



TRI-STATE RIVER PRODUCTS

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January 1, 2023

PennDOT Ref. #: TSRWA14
Material Type: 3/8" Shot Gravel

To Whom It May Concern:

This letter is to verify that Tri-State River Products, located on the Ohio River, produces the material provided for your use. The above referenced material meets the requirements of ASTM C33 for concrete aggregates.

Sincerely,

A handwritten signature in black ink that reads 'Caleb T. Bryan'.

Caleb T. Bryan

A handwritten signature in black ink that reads 'David T. Giehll'.

David T. Giehll

Quality Test Report

BMG Research & Development Center

3507 Neville Road, Pittsburgh PA 15225



Plant Tri-State River Products - TSRWVA14
Product 3/8" Shot Gravel
Source Tri-State River Products - TSRWVA14
Specification ASTM C33

Sample Information

Sample No	Average	Weather	-
Start Date	5/1/2022	Temp	-
Finish Date	12/27/2022	Split Sample	<input type="checkbox"/>
Sampled By	Greg Sico	Resample	<input type="checkbox"/>
Tested By	David Giehl	Lot/Sublot	-
Type	Production Sample	Quantity	50 lbs
Method	Barge Stockpile		

Gradation Results

Units	Moist Mass	Dry Mass	Moisture %	Wash ST	Wash End	Wash Loss %
lbs	13.86	13.77	0.65%	4.560	4.520	0.88%

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification %
3/4"	0.00	0.00	0.0	0.0	100.0	-	-
1/2"	0.00	0.00	0.0	0.0	100.0	-	-
3/8"	0.00	0.00	0.0	0.0	100.0	-	-
1/4"	2.20	2.20	16.0	16.0	84.0	-	-
#4	6.06	8.26	44.0	60.0	40.0	-	-
#8	4.54	12.81	33.0	93.0	7.0	-	-
#16	0.83	13.63	6.0	99.0	1.0	-	-
PAN	0.14	13.77	1.0	100.0	0.0	-	-

Other Test Results

Test Name	Date	Result	Unit	Target	Specification %
Wash Loss (#200)	AVG	0.88	%	0.745	0 1.49

