



# GEORGETOWN SAND & GRAVEL

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January 6, 2015

PaDOT Ref. #: GSG04A14  
Material Type: Type A Sand

To Whom It May Concern:

This letter is to verify that Georgetown Sand & Gravel, Georgetown, PA produces the material provided for your use. The above referenced material meets the requirements of PaDOT Publication 408, Section 703 for Type A aggregates and ASTM C-33 for concrete aggregates.

Sincerely,

A handwritten signature in black ink that reads "Justin T. Bryan".

Justin T. Bryan

A handwritten signature in black ink that reads "David T. Giehl".

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** Type A Sand  
**Source** Georgetown Sand & Gravel - GSGWVA14  
**Specification** PaDOT 408 Section 703

## Sample Information

<b>Sample No</b>	Average	<b>Weather</b>	-
<b>Start Date</b>	3/20/14	<b>Temp</b>	-
<b>Finish Date</b>	12/18/14	<b>Split Sample</b>	<input type="checkbox"/>
<b>Sampled By</b>	David Giehll	<b>Resample</b>	<input type="checkbox"/>
<b>Tested By</b>	David Giehll	<b>Lot/Sublot</b>	-
<b>Type</b>	Production Sample	<b>Quantity</b>	50 lbs
<b>Method</b>	Belt Sample		

## Gradation Results

Units	Moist Mass	Dry Mass	Moisture %	Wash ST	Wash End	Wash Loss %
grams	605.40	589.2	2.75%	4.200	4.182	0.44%

  

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification %
3/8"	0.00	0.00	0.0	0.0	100.0	100	100 100
#4	0.00	0.00	0.0	0.0	100.0	97.5	95 100
#8	92.50	92.50	15.7	15.7	84.3	85	70 100
#16	100.16	192.67	17.0	32.7	67.3	65	45 85
#30	153.19	345.86	26.0	58.7	41.3	45	25 65
#50	133.75	479.61	22.7	81.4	18.6	20	10 30
#100	78.95	558.56	13.4	94.8	5.2	5	0 10
#200	24.16	582.72	4.1	98.9	1.1	1.5	0 3

## Other Test Results

Test Name	Date	Result	Unit	Target	Specification %
Wash Loss (#200)	3/20/14	0.44%	%	1.5	0 3
Fineness Modulus	12/18/14	2.83	-	2.725	2.30 3.15

Particle Size Distribution

