



UNC
ENVIRONMENT,
HEALTH & SAFETY



Job Safety Analysis



Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC: Energy Services

**CoGeneration Facility: Operations Auxiliary
Operators: Pulling uncrushed coal (Pyrite) from
the plant mills (coal crushers)**



Title	Work Task	Hazards	Controls
	1. Obtain personal protective equipment and equipment (e.g. wheel barrow) before the job.	1a. None	1a. Personal Protective Equipment: -Hard Hat -Safety glasses -Steel-toed shoes -leather work gloves -long sleeve work shirt
	2. Position wheel barrow underneath plant mill and unwind pressure release valve (as illustrated below) 	2a. Coal dust 2b. Back strain from bending or twisting.	2a. If possible, keep plant bay doors open to provide adequate ventilation (as illustrated below)  2a. If unable to keep bay door open to provide ventilation, use a N95 respirator. 2b. Stretch prior to work to prevent back strain.

	Work Task	Hazards	Controls
	<p>3. Removing the remaining coal debris from the release area of the mill with a shovel.</p> 	<p>3a. Coal dust</p>	<p>3a. If possible, keep plant bay doors open to provide adequate ventilation.</p> <p>3b. If unable to keep bay door open to provide ventilation, use a N95 respirator.</p>
	Work Task	Hazards	Controls
	<p>4. Moving the wheel barrow from the coal crusher to outside and pouring the load of uncrushed coal in a bin.</p> 	<p>4a. Back strain from bending or twisting.</p>	<p>4a. Using leather work gloves to ensure you have a good grip on the wheel barrow and be careful when transferring load (especially when maneuvering load up ramp) to prevent back strain.</p>

Training	Only Trained Operations Auxiliary Operators are to perform this work task.	Complete the EHS online self-study unit: Using N95 for respiratory protection.	
Created by	Daniel Gilleski, Occupational Field Hygienist Date Created: 10-3-2008		
Referenced Material	29 CFR 1910.134 (Respiratory Protection Standard) UNC-CH Environment, Health, and Safety Manual- Chapter 4 (Respiratory Protection Program)		
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