | 3000 | 1.5 | 3 | 557.8 | 3836.7 < | 4251.94 < | 4673.4 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434184 | 601.002.013 Concrete, Class H | 11/13/2016 | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436467 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455001 | 601.002.013 Concrete, Class H | 05/13/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455005 | 601.002.022 Concrete, Class DC | | 3.61 | 3.61 | 19 | 4500 | 1.528 | 3.151 | 983.1 | 6002.18 | < 6856.32 | < 7597.75 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455005 | 601.002.022 Concrete, Class DC | | 3.61 | 3.61 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 10

Plant Name: BMC1.04.601 Central Supply F-12 @ Bluefield, WV

Last Inspection: 05/15/2018

Sticker Expires: 11/15/2018

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

Last Two Years of Data Slump Greater than or equal to 2 inches

1434169 601.002.015
 Concrete, Class K 3.35 3.35

1

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

1434172 679.002.002
 Concrete, Microsilica 4.43 4.43

0

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

Last Two Years of Data Slump Greater than or equal to 2 inches

1434182 601.002.003
 Concrete, Class B 2.87 2.87

2

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

1434185 601.002.013
 Concrete, Class H 3.45 3.45

0

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436487 | 601.002.013 Concrete, Class H | 05/13/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455006 | 601.002.022 Concrete, Class DC | | 3.61 | 3.61 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 09

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

Last Inspection: 12/04/2017

Sticker Expires: 6/4/2018

Standard Deviation: 909.45

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1421086 | 601.002.003 Concrete, Class B | 04/19/2017 | 2.88 | 2.88 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432591 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 24 | 3000 | 1.513 | 3.067 | 1081.81 | 4636.78 | < 5332.08 | < 6317.91 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432591 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434176 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434176 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434176 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434180 | 601.002.013 Concrete, Class H | 11/05/2016 | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434221 | 601.002.003 Concrete, Class B | 04/01/2017 | 2.87 | 2.87 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434221 | 601.002.003 Concrete, Class B | 04/01/2017 | 2.87 | 2.63 | 10 | 3000 | 1.604 | 3.615 | 530.03 | 5812 | > 4916.06 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434221 | 601.002.003 Concrete, Class B | 04/01/2017 | 2.87 | 2.87 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436395 | 601.002.022 Concrete, Class DC | 05/08/2017 | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436430 | 501.002.001 Concrete, Pavement | 07/02/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436459 | 601.002.023 Concrete, Class H-IC | 02/19/2018 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436466 | 601.002.013 Concrete, Class H | 03/20/2018 | 0 | 0 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459801 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459801 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459810 | 601.002.002 Concrete, Class A Modified | | 3.60 | 3.60 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X - (F_c+K_1s)/1.4$ |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|----------------------|
| 1461849 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 10

Plant Name: BMC1.06.601 Central Supply F-14 @ Beckley, WV

Last Inspection: 05/10/2018

Sticker Expires: 11/10/2018

Standard Deviation: 850.96

Rating: A-2

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424532 | 679.002.002 Concrete, Microsilica | | 3.82 | 2.87 | 143 | 3000 | 1.5 | 3 | 859.64 | 4289.46 | < 4639.3 | < 5578.92 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1432573 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432573 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 52 | 3000 | 1.5 | 3 | 1030.88 | 4546.32 | < 5269.23 | < 6092.64 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1432573 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 20 | 3000 | 1.525 | 3.13 | 957.83 | 4460.69 | < 4911 | < 5998.01 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432573 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 143 | 3000 | 1.5 | 3 | 859.64 | 4289.46 | < 4639.3 | < 5578.92 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1432573 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 9 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432573 | 601.002.003 Concrete, Class B | | 2.87 | 2.63 | 25 | 3000 | 1.511 | 3.055 | 306.16 | 4447.6 | > 3935.32 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1432589 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434174 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434178 | 601.002.013 Concrete, Class H | 10/31/2016 | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434223 | 601.002.003 Concrete, Class B | 04/02/2017 | 0 | 0 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436393 | 601.002.022 Concrete, Class DC | 05/08/2017 | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| 1436428 | 501.002.001 Concrete, Pavement | 07/02/2017 | 3.35 | 3.11 | 18 | 3000 | 1.533 | 3.175 | 1172.74 | 7231.11 | > 6723.45 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436460 | 601.002.023 Concrete, Class H-IC | 02/14/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436464 | 601.002.013 Concrete, Class H | 03/19/2018 | 3.45 | 3.45 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436486 | 601.002.013 Concrete, Class H | 05/13/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1437174 | 601.002.015 Concrete, Class K | 10/28/2016 | 3.34 | 3.34 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459808 | 601.002.001 Concrete, Class A | | 3.60 | 3.60 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459829 | 501.002.003 Concrete, Roller Compacted | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459835 | 601.002.004 Concrete, Class B Modified | | 3.24 | 3.24 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461847 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 03

Plant Name: CCC1.01.601 Cardinal Concrete F-1 @ Ravenswood, WV

Last Inspection: 04/03/2018

Sticker Expires: 10/3/2018

Standard Deviation: 431.57

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last Two Years of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1398978 | 601.002.013 Concrete, Class H | | 3.23 | 3.23 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

| | | | | | | | | | | | | |
|---|----------------------------------|------------|-----|-----|---|--|--|--|--|--|--|--|
| 1434177 | 601.002.003 Concrete, Class B | 10/25/2016 | 2.9 | 2.9 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last Two Years of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|--|----------------------------------|--|------|------|----|------|-------|-------|-------|---------|-----------|--------|
| 1436396 | 601.002.003 Concrete, Class B | | 2.87 | 2.63 | 21 | 3000 | 1.521 | 3.112 | 392.3 | 4330.52 | > 4220.84 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

Last One Year of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1436396 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436397 | 601.002.015 Concrete, Class K | 05/09/2017 | 0 | 0 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455072 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461784 | 679.002.002 Concrete, Microsilica | | 3.85 | 3.85 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461812 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461816 | 601.002.015 Concrete, Class K | | 3.36 | 3.36 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461820 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461854 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 03

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

Last Inspection: 04/16/2018

Sticker Expires: 10/16/2018

Standard Deviation: 780.41

Rating: A-2

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|-----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432578 | 601.002.003 Concrete, Class B | | 2.92 | 2.92 | 27 | 3000 | 1.507 | 3.034 | 766.81 | 4155.58 < | 4707.41 < | 5326.5 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1432578 | 601.002.003 Concrete, Class B | | 2.92 | 2.92 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432578 | 601.002.003 Concrete, Class B | | 2.92 | 2.92 | 24 | 3000 | 1.513 | 3.067 | 882.42 | 4335.1 < | 5578.33 < | 5706.38 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432579 | 601.002.003 Concrete, Class B | | 2.89 | 2.89 | 11 | 3000 | 1.588 | 3.51 | 802.77 | 4180 < | 4274.8 = | 0 |
| | | | | | INCREASE CEMENT FACTOR BY 0 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455049 | 601.002.015 Concrete, Class K | | 3.59 | 3.59 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455049 | 601.002.015 Concrete, Class K | | 3.59 | 3.59 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| 1459845 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|-------------------|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| 1461785 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| 1461813 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| 1461817 | 601.002.015 Concrete, Class K | | 3.36 | 3.36 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K1s) | (Fc+K1s)-X/1.4 Increase |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|-------------------------|
| 1461821 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 04

Plant Name: CCC1.03.601 Cardinal Concrete F-3 @ Bridgeport, WV

Last Inspection: 09/10/2018

Sticker Expires: 3/10/2019

Standard Deviation: 649.34

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434187 | 601.002.003 Concrete, Class B | 11/14/2016 | 2.87 | 2.63 | 37 | 3000 | 1.5 | 3 | 598.94 | 4861.62 | > 4796.82 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434187 | 601.002.003 Concrete, Class B | 11/14/2016 | 2.87 | 2.87 | 38 | 3000 | 1.5 | 3 | 691.53 | 4037.3 | < 4999.5 | < 5074.59 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434187 | 601.002.003 Concrete, Class B | 11/14/2016 | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434187 | 601.002.003 Concrete, Class B | 11/14/2016 | 2.87 | 2.63 | 37 | 3000 | 1.5 | 3 | 598.94 | 4861.62 | > 4796.82 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434187 | 601.002.003 Concrete, Class B | 11/14/2016 | 2.87 | 2.87 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434188 | 601.002.015 Concrete, Class K | 11/14/2016 | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434188 | 601.002.015 Concrete, Class K | 11/14/2016 | 3.35 | 3.35 | 4 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434188 | 601.002.015 Concrete, Class K | 11/14/2016 | 3.35 | 3.35 | 4 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434188 | 601.002.015 Concrete, Class K | 11/14/2016 | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|---|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436458 | 601.002.004 Concrete, Class B Modified | 01/28/2018 | 0 | 0 | 0 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455051 | 601.002.013 | | 3.45 | 3.45 | 4 | | | | | | | |
| | Concrete, Class H | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455051 | 601.002.013 | | 3.45 | 3.45 | 4 | | | | | | | |
| | Concrete, Class H | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455051 | 601.002.013 | | 3.45 | 3.45 | 4 | | | | | | | |
| | Concrete, Class H | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455080 | 601.002.022 | | 3.74 | 3.74 | 6 | | | | | | | |
| | Concrete, Class DC | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455080 | 601.002.022 | | 3.74 | 3.74 | 11 | 4500 | 1.588 | 3.51 | 759.31 | 5705.78 | < 6931.82 | < 7165.18 |
| | Concrete, Class DC | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455080 | 601.002.022 | | 3.74 | 3.74 | 2 | | | | | | | |
| | Concrete, Class DC | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461786 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461822 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461855 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 04

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

Last Inspection: 09/07/2018

Sticker Expires: 3/7/2019

Standard Deviation: 691.45

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1396849 | 601.002.015 Concrete, Class K | 06/04/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434196 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434197 | 601.002.004 Concrete, Class B Modified | 01/24/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434198 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434199 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434199 | 601.002.003 Concrete, Class B | | 2.87 | 2.63 | 54 | 3000 | 1.5 | 3 | 666.32 | 5051.41 | > 4998.96 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434199 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434199 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 64 | 3000 | 1.5 | 3 | 700.37 | 4050.56 | < 4956.2 | < 5101.11 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434199 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436402 | 601.002.015 Concrete, Class K | 05/14/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| 1436403 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 23 | 4000 | 1.515 | 3.081 | 643.08 | 4974.27 | < 5457.52 | < 5981.33 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| 1436403 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 25 | 4000 | 1.511 | 3.055 | 686.71 | 5037.62 | < 6017.2 | < 6097.9 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436405 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436411 | 601.002.011 Concrete, Class D | 05/16/2017 | 2.17 | 2.17 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436412 | 601.002.009 Concrete, Class C | 05/16/2017 | 2.2 | 2.2 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436413 | 601.002.001 Concrete, Class A | 05/16/2017 | 3.47 | 3.47 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436419 | 601.002.001 Concrete, Class A | 06/17/2017 | 3.47 | 3.47 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436462 | 601.002.023 Concrete, Class H-IC | 03/25/2018 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455036 | 601.002.022 Concrete, Class DC | | 3.58 | 3.58 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455036 | 601.002.022 Concrete, Class DC | | 3.58 | 3.58 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | 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) |
|---|------------------------------|--------------|------------------------|------------------------|---|--------------------------|------------------|------------------|----------------------------|----------------|-------------------------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458960 | 601.002.016 | | 3.47 | 3.47 | 11 | 4000 | 1.588 | 3.51 | 788.05 | 5251.42 | < 6405.73 | < 6766.06 |
| | Concrete, Class K Modified | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 04

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

Last Inspection: 03/07/2018

Sticker Expires: 9/7/2018

Standard Deviation: 754.51

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434189 | 601.002.011 Concrete, Class D | 01/23/2017 | 2.04 | 2.04 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434190 | 601.002.009 Concrete, Class C | 01/23/2017 | 2.5 | 2.5 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434191 | 601.002.015 Concrete, Class K | 01/28/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434192 | 601.002.003 Concrete, Class B | 01/28/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434193 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434193 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 24 | 3000 | 1.513 | 3.067 | 687.98 | 4040.91 | < 4715.92 | < 5110.03 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434193 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434193 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 32 | 3000 | 1.5 | 3 | 874.52 | 4311.78 | < 5315.31 | < 5623.56 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434193 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434193 | 601.002.003 Concrete, Class B | 01/24/2017 | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434194 | 601.002.001 Concrete, Class A | 01/24/2017 | 3.47 | 3.47 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434195 | 601.002.001 Concrete, Class A | 01/24/2017 | 3.47 | 3.47 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436404 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436406 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436406 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436463 | 601.002.023 Concrete, Class H-IC | 03/26/2018 | 3.44 | 3.44 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455037 | 601.002.022 Concrete, Class DC | | 3.58 | 3.58 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458961 | 601.002.016 Concrete, Class K Modified | | 3.47 | 3.47 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459833 | 501.002.003 Concrete, Roller Compacted | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 08

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

Last Inspection: 03/14/2018

Sticker Expires: 9/14/2018

Standard Deviation: 679.95

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|-----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434201 | 601.002.003 | | 2.87 | 2.87 | 28 | 3000 | 1.505 | 3.024 | 641.39 | 3965.29 < | 4812.5 < | 4939.56 |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434201 | 601.002.003 | | 2.87 | 2.87 | 1 | | | | | | | |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434201 | 601.002.003 | | 2.87 | 2.87 | 51 | 3000 | 1.5 | 3 | 712.34 | 4068.51 < | 4666.47 < | 5137.02 |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434201 | 601.002.003 | | 2.87 | 2.87 | 22 | 3000 | 1.518 | 3.096 | 770.08 | 4168.98 < | 5015.45 < | 5384.17 |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434212 | 601.002.001 | | 3.47 | 3.47 | 1 | | | | | | | |
| | Concrete, Class A | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434212 | 601.002.001 | | 3.47 | 3.47 | 2 | | | | | | | |
| | Concrete, Class A | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434214 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434218 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434226 | 601.002.004 Concrete, Class B Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434230 | 601.002.016 Concrete, Class K Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434234 | 601.002.011 Concrete, Class D | | 2.04 | 2.04 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434238 | 601.002.009 Concrete, Class C | 04/09/2017 | 2.5 | 2.5 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436389 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436389 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436443 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436443 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455042 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|---|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459834 | 601.002.004 Concrete, Class B Modified | | 3.37 | 3.37 | 9 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459834 | 601.002.004 Concrete, Class B Modified | | 3.37 | 3.13 | 16 | 4000 | 1.543 | 3.233 | 473.03 | 6396.88 | > 5529.31 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459837 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459841 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459844 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461800 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461824 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461826 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461828 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461830 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461832 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461845 | 601.002.001 Concrete, Class A | | 3.47 | 3.47 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 07

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

Last Inspection: 09/18/2018

Sticker Expires: 3/18/2019

Standard Deviation: 536.92

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434202 | 601.002.003 | | 2.87 | 2.63 | 31 | 3000 | 1.5 | 3 | 559.91 | 5156.77 | > 4679.73 | = 0.24 |
| | Concrete, Class B | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434202 | 601.002.003 | | 2.87 | 2.63 | 17 | 3000 | 1.538 | 3.202 | 538.32 | 5187.06 | > 4723.7 | = 0.24 |
| | Concrete, Class B | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434202 | 601.002.003 | | 2.87 | 2.87 | 2 | | | | | | | |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434215 | 601.002.003 | | 2.87 | 2.87 | 2 | | | | | | | |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434219 | 601.002.015 | | 3.35 | 3.35 | 1 | | | | | | | |
| | Concrete, Class K | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434228 | 601.002.004 Concrete, Class B Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434232 | 601.002.016 Concrete, Class K Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434235 | 601.002.011 Concrete, Class D | | 2.04 | 2.04 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434239 | 601.002.009 Concrete, Class C | 04/09/2017 | 2.5 | 2.5 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436390 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436390 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436414 | 601.002.001 Concrete, Class A | | 3.47 | 3.47 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436446 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455045 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458980 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.58 | 10 | 4000 | 1.604 | 3.615 | 872.94 | 8422 | > 7155.68 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458980 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.58 | 15 | 4000 | 1.549 | 3.27 | 429.56 | 8146.67 | > 5404.66 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459840 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 07

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

Last Inspection: 09/18/2018

Sticker Expires: 3/18/2019

Standard Deviation: 594.32

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434203 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434203 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 3 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434203 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 8 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434216 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 3 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1434220 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1434220 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|---|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434227 | 601.002.004 Concrete, Class B Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|---|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434231 | 601.002.016 Concrete, Class K Modified | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434236 | 601.002.011 Concrete, Class D | | 2.04 | 2.04 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434240 | 601.002.009 Concrete, Class C | 04/09/2017 | 2.5 | 2.5 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436391 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 7 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436415 | 601.002.001 Concrete, Class A | | 3.47 | 3.47 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436445 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455044 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458979 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 7 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459839 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459843 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 03

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

Last Inspection: 03/12/2018

Sticker Expires: 9/12/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458974 | 601.002.001 Concrete, Class A | | 3.47 | 3.47 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458975 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458976 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458977 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458978 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459812 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459812 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1463246 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

Last Inspection: 06/25/2018 Sticker Expires: 12/25/2018 Standard Deviation: 650.00 Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461825 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461827 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461829 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461831 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461833 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461835 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461836 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461837 | 601.002.004 Concrete, Class B Modified | | 3.37 | 3.37 | 8 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461838 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461846 | 601.002.001 Concrete, Class A | | 3.47 | 3.47 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

Plant Name: CSC2.01.601 Claxton Smith Concrete F-1 @ Poca, WV

Last Inspection: 09/12/2018

Sticker Expires: 3/12/2019

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436416 | 601.002.003 Concrete, Class B | 06/17/2017 | 2.98 | 2.98 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436435 | 601.002.015 Concrete, Class K | 07/16/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436438 | 601.002.022 Concrete, Class DC | 07/16/2017 | 3.61 | 3.61 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436449 | 601.002.013 Concrete, Class H | 07/16/2017 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436474 | 501.002.001 Concrete, Pavement | 04/21/2018 | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436477 | 501.002.001 Concrete, Pavement | 04/20/2018 | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455053 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461804 | 601.002.003 Concrete, Class B | | 2.96 | 2.96 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|-------------------|----------------------------------|--------------|------------------------|------------------------|----------------|---|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461805 | 601.002.003 Concrete, Class B | | 2.95 | 2.95 | 0 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

Plant Name: CSC2.02.601 Claxton Smith Concrete F-2 @ Culloden, WV

Last Inspection: 04/19/2017

Sticker Expires: 10/19/2017

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436417 | 601.002.003 Concrete, Class B | 06/17/2017 | 2.98 | 2.98 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436436 | 601.002.015 Concrete, Class K | 07/16/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436439 | 601.002.022 Concrete, Class DC | 07/16/2017 | 3.61 | 3.61 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436450 | 601.002.013 Concrete, Class H | 07/18/2017 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436472 | 501.002.001 Concrete, Pavement | 04/21/2018 | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436475 | 501.002.002 Concrete, Pavement HES | 04/20/2018 | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455054 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

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

Last Inspection: 09/11/2018

Sticker Expires: 3/11/2019

Standard Deviation: 430.31

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| 1436418 | 601.002.003 Concrete, Class B | 06/17/2017 | 2.98 | 2.74 | 11 | 3000 | 1.588 | 3.51 | 165.34 | 3778.18 | > 3580.34 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436437 | 601.002.015 Concrete, Class K | 07/16/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436440 | 601.002.022 Concrete, Class DC | 07/16/2017 | 3.34 | 3.34 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436451 | 601.002.013 Concrete, Class H | 07/18/2017 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436473 | 501.002.001 Concrete, Pavement | 04/21/2018 | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436476 | 501.002.002 Concrete, Pavement HES | 04/20/2018 | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455055 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1461803 | 601.002.003 Concrete, Class B | | 2.96 | 2.96 | 1 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461803 | 601.002.003 Concrete, Class B | | 2.96 | 2.96 | 7 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461803 | 601.002.003 Concrete, Class B | | 2.96 | 2.96 | 5 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

District: 06

Plant Name: DCC1.01.601 D.W. Dickey Concrete @ Steubenville, OH

Last Inspection: 08/09/2018

Sticker Expires: 2/9/2019

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1399046 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1399046 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 05

Plant Name: DCX1.01.601 Dan Lee Co. F-1 @ Inwood, WV (Transit)

Last Inspection: 04/03/2018

Sticker Expires: 10/3/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458943 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458943 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 10

Plant Name: DHC1.02.601 David Hill Conc. Inc F-2 @ Mabscott, WV

Last Inspection: 11/08/2017

Sticker Expires: 5/8/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last One Year of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1458992 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

Last Three Months of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1458992 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1458993 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last One Year of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|-----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1459836 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| <i>Mix Design Number</i> | <i>Material Code / Class of Mix</i> | <i>Expired Date</i> | <i>Approved Cement Factor</i> | <i>Adjusted Cement Factor</i> | <i>Pieces of Data</i> | <i>Design Strength(Fc</i> | <i>Factor (K1)</i> | <i>Factor (K2)</i> | <i>Standard Deviation (s)</i> | <i>Average Strength(X)</i> | <i>(Fc+K2s)</i> | <i>X-(Fc+K1s)/1.4</i> |
|--------------------------|-------------------------------------|---------------------|-------------------------------|-------------------------------|-----------------------|---|--------------------|--------------------|-------------------------------|----------------------------|-----------------|-----------------------|
| 1461802 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

Last Inspection: 06/13/2018 Sticker Expires: 12/13/2018 Standard Deviation: 650.00 Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1432598 | 601.002.013 Concrete, Class H | 01/07/2017 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459802 | 601.002.013 Concrete, Class H | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459811 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459827 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459831 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461797 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461842 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 06

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

Last Inspection: 05/15/2018

Sticker Expires: 11/15/2018

Standard Deviation: 641.05

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436441 | 601.002.015 Concrete, Class K | 07/17/2017 | 3.34 | 3.34 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436441 | 601.002.015 Concrete, Class K | 07/17/2017 | 3.34 | 3.34 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436441 | 601.002.015 Concrete, Class K | 07/17/2017 | 3.34 | 3.34 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436441 | 601.002.015 Concrete, Class K | 07/17/2017 | 3.34 | 3.34 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436447 | 601.002.003 Concrete, Class B | 07/17/2017 | 2.87 | 2.63 | 15 | 3000 | 1.549 | 3.27 | 410 | 5065.33 | > 4340.7 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436447 | 601.002.003 Concrete, Class B | 07/17/2017 | 2.87 | 2.87 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455087 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 7 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455087 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455089 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458939 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461780 | 601.002.015 Concrete, Class K | | 3.41 | 3.41 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| 1461798 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 18 | 3000 | 1.533 | 3.175 | 664.56 | 4018.77 | < 4507.22 | < 5109.98 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461823 | 601.002.022 Concrete, Class DC | | 3.75 | 3.75 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 06

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

Last Inspection: 05/16/2018

Sticker Expires: 11/16/2018

Standard Deviation: 570.16

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436442 | 601.002.015 Concrete, Class K | 07/17/2017 | 3.34 | 2.63 | 18 | 3000 | 1.533 | 3.175 | 538.66 | 5462.78 | > 4710.25 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436448 | 601.002.003 Concrete, Class B | 07/17/2017 | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436448 | 601.002.003 Concrete, Class B | 07/17/2017 | 2.87 | 2.63 | 18 | 3000 | 1.533 | 3.175 | 538.66 | 5462.78 | > 4710.25 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436448 | 601.002.003 Concrete, Class B | 07/17/2017 | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436448 | 601.002.003 Concrete, Class B | 07/17/2017 | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461779 | 601.002.022 | | 3.75 | 3.75 | 2 | | | | | | | |
| | Concrete, Class DC | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461781 | 601.002.015 | | 3.35 | 3.35 | 5 | | | | | | | |
| | Concrete, Class K | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461781 | 601.002.015 | | 3.35 | 3.35 | 1 | | | | | | | |
| | Concrete, Class K | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461799 | 601.002.003 | | 2.87 | 2.87 | 24 | 3000 | 1.513 | 3.067 | 504.82 | 3763.79 | < 4482.92 | < 4548.28 |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461799 | 601.002.003 | | 2.87 | 2.87 | 11 | 3000 | 1.588 | 3.51 | 633.63 | 4006.2 | < 4742.73 | < 5224.04 |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1461799 | 601.002.003 | | 2.87 | 2.87 | 2 | | | | | | | |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461799 | 601.002.003 | | 2.87 | 2.87 | 24 | 3000 | 1.513 | 3.067 | 504.82 | 3763.79 | < 4482.92 | < 4548.28 |
| | Concrete, Class B | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

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

Last Inspection: 09/05/2018

Sticker Expires: 3/5/2019

Standard Deviation: 568.28

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424567 | 601.002.004 | | 3.34 | 3.34 | 7 | | | | | | | |
| | Concrete, Class B Modified | | | | | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1424572 | 601.002.003 | | 2.87 | 2.87 | 1 | | | | | | | |
| | Concrete, Class B | | | | | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424572 | 601.002.003 | | 2.87 | 2.87 | 101 | 3000 | 1.5 | 3 | 447.41 | 3671.12 | < 4341.39 | < 4342.23 |
| | Concrete, Class B | | | | | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1424572 | 601.002.003 | | 2.87 | 2.87 | 1 | | | | | | | |
| | Concrete, Class B | | | | | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424572 | 601.002.003 | | 2.87 | 2.87 | 47 | 3000 | 1.5 | 3 | 693.31 | 4039.96 | < 4870.64 | < 5079.93 |
| | Concrete, Class B | | | | | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1424599 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436421 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 6 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436421 | 601.002.003 Concrete, Class B | | 2.87 | 2.63 | 38 | 3000 | 1.5 | 3 | 518.33 | 4716.84 | > 4554.99 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436421 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 7 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436421 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 36 | 3000 | 1.5 | 3 | 832.15 | 4248.23 | < 5190.28 | < 5496.45 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436421 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436424 | 601.002.015 Concrete, Class K | 06/24/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436426 | 601.002.022 Concrete, Class DC | | 3.73 | 3.73 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455029 | 601.002.014 Concrete, Class H Modified | 09/03/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458948 | 601.002.015 Concrete, Class K | | 3.83 | 3.83 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458948 | 601.002.015 Concrete, Class K | | 3.83 | 3.83 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459006 | 601.002.015 Concrete, Class K | | 3.39 | 3.39 | 15 | 4000 | 1.549 | 3.27 | 550.1 | 4852.1 | < 4979.33 | < 5798.83 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459828 | 601.002.013 Concrete, Class H | | 3.45 | 3.21 | 35 | 4000 | 1.5 | 3 | 640.91 | 7336.86 | > 5922.73 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459828 | 601.002.013 Concrete, Class H | | 3.45 | 3.21 | 16 | 4000 | 1.543 | 3.233 | 494.2 | 8061.25 | > 5597.75 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459832 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 7 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) | |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|-----------|---------------------|----------|--|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | | |
| 1461792 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 24 | 3000 | 1.513 | 3.067 | 463.97 | 3701.99 < | 4139.29 < | 4423 | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | | |
| 1461792 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) | |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|--|
| 1461794 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) | |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|--|
| 1461839 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 03

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

Last Inspection: 07/24/2018

Sticker Expires: 1/24/2019

Standard Deviation: 631.37

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436398 | 679.002.002 Concrete, Microsilica | 05/15/2017 | 3.82 | 3.82 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436399 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 6 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436399 | 601.002.003 Concrete, Class B | | 2.87 | 2.63 | 12 | 3000 | 1.576 | 3.429 | 352.51 | 4486.67 | > 4208.76 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1436399 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436399 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 26 | 3000 | 1.508 | 3.044 | 748.76 | 4129.13 | < 4233.85 | < 5279.23 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436400 | 601.002.015 Concrete, Class K | 05/14/2017 | 3.34 | 3.34 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455027 | 601.002.023 Concrete, Class H-IC | 09/07/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455050 | 601.002.022 Concrete, Class DC | | 3.73 | 3.73 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455090 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| <i>Mix Design Number</i> | <i>Material Code / Class of Mix</i> | <i>Expired Date</i> | <i>Approved Cement Factor</i> | <i>Adjusted Cement Factor</i> | <i>Pieces of Data</i> | <i>Design Strength(Fc</i> | <i>Factor (K1)</i> | <i>Factor (K2)</i> | <i>Standard Deviation (s)</i> | <i>(Fc+K1s)</i> | <i>Average Strength(X)</i> | <i>(Fc+K2s)</i> |
|--------------------------|-------------------------------------|---------------------|-------------------------------|-------------------------------|-----------------------|---|--------------------|--------------------|-------------------------------|-----------------|----------------------------|-----------------|
| 1461834 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

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

Last Inspection: 09/07/2018

Sticker Expires: 3/7/2019

Standard Deviation: 655.79

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|-----------|---------------------|----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1424571 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424571 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 15 | 3000 | 1.549 | 3.27 | 786.42 | 4218.16 < | 4524 < | 5571.59 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424571 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 13 | 3000 | 1.565 | 3.365 | 614.31 | 3961.4 < | 4656.92 < | 5067.15 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1424600 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1432540 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.82 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436420 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436420 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436423 | 601.002.015 Concrete, Class K | 06/19/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436453 | 601.002.022 Concrete, Class DC | | 3.73 | 3.73 | 7 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|---|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436478 | 601.002.016 Concrete, Class K Modified | 04/20/2018 | 4.07 | 4.07 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436479 | 601.002.015 Concrete, Class K | 04/21/2018 | 4.07 | 4.07 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436480 | 601.002.003 Concrete, Class B | | 4.07 | 4.07 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436481 | 601.002.003 Concrete, Class B | | 4.07 | 4.07 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| 1455088 | 679.002.002 Concrete, Microsilica | | 3.82 | 3.58 | 11 | 4000 | 1.588 | 3.51 | 666.33 | 8322.73 | > 6338.82 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458950 | 601.002.015 Concrete, Class K | | 3.83 | 3.83 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459008 | 601.002.015 Concrete, Class K | | 3.39 | 3.39 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459826 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459830 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461796 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461841 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

Plant Name: ERM1.08.601 Hanson Ready Mix F-8 @ Huntington, WV

Last Inspection: 05/08/2017

Sticker Expires: 11/8/2017

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458946 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458947 | 601.002.015 Concrete, Class K | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459005 | 601.002.015 Concrete, Class K | | 3.39 | 3.39 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

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

Last Inspection: 09/05/2018

Sticker Expires: 3/5/2019

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436422 | 601.002.003 Concrete, Class B | 06/19/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436425 | 601.002.015 Concrete, Class K | 06/24/2017 | 3.34 | 3.34 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436427 | 601.002.022 Concrete, Class DC | 07/02/2017 | 3.73 | 3.73 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1458949 | 601.002.015 Concrete, Class K | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459007 | 601.002.015 Concrete, Class K | | 3.39 | 3.39 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461793 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461795 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461840 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 05

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

Last Inspection: 09/19/2018

Sticker Expires: 3/19/2019

Standard Deviation: 678.31

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last Two Years of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---------|----------------------------------|--|---|---|---|--|--|--|--|--|--|--|
| 1421095 | 601.002.003 Concrete, Class B | | 0 | 0 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

| | | | | | | | | | | | | |
|---------|---|--|------|------|---|--|--|--|--|--|--|--|
| 1421097 | 601.002.004 Concrete, Class B Modified | | 3.33 | 3.33 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last Two Years of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---------|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1421098 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

Last One Year of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---------|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1421098 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

Last Three Months of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---------|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1421098 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1421100 | 601.002.015 Concrete, Class K | | 3.33 | 3.33 | 5 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1421100 | 601.002.015 Concrete, Class K | | 3.33 | 3.33 | 1 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1421100 | 601.002.015 Concrete, Class K | | 3.33 | 3.33 | 6 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1421100 | 601.002.015 Concrete, Class K | | 3.33 | 3.33 | 2 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1421102 | 601.002.013 Concrete, Class H | | 3.44 | 3.44 | 7 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1421102 | 601.002.013 Concrete, Class H | | 3.44 | 3.44 | 4 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1432581 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455035 | 601.002.023 Concrete, Class H-IC | | 3.46 | 3.46 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455046 | 601.002.023 Concrete, Class H-IC | | 3.43 | 3.43 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455076 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 6 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 08

Plant Name: FCC1.02.601 Fairfax Concrete F-2 @ Oakland, MD

Last Inspection: 03/27/2018

Sticker Expires: 9/27/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last One Year of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1424543 | 601.002.015 Concrete, Class K | | 3.33 | 3.33 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

| | | | | | | | | | | | | |
|---|----------------------------------|--|---|---|---|--|--|--|--|--|--|--|
| 1424584 | 601.002.003 Concrete, Class B | | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

| | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1432582 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

| | | | | | | | | | | | | |
|---|-------------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1455034 | 601.002.023 Concrete, Class H-IC | | 3.46 | 3.46 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1455048 | 601.002.023 Concrete, Class H-IC | | 3.43 | 3.43 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1455075 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 08

Plant Name: FCC1.04.601 Fairfax Concrete F-4 @ Thomas WV

Last Inspection: 03/27/2018

Sticker Expires: 9/27/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421146 | 601.002.003 Concrete, Class B | 06/04/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424542 | 601.002.015 Concrete, Class K | | 3.33 | 3.33 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424583 | 601.002.013 Concrete, Class H | | 3.44 | 3.44 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1424583 | 601.002.013 Concrete, Class H | | 3.44 | 3.44 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1432580 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455033 | 601.002.023 Concrete, Class H-IC | | 3.46 | 3.46 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455047 | 601.002.023 Concrete, Class H-IC | | 3.43 | 3.43 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455074 | 601.002.003 Concrete, Class B | | 2.86 | 2.86 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 05

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

Last Inspection: 09/04/2018

Sticker Expires: 3/4/2019

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436470 | 601.002.023 Concrete, Class H-IC | 04/02/2018 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455028 | 601.002.023 Concrete, Class H-IC | 09/07/2018 | 3.46 | 3.46 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461806 | 601.002.004 Concrete, Class B Modified | | 3.34 | 3.34 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461807 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| <i>Mix Design Number</i> | <i>Material Code / Class of Mix</i> | <i>Expired Date</i> | <i>Approved Cement Factor</i> | <i>Adjusted Cement Factor</i> | <i>Pieces of Data</i> | <i>Design Strength(Fc</i> | <i>Factor (K1)</i> | <i>Factor (K2)</i> | <i>Standard Deviation (s)</i> | <i>Average Strength(X)</i> | <i>(Fc+K2s)</i> | <i>X-(Fc+K1s)/1.4</i> |
|--------------------------|-------------------------------------|---------------------|-------------------------------|-------------------------------|-----------------------|---|--------------------|--------------------|-------------------------------|----------------------------|-----------------|-----------------------|
| 1461808 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 09

Plant Name: GRM1.01.601 Greenbrier Ready Mix, Caldwell WV

Last Inspection: 05/29/2018

Sticker Expires: 11/29/2018

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459803 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459814 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459816 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459816 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 06

Plant Name: GTC1.03.601 Golden Triangle F-3 @ Chester, WV

Last Inspection: 05/10/2017

Sticker Expires: 11/10/2017

Standard Deviation: 454.63

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458995 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 4 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458995 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 14 | 3000 | 1.557 | 3.313 | 512.05 | 3797.26 | < 4665.71 | < 4696.42 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458996 | 601.002.003 Concrete, Class B | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| 1458997 | 501.002.001 Concrete, Pavement | | 2.87 | 2.63 | 52 | 3000 | 1.5 | 3 | 449.9 | 5275.19 | > 4349.7 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| 1458997 | 501.002.001 Concrete, Pavement | | 2.87 | 2.63 | 31 | 3000 | 1.5 | 3 | 412.83 | 4821.61 | > 4238.49 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458998 | 501.002.001 Concrete, Pavement | | 3.35 | 3.35 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458998 | 501.002.001 Concrete, Pavement | | 3.35 | 3.11 | 21 | 3000 | 1.521 | 3.112 | 536 | 5444.76 | > 4668.03 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

District: 10 **Plant Name:** JRM1.01.601 Jowar Ready Mix @ laeger, WV

Last Inspection: 09/01/2018 **Sticker Expires:** 3/1/2019 **Standard Deviation:** 650.00 **Rating:** A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455052 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

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

Last Inspection: 03/28/2018

Sticker Expires: 9/28/2018

Standard Deviation: 606.99

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last Two Years of Data Slump Greater than or equal to 2 inches

1398983 601.002.003 05/19/2017 2.87 2.87
Concrete, Class B

2

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

1398987 601.002.015 05/19/2017 3.35 3.35
Concrete, Class K

0

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

1398988 601.002.013 05/19/2017 3.35 3.35
Concrete, Class H

0

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|

Last Two Years of Data Slump Greater than or equal to 2 inches

1455065 601.002.003 2.89 2.89
Concrete, Class B

4

MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1455066 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455066 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455067 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455068 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|--------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461782 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461810 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461814 | 601.002.015 Concrete, Class K | | 3.36 | 3.36 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461818 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461850 | 501.002.001 Concrete, Pavement | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X - (F_c+K_1s)/1.4$ |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|----------------------|
| 1461852 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

Plant Name: MRM2.01.601 Logan Concrete, Inc. - Madison Plant @ Madison,

Last Inspection: 11/29/2017

Sticker Expires: 5/29/2018

Standard Deviation: 553.44

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| 1436409 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 11 | 3000 | 1.588 | 3.51 | 748.42 | 4188.49 | < 4271.82 | < 5626.95 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436409 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1436410 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436482 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436483 | 601.002.004 Concrete, Class B Modified | 05/06/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455030 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461783 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1461811 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461815 | 601.002.015 Concrete, Class K | | 3.36 | 3.36 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461819 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461851 | 501.002.001 Concrete, Pavement | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461853 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

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

Last Inspection: 09/27/2018

Sticker Expires: 3/27/2019

Standard Deviation: 741.81

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458937 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458937 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458937 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 12 | 3000 | 1.576 | 3.429 | 836.98 | 4319.08 | < 4713.33 | < 5870 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458937 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458938 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 3 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458938 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 7 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458938 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 4 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458938 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 3 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458994 | 601.002.003 Concrete, Class B | | 4.07 | 4.07 | 4 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458994 | 601.002.003 Concrete, Class B | | 4.07 | 4.07 | 1 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459003 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459004 | 601.002.013 Concrete, Class H | | 3.45 | 3.21 | 15 | 4000 | 1.549 | 3.27 | 806.59 | 7115.33 | > 6637.55 | = 0.24 |
| DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1459004 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 5 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459824 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459825 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1463253 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1463254 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1463255 | 601.002.003 Concrete, Class B | | 2.89 | 2.89 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1463256 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| <i>Mix Design Number</i> | <i>Material Code / Class of Mix</i> | <i>Expired Date</i> | <i>Approved Cement Factor</i> | <i>Adjusted Cement Factor</i> | <i>Pieces of Data</i> | <i>Design Strength(Fc</i> | <i>Factor (K1)</i> | <i>Factor (K2)</i> | <i>Standard Deviation (s)</i> | <i>Average Strength(X)</i> | <i>(Fc+K2s)</i> | <i>X-(Fc+K1s)/1.4</i> |
|--------------------------|-------------------------------------|---------------------|-------------------------------|-------------------------------|-----------------------|---|--------------------|--------------------|-------------------------------|----------------------------|-----------------|-----------------------|
| 1463258 | 601.002.015 Concrete, Class K | | 3.37 | 3.37 | 0 | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01 Plant Name: RRM1.01.601 Rumble Ready Mix F-1 @ Winfield, WV

Last Inspection: 09/24/2018 Sticker Expires: 3/24/2019 Standard Deviation: 758.03 Rating: A-2

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455041 | 601.002.016 | | 0 | 0 | 7 | | | | | | | |
| | Concrete, Class K Modified | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455041 | 601.002.016 | | 0 | 0 | 1 | | | | | | | |
| | Concrete, Class K Modified | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455099 | 501.002.002 | | 3.35 | 3.35 | 2 | | | | | | | |
| | Concrete, Pavement HES | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455099 | 501.002.002 | | 3.35 | 3.35 | 5 | | | | | | | |
| | Concrete, Pavement HES | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|-----------|---------------------|----------|
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458929 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 22 | 3000 | 1.518 | 3.096 | 628.5 | 3954.06 < | 4689.55 < | 4945.84 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458929 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 22 | 3000 | 1.518 | 3.096 | 628.5 | 3954.06 < | 4689.55 < | 4945.84 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458929 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458931 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458933 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458935 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458962 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1458962 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1458962 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 3 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458964 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458966 | 601.002.024 Concrete, Class B w/ Fly Ash | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458968 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458982 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458984 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|---------------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458988 | 501.002.002 Concrete, Pavement HES | | 3.83 | 3.83 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458990 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01

Plant Name: RRM1.02.601 Rumble Ready Mix F-2 @ Belle, WV

Last Inspection: 10/05/2017

Sticker Expires: 4/5/2018

Standard Deviation: 717.48

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

Last Two Years of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|---------------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1455100 | 501.002.002 Concrete, Pavement HES | | 3.35 | 3.35 | 3 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

Last Two Years of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|---|---|----|------|-------|-------|--------|---------|--------|-----------|
| 1458930 | 601.002.003 Concrete, Class B | | 0 | 0 | 10 | 3000 | 1.604 | 3.615 | 476.75 | 3764.71 | < 4336 | < 4723.45 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |

Last One Year of Data Slump Greater than or equal to 2 inches

| | | | | | | | | | | | | |
|---|----------------------------------|--|---|---|---|--|--|--|--|--|--|--|
| 1458930 | 601.002.003 Concrete, Class B | | 0 | 0 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
|-------------------|------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|

| | | | | | | | | | | | | |
|---|-----------------------------------|--|------|------|---|--|--|--|--|--|--|--|
| 1458932 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458934 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458936 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458963 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458965 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458967 | 601.002.024 Concrete, Class B w/ Fly Ash | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458969 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458983 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458985 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|---------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458989 | 501.002.002 Concrete, Pavement HES | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1458991 | 601.002.022 Concrete, Class DC | | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

District: 03 **Plant Name:** SCC1.01.601 Smith Concrete F-1 @ Porterfield, OH

Last Inspection: 03/13/2018 **Sticker Expires:** 9/13/2018 **Standard Deviation:** 735.63 **Rating:** B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|-----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455069 | 601.002.003 Concrete, Class B | | 2.89 | 2.89 | 68 | 3000 | 1.5 | 3 | 746.87 | 4120.3 | < 5005 | < 5240.61 |
| MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1455069 | 601.002.003 Concrete, Class B | | 2.89 | 2.89 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455069 | 601.002.003 Concrete, Class B | | 2.89 | 2.89 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 03

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

Last Inspection: 02/20/2018

Sticker Expires: 8/20/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 143224 | 601.002.003 Concrete, Class B | 04/04/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434224 | 601.002.003 Concrete, Class B | 04/04/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1455070 | 601.002.003 Concrete, Class B | | 2.91 | 2.91 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455070 | 601.002.003 Concrete, Class B | | 2.91 | 2.91 | 2 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 09 Plant Name: SSC1.01.601 Superior Supply @ Caldwell, WV

Last Inspection: 03/13/2018 Sticker Expires: 9/13/2018 Standard Deviation: 650.00 Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455077 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459815 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1459817 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 05

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

Last Inspection: 09/13/2018

Sticker Expires: 3/13/2019

Standard Deviation: 786.52

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| I389014 - R15 | 601.002.003 Concrete, Class B | | 0 | 0 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| I389014 - R15 | 601.002.003 Concrete, Class B | | 0 | -0.24 | 18 | 3000 | 1.533 | 3.175 | 780.5 | 6640.61 | > 5478.09 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| I389014 - R15 | 601.002.003 Concrete, Class B | | 0 | -0.24 | 50 | 3000 | 1.5 | 3 | 780.93 | 6358.02 | > 5342.79 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Less than 2 inches | | | | | | | | | | | | |
| I389014 - R15 | 601.002.003 Concrete, Class B | | 0 | 0 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| I389014 - R15 | 601.002.003 Concrete, Class B | | 0 | 0 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| I389016 - R15 | 601.002.015 Concrete, Class K | 01/26/2018 | 0 | 0 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1389017 - R15 | 601.002.013 Concrete, Class H | 01/26/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---------------------------------------|--------------|------------------------|------------------------|--|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1398981 | 601.002.005 Concrete, Class B Mass | 06/23/2018 | 2.96 | 2.96 | 6 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1398981 | 601.002.005 Concrete, Class B Mass | 06/23/2018 | 2.96 | 2.72 | 22 | 3000 | 1.518 | 3.096 | 801.75 | 5707.27 | > 5482.22 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1398981 | 601.002.005 Concrete, Class B Mass | 06/23/2018 | 2.96 | 2.96 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1398981 | 601.002.005 Concrete, Class B Mass | 06/23/2018 | 2.96 | 2.96 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|---|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399059 | 601.002.004 Concrete, Class B Modified | | 0 | 0 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|-------------------|----------------------------------|--------------|------------------------|------------------------|----------------|---|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1436432 | 601.002.013 Concrete, Class H | 07/03/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 06

Plant Name: TSC1.01.601 Tri-Son Concrete Inc F-1 @ Bellaire, OH

Last Inspection: 04/05/2018

Sticker Expires: 10/5/2018

Standard Deviation: 937.39

Rating: A-2

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399045 | 601.002.013 Concrete, Class H | 06/04/2017 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399048 | 601.002.003 Concrete, Class B | 03/07/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399049 | 601.002.015 Concrete, Class K | 06/04/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1455031 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455031 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 1 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455031 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 5 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455031 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461843 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 06

Plant Name: TSC1.02.601 Tri-Son Concrete, Inc. F-2 @ Morristown, OH

Last Inspection: 04/05/2018

Sticker Expires: 10/5/2018

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|-------------------|----------------------------------|--------------|------------------------|------------------------|----------------|---|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1434204 | 601.002.003 Concrete, Class B | 03/07/2017 | 2.87 | 2.87 | 0 | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

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

Last Inspection: 03/26/2018

Sticker Expires: 9/26/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1394075 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421138 | 601.002.004 Concrete, Class B Modified | 01/27/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436392 | 601.002.015 Concrete, Class K | 05/08/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455013 | 601.002.015 Concrete, Class K | 06/13/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455022 | 601.002.013 Concrete, Class H | 08/30/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459000 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461788 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

Plant Name: TWG1.02.601 The Wells Group F-2 @ Lovely, KY

Last Inspection: 03/26/2018

Sticker Expires: 9/26/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 390295 RE-14 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 390296 RE 14 | 601.002.015 Concrete, Class K | 05/08/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421137 | 601.002.004 Concrete, Class B Modified | 01/27/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455014 | 601.002.015 Concrete, Class K | 06/01/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455023 | 601.002.013 Concrete, Class H | 08/31/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459001 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461789 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

Plant Name: TWG1.03.601 The Wells Group F-3 @ Wayne, WV

Last Inspection: 07/19/2018

Sticker Expires: 1/19/2019

Standard Deviation: 650.00

Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1420224 | 601.002.003 Concrete, Class B | | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421135 | 601.002.004 Concrete, Class B Modified | 01/27/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455015 | 601.002.015 Concrete, Class K | 06/02/2018 | 3.35 | 3.35 | 1 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455024 | 601.002.013 Concrete, Class H | 08/30/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1458999 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|--------------------------|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461787 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

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

Last Inspection: 11/05/2016

Sticker Expires: 5/5/2017

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1420283 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455016 | 601.002.015 Concrete, Class K | 06/01/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455025 | 601.002.013 Concrete, Class H | 08/30/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459002 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(F_c) | Factor (K_1) | Factor (K_2) | Standard Deviation (s) | Average Strength(X) | (F_c+K_2s) | $X-(F_c+K_1s)/1.4$ |
|-------------------|-----------------------------------|--------------|------------------------|------------------------|----------------|---|------------------|------------------|----------------------------|-------------------------|----------------|--------------------|
| 1461790 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| | | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

Plant Name: TWG1.05.601 The Wells Group F-5 @ Louisa, KY

Last Inspection: 03/27/2018

Sticker Expires: 9/27/2018

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421064 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421104 | 601.002.013 Concrete, Class H | 01/27/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|---|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1421139 | 601.002.004 Concrete, Class B Modified | 01/27/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1436456 | 601.002.003 Concrete, Class B | 09/29/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455017 | 601.002.015 Concrete, Class K | 06/01/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455026 | 601.002.013 Concrete, Class H | 08/31/2018 | 3.45 | 3.45 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|--------------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1459804 | 679.002.002 Concrete, Microsilica | | 3.83 | 3.83 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461791 | 601.002.022 Concrete, Class DC | | 3.74 | 3.74 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 01 Plant Name: VBC1.03.601 Cardinal Concrete @ Robertsburg

Last Inspection: 07/18/2018 Sticker Expires: 1/18/2019 Standard Deviation: 650.00 Rating: A-1

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461856 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1461857 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 06

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

Last Inspection: 03/30/2018

Sticker Expires: 9/30/2018

Standard Deviation: 894.69

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399039 | 601.002.015 Concrete, Class K | 04/25/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399040 | 601.002.003 Concrete, Class B | 06/04/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1399044 | 601.002.013 Concrete, Class H | 04/24/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|---------------------|----------|----------------|
| 1455020 | 601.002.015 Concrete, Class K | 08/05/2018 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | Average Strength(X) | (Fc+K2s) | X-(Fc+K1s)/1.4 |
|--|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|---------------------|-----------|----------------|
| Last Two Years of Data Slump Less than 2 inches | | | | | | | | | | | | |
| 1455021 | 601.002.003 Concrete, Class B | 08/05/2018 | 2.87 | 2.87 | 2 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |
| Last Two Years of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455021 | 601.002.003 Concrete, Class B | 08/05/2018 | 2.87 | 2.63 | 18 | 3000 | 1.533 | 3.175 | 727.24 | 5952.78 | > 5308.99 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last One Year of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455021 | 601.002.003 Concrete, Class B | 08/05/2018 | 2.87 | 2.63 | 29 | 3000 | 1.503 | 3.016 | 898.09 | 6386.9 | > 5708.64 | = 0.24 |
| | | | | | DECREASE CEMENT FACTOR BY 0.24 PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1455021 | 601.002.003 Concrete, Class B | 08/05/2018 | 2.87 | 2.87 | 15 | 3000 | 1.549 | 3.27 | 783.4 | 4213.49 | < 5215.33 | < 5561.72 |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, PER SECTION 3.3 OF MP 711.03.26 | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1455038 | 601.002.013 Concrete, Class H | | 3.45 | 3.45 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|-------------------|----------------------------------|--------------|------------------------|------------------------|---|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461844 | 601.002.013 Concrete, Class H | | 3.50 | 3.50 | 0 | | | | | | | |
| | | | | | MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1461858 | 601.002.015 Concrete, Class K | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|--|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| Last Three Months of Data Slump Greater than or equal to 2 inches | | | | | | | | | | | | |
| 1463244 | 601.002.003 Concrete, Class B | | 2.87 | 2.87 | 4 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1463245 | 601.002.022 Concrete, Class DC | | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

District: 02

Plant Name: WRM1.01.601 Wrightway Ready Mix @ Holden, WV

Last Inspection: 06/07/2017

Sticker Expires: 12/7/2017

Standard Deviation: 650.00

Rating: B

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434206 | 601.002.022 Concrete, Class DC | 03/27/2017 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434205 | 601.002.003 Concrete, Class B | 03/20/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434206 | 601.002.022 Concrete, Class DC | 03/20/2017 | 3.55 | 3.55 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434207 | 601.002.015 Concrete, Class K | 03/20/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

PCC Plant Evaluation with Cement Factors

Effective Date: 10/3/2018

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434208 | 601.002.015 Concrete, Class K | 03/26/2017 | 3.35 | 3.35 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434209 | 601.002.003 Concrete, Class B | 03/26/2017 | 2.87 | 2.87 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|-----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1434210 | 601.002.022 Concrete, Class DC | 03/20/2017 | 3.59 | 3.59 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |

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

| Mix Design Number | Material Code / Class of Mix | Expired Date | Approved Cement Factor | Adjusted Cement Factor | Pieces of Data | Design Strength(Fc) | Factor (K1) | Factor (K2) | Standard Deviation (s) | (Fc+K1s) | Average Strength(X) | (Fc+K2s) |
|---|----------------------------------|--------------|------------------------|------------------------|----------------|---------------------|-------------|-------------|------------------------|----------|---------------------|----------|
| 1436457 | 601.002.013 Concrete, Class H | 01/20/2018 | 0 | 0 | 0 | | | | | | | |
| MAINTAIN CURRENT CEMENT FACTOR, INSUFFICIENT AMOUNT OF DATA | | | | | | | | | | | | |