

INNOCUOUS AGGREGATE FOR USE IN CONCRETE

A source of aggregate will be considered for addition to the Department's list of authorized materials if the producer of the aggregate submits to the Transportation Laboratory certified test results from a qualified testing laboratory that verify the aggregate complies with the requirements.

Before the testing starts, the aggregate test shall be registered with the Department. A registration number can be obtained by contacting Mr. Thien Thach at (916) 227-5280 or by sending an email to thien.thach@dot.ca.gov. The registration number shall be used as the identification for the aggregate sample in correspondence with the Department. Upon request, a split of the tested sample shall be provided to the Department.

Authorization of aggregate will depend upon compliance with the specifications, based on the certified test results stamped by a Professional Civil Engineer, and results of any replicate testing the Department may elect to perform. Authorization will expire 5 years from the collection date of the most recent authorized sample from the source.

Qualified testing laboratories for aggregates shall conform to the following:

- A. Laboratories performing ASTM Designation: C 1293 shall participate in the Cement and Concrete Reference Laboratory (CCRL) Concrete Proficiency Sample Program and shall have received a score of 3 or better on each test of the previous 2 sets of concrete samples.
- B. Laboratories performing ASTM Designation: C 1260 shall participate in the Cement and Concrete Reference Laboratory (CCRL) Pozzolan Proficiency Sample Program and shall have received a score of 3 or better on the shrinkage and soundness tests of the previous 2 sets of pozzolan samples.

Innocuous aggregates shall conform to 1 of the following:

- A. When the aggregate is tested in conformance with the requirements in California Test 554 and ASTM Designation: C 1293, the average expansion at 1 year shall be less than 0.040 percent;
or
- B. When the aggregate is tested in conformance with the requirements in California Test 554 and ASTM Designation: C 1260, the average of the expansion at 16 days shall be less than or equal to 0.15 percent.

Submission Requirements:

All submittals to the Department are required to include a certificate with corresponding SMARA number (or GPS coordinates for non-CA sources). If the SMARA number submitted cannot be verified on the Office of Mine Reclamations AB 3098 listing, found at

(http://www.consrv.ca.gov/omr/SMARA%20Mines/ab_3098_list/Pages/Index.aspx),

the Department will not issue a registration number. It is mandatory to notify the Department of any changed ownership, or any other changes occurring with your SMARA number, within 30 days of the change.

NOTE: This form lists the innocuous sources of aggregates for use in concrete as defined in Section 90, "Concrete" of the Department's Standard Specifications.