



JOB SAFETY ANALYSIS

Activity Name: Unit Weight & Air Content of Freshly Mixed Concrete		Activity Number: ASTM C-138 & C-231	
Activity Description & Purpose: Measure the unit weight and determine the air content of freshly mix concrete			
Date Prepared: July 22, 2009		PPE Required	
Typical Equipment		Typical Crew Size: (Crew sizes may vary due to different conditions throughout the state). 1	Typical Material See Associated Test Procedure
Description	Class Code		
See Associated Test Procedure			
Sequence of Job Tasks	Potential Hazards	Safe Job Procedures	Never
1. Fill measuring pot	1. Back injury 2. Foot injury 3. Concrete splatter causing chemical burns on skin or eyes 4. Struck by mobile equipment (Field testing)	1. Lift correctly - Bend at the knees and keep the back as straight as possible 2. Wear required personal protective equipment 3. Wear required personal protective equipment (Safety glasses and gloves) 4. Maintain an awareness of your surroundings	Lift with your back
2. Place on scale	1. Back injury 2. Foot injury 3. Concrete splatter causing chemical burns on skin or eyes 4. Struck by mobile equipment (Field testing)	1. Lift correctly - Bend at the knees and keep the back as straight as possible 2. Wear required personal protective equipment 3. Wear required personal protective equipment (Safety glasses and gloves) 4. Maintain an awareness of your surroundings	Lift with your back
3. Determining the air content	1. Particles in the eyes / chemical burns	1. Wear required personal protective equipment (Safety glasses and gloves)	Open petcocks before relieving air pressure
Notes and Specifications Instructions		Other Related Resources	

