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SAFE OPERATING PROCEDURES

M & T Unit – Aggregate Gradations and Testing

SOP# 11A-14

Hazard Review		
Lifting	Slip, Trip and Fall	Dust
Noise	Crushing Injuries	Cuts
Flying Particles	Burns	Respirable Crystalline Silica (RCS)

Personal Protective Equipment (PPE) (Based on job specific hazard review)		
Safety Goggles/ Glasses /Shield	Work Gloves	Hearing Protection
Safety Shoes	Heat Resistant Gloves	

1. Review and observe all safety/storage/transportation/emergency operational requirements, conduct/perform site survey, and pre-operational checks prior to beginning Aggregate Testing follow all established regulatory guidance, manufacturers’ guidelines, and safety regulatory policies established by Materials and Test Unit.
2. Proper lifting techniques must be used. Get help or use equipment, if necessary.
3. Be aware of possible sharp edges when removing trays from Gilson shaker.
4. Be aware of hot surfaces when placing samples in and removing samples from oven.
5. Wear heat-resistant gloves when removing samples from oven.
6. Use dust collection booth when running Shakers with Sound Attenuating curtains closed and intake vents for any sieving, splitting, and other operations which may generate dust. Respiratory protection not required when utilizing Engineering Controls in form of dust collection system.
7. HEPA vacuum is the preferred method for cleaning equipment to minimize exposure to RCS.
8. Dry sweeping of floors is prohibited. Sweeping of floors should only be done with after applying dust suppressant compound to avoid airborne RCS exposure.
9. Be aware of loose objects or aggregate on floor.

Related SOP’s		
General SOPs	Chapter 10	Sampling and Inspection at Producer’s Facility 11B-71