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SAFE OPERATING PROCEDURES

M & T Unit – Bituminous Testing

SOP 11A-15

Lifting	Splashes	Hot Materials
Burns	Crushing Injuries	Cuts
Noise	Slip, Trip and Fall	

Personal Protective Equipment (PPE) (Based on job specific hazard review)		
Safety Shoes	Heat Resistant Gloves	Safety Glasses
Face Shield		

1. Review and observe all safety/storage/emergency operational requirements, and pre-operational checks prior to preparing concrete specimens for compression testing. Follow all established regulatory guidance, manufacturers' guidelines, and safety regulatory policies established by Materials and Tests Unit.
2. Read Safety Data Sheets (SDSs) and warning labels on all chemicals used.

Asphalt Bulk and Core QA Testing

1. Use proper lifting techniques. Get help or use equipment, if necessary.
2. Wear hearing protection and safety glasses when sawing Asphalt core samples. Ensure water coolant applied during sawing operation to control dust.
3. Wear heat resistant gloves when placing asphalt samples and Gyratory Compactor Molds in and removing samples from ovens. Place on
4. When placing sample baskets in and removing from Burn-Off oven, wear heat resistant gloves, face shield, and use metal basket tongs. After removing from oven, place baskets on granite block to cool, and cover with wire cage w/ **"Danger Do Not Touch Extremely Hot (1000°F)"** sign.

Asphalt Emulsion QA Testing

1. Wear safety glasses or goggles when working with liquid asphalt testing chemicals.
2. Use heat resistant gloves when placing and removing molds from ovens for Elastic Recovery and Softening Point Tests.
3. Use heat resistant gloves when placing and removing molds and other supplies from ovens when removing asphalt residues.
4. Wear appropriate solvent resistant gloves and safety glasses or goggles when cleaning asphalt residue from molds and other laboratory apparatus.

Related SOP's			
General SOPs	Chapter 10	Sampling and Inspection at Producer's Facility	11B-71
Asphalt Field Laboratory	11B-2		