

Detterman, Mark, Env. Health

From: Stuart Solomon [stuart@phase-1environmental.com]
Sent: Friday, February 20, 2015 7:37 PM
To: Detterman, Mark, Env. Health
Cc: 'Bill Dugan'; Ben@envirest.com
Subject: Batarese Backfill Material
Attachments: Vulcan Backfill Specs.pdf

Hi Mark.

Here is the submittal from Vulcan on their Universal Fill material. We either have, or will obtain from their facility a sample of the material, and send it to the lab. As we discussed, we will run Metals, and a TPH fingerprint on the sample. Could you let us know what metals you are interested in, so we can order the appropriate test, please? Thank you, Mark! Stuart

Phase-1 Environmental Services

Stuart G. Solomon, CEO

(831) 422-2290 -O

(408) 406-3850 -C

www.Phase-1environmental.com



February, 2015

Phase-1 Environmental Services

Stuart G. Solomon, CEO

[\(831\) 422-2290](tel:(831)422-2290) -O

[\(408\) 406-3850](tel:(408)406-3850) -C

Dear Stuart,

The Universal Fill (29192) rock you receive is manufactured at Vulcan Materials in Pleasanton, CA Smara #91-01-0010. It is processed from an alluvial deposit here in Pleasanton and contains no recycled materials.

David Ruedi
Technical Services

Vulcan Materials Company

Pleasanton Plant
SMARA 91-01-0010

February, 2015

To: stuart@phase-1environmental.com

Subject: 29192 – Rodmill Pea Gravel

Project: 10500 International Blvd., Oakland, CA

The Pleasanton Rod Mill Pea Gravel material produced by Vulcan Materials Company is an aggregate produced at the Pleasanton, California Plant, SMARA No. 91-01-0010. The Typical physical properties of the aggregate are summarized below.

29192 - Universal Fill

GRADATION			
SIEVE SIZE	PERCENT PASSING	Generic Specification	
¾" (19.0 mm)	100		
½" (12.5 mm)	100		
3/8" (9.5 mm)	100		
No. 4 (4.75 mm)	90		
No. 8 (2.36 mm)	19		
No. 16 (1.18 mm)	0		
No. 30 (600 µm)	0		
No. 50 (300 µm)	0		
No. 100 (150 µm)	0		
No. 200 (75 µm)	0		

PHYSICAL PROPERTIES

ASTM STANDARD	FINE AGGREGATE ASTM C 33
Specific Gravity (SSD)	2.664
Cleanness Value	97
Absorption	1.8%
Fine Durability Index	87
Plasticity Index, PI	NP
ASTM C 88 – Sodium Sulfate Soundness	3.9%

Respectfully,
Vulcan Materials Company

Technical Services

***If no customer and/or job name is noted, this submittal expires 90 days from date above.**