

FORM S+H 5-1 JOB HAZARD ANALYSIS

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| JOB HAZARD ANALYSIS | | Date: 12/13/99 |
| Contract:(If Applicable) | | Phase: Man Lift Erection |
| LLNL Group/Contractor/ Subcontractor/Subtier: Nielsen Dillingham Builders Inc./ | | Location: LLNL- NIF West side of Diagnostics |
| NIF Element: CSP 6/10 | | |
| ACTIVITY OPERATIONS | UNSAFE CONDITION, ACTION or OTHER HAZARD | PREVENTATIVE or CORRECTIVE ACTION THAT WILL BE TAKEN |
| Material Lift / Man Lift Set up and erection. | Foundation too weak to support lift. | Prepare foundation before beginning lift erection. |
| " | Access to lift blocked or uneven | Access to path identified and maintained. |
| " | Improper assembly or coordination problems during erection | Pre erection meeting attended by all parties to review manufacturer instructions and procedures |
| " | Struck by, caught in, pinched | Assembly lay down area identified and barricaded off to non essential personnel. |
| " | Electrocution | Identify overhead or nearby electrical lines and stay clear. |
| " | Wind hazard | Do not work in winds that may effect stability during erection. |
| " | Falling | Use 100% fall protection/tie off techniques for steel erection and steel erectors |
| | | Stay from beneath suspended loads and beware of falling objects from overhead work |
| | Lack of communications / communications problems | Establish and maintain communications systems throughout erection |
| | Failed Rigging | Review rigging procedures and inspect rigging before work begins |
| | Toppling of lift | Use deadmen to support lift with guy wires. |

CM Concurrence

LLNL Group/Contractor/Subcontractor Concurrence

Subtier Concurrence
