



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

La Porte District Testing
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La Porte, IN 46350

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Eric Holcomb, Governor
Joe McGuinness, Commissioner

January 19, 2017

Source #2478, Q#982106
Phoenix Services, LLC
1190 East Loop Road
Portage, Indiana 46368

Attn: Ryan Church

Re: Quality Control Plan (QCP) ANNEX for IN 8 acbfs Target Mean, and CAT Change.
Phoenix Services at Mittal Steel- Indiana Harbor West, Source #2478.

Dear Mr. Church:

The ANNEX has been reviewed and approved by the District. Enclosed is the ANNEX approving the target mean and control limits established for your IN8 acbfs, and the addition of Dan Walters as a Certified Aggregate Technician (CAT). Please add these changes to your Addenda Summary Sheet. Changes to the QCP shall be submitted to the District in the form of addenda by April 1, 2017. A copy of the ANNEX has been forwarded to the Office of Materials Management, and to the appropriate area testing lab.

Should you have any questions regarding this matter, please contact this office and we will be glad to assist you.

Sincerely,

Nathan Butts, MS, PE
District Testing Engineer

NB/mb

cc: Robert Rees
LaPorte District Geologist
LaPorte Lab Supervisor
File - M:\District Geologist\Addenda\#2478\2478-2017.01

Attachments: ANNEX and Phoenix's Statistical Analysis Report.

3/27/09

QCP ANNEX

Company PHOENIX SERVICES

Source No. 2478

Q No. 982106

NEW CERTIFIED MATERIAL ADDITION

Size Designation: _____ Specification: Standard or QA (see attached gradation)
Originating SC #: _____ Category Rating: IA IB IIA IIB III GS-A GS-B

Circle all that apply

Type: [Stone] [Gvl (Crushed/Uncrushed)] [Sand (Man./Nat./Slag)] [Slag (ACBF/SF)]
[Dolomite Approved (ITM 205)] [Recycled Concrete (Contract #: _____)]
[Alternate Polish Resistant Aggregate (ITM 214)] [Other _____]

Product Quality Rating: AP AS A B C D E F NA

Ledges and/or Area of Production: _____

Does finished product go into Separate or Composite Stockpile? _____

Is material from New Production, Existing Stockpile, or Both? _____

Size of Existing Stockpile: _____ t Annual Production: <10000 t ≥10000t

EXISTING CERTIFIED MATERIAL REVISION

Current Size Designation: _____ Originating SC #: _____

New Size Designation: _____ Type (see above): _____

Ledges: _____ Product Quality Rating: AP AS A B C D E F NA

EXISTING CERTIFIED MATERIAL DELETION

Size Designation: _____ Originating SC #: _____ Type (see above): _____

Product Quality Rating: AP AS A B C D E F NA D# (DTE): _____

TARGET MEAN and CONTROL LIMITS REVISION

Certified Material: IN-8

Current \bar{X} : N/A Existing Control Limits: 40-70
New \bar{X} : 47.7 σ : 4.50 # Tests: 13 New Control Limits: 38.7-56.7

CERTIFIED AGGREGATE TECHNICIAN REVISION

Delete CAT from QCP

Add CAT to QCP DAN WALTERS

Hutton Batts 1-19-2017 Harry Bawarska 1/1/17
District Testing Engineer Date Management Representative Date