



TRI-STATE RIVER PRODUCTS

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January 1, 2023

PennDOT Ref. #: TSRWA14
Material Type: #57 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 PennDOT Publication 408, Section 703 for aggregate and ASTM C33 for concrete aggregates.

Sincerely,

A handwritten signature in black ink that reads "Caleb T. Bryan". The signature is written in a cursive style.

Caleb T. Bryan

A handwritten signature in black ink that reads "David T. Giehll". The signature is written in a cursive style.

David T. Giehll

Quality Test Report

BMG Research & Development Center

3507 Neville Road, Pittsburgh PA 15225



Plant Tri-State River Products - TSRWVA14
Product #57 Gravel
Source Tri-State River Products - TSRWVA14
Specification PennDOT 408 Section 703 // ASTM C-33

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 Giehll	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	23.37	23.22	0.64%	9.150	9.097	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
1"	0.00	0.00	0.0	0.0	100.0	97.5	95
3/4"	1.86	1.86	8.0	8.0	92.0	-	-
1/2"	9.75	11.61	42.0	50.0	50.0	42.5	25
3/8"	6.04	17.65	26.0	76.0	24.0	-	-
#4	5.11	22.76	22.0	98.0	2.0	5	0
#8	0.23	22.99	1.0	99.0	1.0	2.5	0
PAN	0.23	23.22	1.0	100.0	0.0	-	-

Other Test Results

Test Name	Date	Result	Unit	Target	Specification %
Wash Loss (#200)	AVG	0.58%	%	0.745	0 1.49
Crush Count	AVG	62.0%	%	77.5	55 100

