COLORADO DEPARTMENT OF TRANSPORTATION

JOB SAFETY ANALYSIS

Activity Name: Asphalt Cement Content Test	**Activity Number:** CP - 85

Activity Description & Purpose:
Determine the asphalt cement content by nuclear method

Date Prepared: September 2, 2008				**PPE Required**
Typical Equipment		**Typical Crew Size:**	**Typical Material**	Safety glasses Hardtoe boots Personal Radiation Monitoring Unit Heat Resistant Gloves
Description	Class Code	(Crew sizes may vary due to different conditions throughout the state).	Description / Class Code	
See associated test procedure		1	See associated test procedure	

Sequence of Job Tasks	Potential Hazards	Safe Job Procedures	Never
1-Turn gauge "on" to warm-up			
2-Correlation pan prep	1-Burns 2-Inhalation 3-Pinched fingers	1-Wear heat resistant gloves 2-Observe "Lime" MSDS 3-Avoid contact with mixer while in operation	
3-Heat HMA test sample	1-Pinched fingers 2-Burns	1-Observe finger/hand placement when inserting/removing cylinder 2-Wear heat resistant gloves	
4-Compact and level sample in pan	1-Pinched fingers 2-Particles in eyes	1-Observe finger/hand placement when inserting/removing cylinder 2-Wear all personal protective equipment	
5-Place in nuclear gauge	1-Radiation overexposure	1-Wear personal dosimeter 2-Maintain 3 foot distance from machine when it is operating	
6-Perform calculations			