COLORADO DEPARTMENT OF TRANSPORTATION

JOB SAFETY ANALYSIS

Activity Name: Calibration of CDOT Nuclear Moisture Density Gauges/Thin Lift M/D Gauges			**Activity Number:CPL-5302/ CPL-5304**	
Activity Description & Purpose: Clean, Service, Repair and Calibrate Nuclear Moisture Density Gauges				
Date Prepared: March 31 2009				**PPE Required**
Typical Equipment		**Typical Crew Size:**	**Typical Material**	**Steel Toe Shoes, Gloves, Eye protection, Landaur Dosimeter**
Description	Class Code	(Crew sizes may vary due to different conditions throughout the state).	Description / Class Code	
Hand Tools Electronic Equipment Lubricants		**1 Certified CDOT Staff Radiation Safety Officer**		

Sequence of Job Tasks	Potential Hazards	Safe Job Procedures	Never
Beannual or as needed	Radioactive Contamination	Duties include Cleaning and Servicing and sometimes repair of Nuclear Moisture Density Gauges, Only Certified Staff Radiation Safety Officer can accomplish duties.	
		Stay a safe distance away from Nuclear Gauge 3" minimum, Use Sheilding on Nuclear Gauge (Keep source in Safe position when not testing), Limit amount of time near the Nuclear Gauge when testing. Secure gauge visualy or Physically at all times, Keep other personel away during testing. Stand clear of drop hazard.	

Notes and Specifications Instructions	Other Related Resources