
















1. EQUIPMENT

- 1.1. "Scoop" and
- 1.2. Sampling bag/ containers.

2. METHOD

2.1. Preparation -

- 2.1.1. Ensure that the person taking the samples of stone & sand wear all the relevant personal protective equipment;

MARK "X" FOR APPLICABLE PERSONAL PROTECTIVE EQUIPMENT REQUIRED		
	Hard Hat	X
	Eye Protection	X
	Face Protection: Welding Helmet	
	Hand Protection	X
	Protective Clothing: Overall	X
	Foot Wear: Safety Boots	X
	Gum boots	
	Dust mask	X
	Respirator	
	Reflective Clothing	X
	Safety Harness	
	Apron	X
	Hearing Protection	X
	Use waste bins for waste separation	X
	Lock-out	

- 2.1.2. Conduct continuous risk assessment, the daily safe task instruction (DSTI);
- 2.1.3. Remember that the mixer trucks & front end loader always have the right of way – be aware of these motorized equipment as serious damage & injuries incidents may occur;
- 2.1.4. Wear your gloves now;
- 2.1.5. Ensure that the sampling equipment is in a operational & safe condition & cannot cause any injuries, damage and/ or spillage;
- 2.1.6. Ensure that all stock piles are marked;
- 2.1.7. Ensure that the correct stockpiles are used for sampling and
- 2.1.8. Be aware of the surroundings for hazards such a holes, uneven surfaces, water, muddy ground, slipping, tripping, falling & run-over incidents when moving towards/ in between stockpiles & moving back to the lab/ batch room.

3. PROCEDURE

3.1. Sample size:

3.1.1. Take **at least** the minimum number of increments and minimum mass:

STONE SIZE	MINIMUM NUMBER OF INCREMENTS	MINIMUM MASS Kg
Over 26,5 mm	20	50
6,7 to 26,5 mm	10	35
SAND	10	25

3.2. Sampling from stockpiles or bays:

3.2.1. Divide the stockpile or bay into sections (see diagram one [1] below) & take the required number of increments;

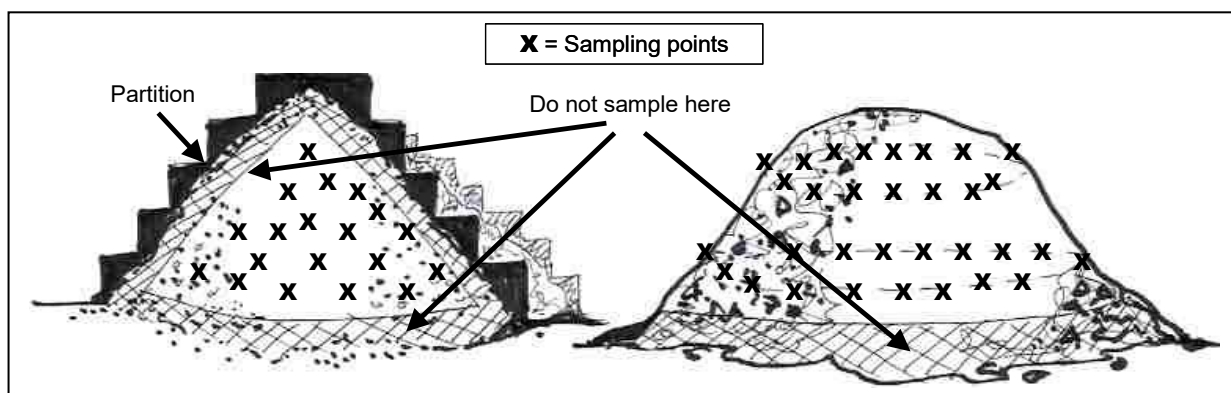
3.2.2. When taking increments:

3.2.2.1. Do not sample close to edges of bay or at bottom of bays or stockpiles (avoid areas of segregation, intermingling, contamination or stockpiles not marked);

3.2.2.2. Start at the bottom and work up & from the outside to the center and

3.2.2.3. Remove 100mm to 150mm of material before taking the increments, then place each increment into the sample bag/ container.

Diagram One (1):



3.3. Sample identification:

3.3.1. After the samples have been taken, record the following information on a tag which is inserted into the bag/ container:

3.3.1.1. Date sampled;

3.3.1.2. Stone size/ sand type;



3.3.1.3. Source;

3.3.1.4. Any other description (*observations/ conditions*) as necessary and3.3.1.5. The Laboratory Assistant/ Technician is responsible for ensuring that all samples are identifiable at all times. See also **QTP04** sample identification procedure.

4. RECORDS

Note: Records generated as a result of this procedure are as follows:

ENTRY NUMBER	RECORD	LOCATION/ CUSTODIAN	MINIMUM RETENTION TIME	DISPOSAL METHOD
4.1.	Sampling Tag	QTP04 Sample Identification Procedure. QTP03 Calibration, checking & maintenance of equipment.		
4.2.	QTF21 Sample register			
4.3.	Hand tool Checklist			

5. REFERENCES & APPENDIXES

ENTRY NUMBER	ENTRY DESCRIPTION	REFERENCE NUMBER
5.1.	Calibration, checking & maintenance of equipment	QTP03
5.2.	Sample identification procedure	QTP04
5.3.	Sampling aggregates	SANS 195:2006
5.4.	Risk Assessment Documentation (<i>DSTI</i>)	Various
5.5.	Personal Protective Equipment Issue Record	Various
5.6.	Personal Protective Equipment Checklist	Various
5.7.	Training Certificates	Various

TECHNICAL MANAGER NAME		DESIGNATION/ AREA	
TECHNICAL MANAGER SURNAME		Date	
TECHNICAL MANAGER SIGNATURE		IDENTITY NUMBER	

ACKNOWLEDGEMENT OF UNDERSTANDING OF HOW TO SAMPLE STONE & SAND

TECNICIAN NAME		DESIGNATION/ AREA	
TECHNICIAN SURNAME		Date	
TECHNICIAN SIGNATURE		IDENTITY NUMBER	