



JOB SAFETY ANALYSIS

Activity Name: Determining moisture or volatile distillates content of HMA		Activity Number: CP-43	
Activity Description & Purpose: Two methods for the quantitative determination of moisture in hot mix asphalt (HMA)			
Date Prepared: May 1, 2009		PPE Required	
Typical Equipment		Typical Crew Size: (Crew sizes may vary due to different conditions throughout the state). 1	Typical Material
Description	Class Code		
See associated test procedure			See associated test procedure
Sequence of Job Tasks		Potential Hazards	
		Safe Job Procedures	
		Never	
Method A - Microwave			
1. Place material in clean glass container and weigh	1. Burns	1. Wear all personal protective equipment	Handle hot material without gloves
2. Place container in microwave and dry at the appropriate time and power settings	1. Burns	1. Wear all personal protective equipment	
3. Remove container from microwave and weigh	1. Burns 2. Particles in eyes	1. Wear all personal protective equipment	
Method B - Convection Oven			
1. Place material in tared container and weigh	1. Burns	1. Wear all personal protective equipment	
2. Place container in convection oven at the appropriate temperature setting	1. Burns	1. Wear all personal protective equipment	
3. Dry for at least 3 hours, remove container from oven and weigh	1. Burns	1. Wear all personal protective equipment	
4. Repeat drying process at 30 minute increments until consistent weight is reached	1. Burns	1. Wear all personal protective equipment	

