

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 Aggregate Source Approval:

- a. The source owner request approval, pays for the sampling and testing, and coordinates this through 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.
- 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 Region Materials Engineer.

3. Safety

All WSDOT employee required to sample from a pit or quarry will contact the pit/quarry owner 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 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.

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 |
| Crushed Surfacing / Mineral Aggregate | Stockpile | 80-100 | For quality tests on crushed materials submit approximately 80 lbs of 1¼" minus material. 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 Regional Materials Engineer's (RME) representative will record the following information in an Inspector's Daily Report (IDR) DOT Form 422-004A:

- Name of Source Owner's Representative accompanying the RME representative during sampling process.
- Time and Date of sampling
- Location where the sample is taken (stockpile/pit/face)
- Amount of sample (pounds and number of bags)
- Any concerns or specific request the Owner'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 material in the stockpile being sampled (when applicable), and a close-up of the material sampled.

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