JOB HAZARD ANALYSIS		
JOB: Grinding	DATE: 7/9/99 MODIFIED: 4/25/2002 by Sarah Jablonski	
PREPARED BY:Becca Urbach		
REVIEWED BY: Ellen Mecray	Recommended Protective Clothing and Equipment:	

Gloves, lab coat, safety glasses

Sequence of Basic Job Steps	Potential Accidents/Hazards	Recommended Safe Job Procedures
Select samples which you wish to grind, acid-wash and label containers to be used	* See aliquot JHA *	* See aliquot JHA *
Empty sample (approx. 2g) into agate grinding vessel (ask how to set up vessel)	Floating dust	Wear safety glasses
Place closed vessel into ball mill grinder making sure that vessel remains closed	Possibility of pinching fingers as one attempts to secure vessel in grinder	Proceed with care
Close door of grinder (this starts the machine)		
While sample is being ground, use compressed air to squirt out excess sediment left in original sample container	Floating dust. Also, the compressed air is under pressure (read associated hazards)	Wear safety glasses
Place container on balance and tare		
After approximately 3-4 minutes, open door of grinder	Possibility that latch will not unclick and motor will keep running. Vessel could become dislodged and exit machine	
Unscrew and remove vessel from grinder		
Place vessel on a piece of weighing paper on a flat surface and remove top of vessel		
Empty out sediment onto the piece of weighing paper (discard sediment that adheres to rims of vessel)		
Transfer ground sediment into empty container on balance		
Weigh sample, record weights in lab book and on container		
Label container for storage, transfer data to electronic sheets		

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