

WSDOT SOP 128

Sampling for Aggregate Source Approval

1. Scope

This method describes the procedure for sampling pits and quarries for Aggregate Source Approval (ASA).

2. Significance and Use

There are two methods for initiating the process for an ASA:

- a. The source owner/lessee request approval, pays for the sampling and testing, and coordinates this through the ASA Engineer at the State Materials Laboratory who coordinates with the Regions. Sample is obtained by the Region Independent Assurance Inspector (IAI) or a delegate of the Region Materials Engineer (RME).
- b. The aggregate source is sampled and tested as part of a WSDOT project, in which case the WSDOT project pays for the sampling and testing costs which may or may not be coordinated with the ASA process at the State Materials Laboratory. Sample is obtained by the IAI or a delegate of the RME.

3. Safety

All WSDOT employee required to sample from a pit or quarry will contact the pit/quarry owner/lessee or their designated representative prior to arrival at the site and arrange for an escort into the sampling site.

All WSDOT employees will be accompanied by the pit/quarry owner/lessee or their representative during the sampling process.

This standard does not purport to address all of the safety concerns, associated with its use. It is the responsibility of the user of this standard operating procedure to establish a pre-activity safety plan prior to use.

4. Sampling

All samples will be obtained in accordance with WSDOT Errata to FOP for AASHTO R 90.

Stockpiles produced for ASA sampling must contain a minimum of 10 tons of material. The material in the stockpile shall be of the same quality as the final product. If the correct stockpiles are not available for sampling, the inspector will not take a sample and the sampling time will not be refunded.

Sampling location and size of sample is listed in Table 1.

Table 1

Aggregate Type	Sampling Site	Size of Sample in lbs	Notes
Concrete Coarse	Stockpile	50-100	Material must be clean and washed
Concrete Fine	Stockpile	30-40	Material must be clean and washed
Mineral Aggregate (WSDOT Standard Specification 9-03)	Stockpile	80-100	Material must be Crushed Surfacing Base Course - Std. Spec. 9-03.9(3). Samples obtained for quarry spalls may not be used for quality tests for crushed materials.
Quarry Spalls	Face of pit, transport unit or stockpile	50-80	No rock larger than 4" in diameter.
All other Aggregate Types	Face of pit, transport unit or stockpile	50-80	No rock larger than 4" in diameter.

6. Report

The RMEs representative will record the following information in an Inspector's Daily Report (IDR) DOT Form 422-004A:

- Name of Source owner/lessee's Representative accompanying the RME representative during sampling process.
- Time and Date of sampling
- Location including coordinates where the sample is taken (stockpile/pit/face)
- Amount of sample (pounds and number of bags)
- Any concerns of material quality or specific request the owner/lessee's representative may have.

The RME's representative shall take pictures of the following items; a wide view of the mining operation, the sampling location in the pit or quarry, a close-up of the stockpile being sampled and a close-up of the sampled material.

When Sampling is being performed by any group other than WSDOT personnel, sampling shall be witnessed by the WSDOT's representative or Agent. Upon completion of sampling, the sample shall be immediately transferred to the WSDOT's representative or Agent who witnessed the sampling operation. The WSDOT's representative or Agent, to assure chain of custody, will deliver the sample(s) to State Materials Laboratory for testing.

The IDR information and pictures will be e-mailed to the State ASA Engineer.