# Lead Delivery Procedure

Morgan Askins\*

## Description

Clean and transport 900 bricks totalling roughly 12 tons, split into 6 pallets, of lead from the fairport mine in Clevelend Ohio to SNOLab. The bricks will be washed and wrapped in plastic on the surface before being transported underground and stored in the SNOLab near the SNO+ detector. Bricks will be palletized prior to transport underground.

#### Identification of Hazards

- 1. Ingestion of lead dust
- 2. Contamination of personnel
- 3. Contamination of lab space
- 4. Personal hazard of dropping lead bricks

## Mitigation of Hazards

- 1. When handling unwrapped bricks personel will wear filter masks, disposable Tyvek suits, safety glasses, and latex/nitrile gloves.
- 2. Bricks will be wrapped on the surface prior to being moved underground.
- 3. Unwrapped bricks will only come into contact with plastic (disposable materials).
- 4. Don't lift more than one brick at a time. Always wear steel-toed shoes while handling individual bricks.

### Procedure

<sup>\*</sup>UC Davis