

MINOS Near Detector Installation
Job Hazard Analysis

MINOS NDI-JHA # 1

Job Description : Plane Cabling

Fiber Optic readout and Light Injection cables are attached to the active plane scintillator modules; there are “U” and “V” planes. U planes are on the bottom of the detector, V planes are on the top. These cables are then connected at the other end to the Alner boxes and the Light Injection Pulser box respectively.

Job Specific Hazards :

1. Working at heights using a manlift or other mechanical lifting device
2. Sharp edges (head bumping hazard) on steel plates, support structure, strain reliefs and survey lugs
3. Ethyl alcohol and optical grease used on optical fiber connections

Planned Mitigation of Hazards

1. Workers will be trained in the use of the manlift by a qualified technician
2. Workers will wear hard hats and safety goggles while working on the detector
3. These chemicals will be used in small quantities and stored in the proper location when the work is complete.

Reviewed and approved by Installation Supervisor :

Name

Date