

BORROW SOURCE CHARACTERIZATION
SAN DIEGO SHIPYARD SEDIMENT SITE –
SOUTH SHIPYARD

August 2013

VULCAN MATERIALS COMPANY - Western Division

Contractor: **RE Staite Engineering Inc.**

August 19, 2013

Project: **NASSCO South SD Shipyard Bay Remediation**

Plant: **Vulcan Materials / Chula Vista**

Material: **Washed Concrete Sand (WCS) as "Sand Cover Material"**

This is to certify that Vulcan Materials Company, Western Division, **Chula Vista**, will supply Washed Concrete Sand (WCS) to the above listed project and that this product will conform to the gradation limits outlined for "Sand Cover Material" in section 352026 Part 2.02 - E of the project specification Amendment 5, except where indicated.

Sieve Size	Section 35026 Part 2.02-E	Percent Passing	
9.5 mm (3/8")	100	100	
4.75 mm (No. 4)	95 - 100	97	
2.36 mm (No. 8)	80 - 95	85	
1.18 mm (No. 16)	40 - 70	67	
600 um (No. 30)	-----	43	
300 um (No. 50)	3 - 20	* 21	* indicates out of specification
150 um (No. 100)	-----	7	
75 um (No. 200)	0 - 5	2.6	

Submitted by:



Jeff Pollard

Technical Services Supervisor

If you should have any questions regarding this submittal please contact the San Diego Regional Laboratory at (858) 547-4981

* Please Note: ** NOT VALID IF ALTERED **