



NEVILLE AGGREGATES CO. INC.

Construction Aggregate Supplier

3501 Neville Road Pittsburgh, PA 15225

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January 20, 2016

Material Type: #67 Gravel

To Whom It May Concern:

This letter is to verify that Neville Aggregates, Neville Island PA, is an agent for Tri-State River Products located on the Ohio River. The material produced by Tri-State River Products meets the requirements of ASTM C-33 for concrete aggregates.

Sincerely,

Justin T. Bryan

David T. Giehl

Quality Test Report

BMG Research & Development Center

3507 Neville Road, Pittsburgh PA 15225



CONCRETE PRECAST AGGREGATE MARINE

Plant Neville Aggregates - Neville Island Terminal
Product #67 Gravel
Source Tri-State River Products
Specification ASTM C-33

Sample Information

Sample No	Average	Weather	-
Start Date	4/15/15	Temp	-
Finish Date	1/12/16	Split Sample	<input type="checkbox"/>
Sampled By	David Giehll	Resample	<input type="checkbox"/>
Tested By	David Giehll	Lot/Sublot	-
Type	Production Sample	Quantity	50 lbs
Method	Belt Sample		

Gradation Results

Units	Moist Mass	Dry Mass	Moisture %	Wash ST	Wash End	Wash Loss %
lbs	23.12	22.95	0.75%	10.050	9.992	0.58%

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification %
1 1/2"	0.00	0.00	0.0	0.0	100.0	100	100 100
1"	0.00	0.00	0.0	0.0	100.0	100	100 100
3/4"	1.01	1.01	4.4	4.4	95.6	95	90 100
1/2"	9.82	10.83	42.8	47.2	52.8	-	- -
3/8"	3.79	14.62	16.5	63.7	36.3	37.5	20 55
#4	7.37	21.99	32.1	95.8	4.2	5	0 10
#8	0.48	22.47	2.1	97.9	2.1	2.5	0 5
PAN	0.48	22.95	2.1	100.0	0.0	-	- -

Other Test Results

Test Name	Date	Result	Unit	Target	Specification %
Wash Loss (#200)	4/15/15	0.58%	%	0.5	0 1
Crush Count	1/12/16	63.50%	%	77.5	55 100

