### Jobs Safety Analysis (JSA)

**Date:** 5/11/2009-5/16/2009

<table>
<thead>
<tr>
<th>JOB/ACTIVITY NAME:</th>
<th>Job/Activity Name: NLCTA Beam Line and component alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT/GROUP NAME</td>
<td>MET / AEG</td>
</tr>
<tr>
<td>BLDG/AREA LOCATION(s):</td>
<td>NLCTA</td>
</tr>
<tr>
<td>OTHER INFORMATION:</td>
<td></td>
</tr>
</tbody>
</table>

#### REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR ENTIRE JOB
- ✔ safety glasses
- ✔ safety shoes
- ✔ chemical resistant gloves
- ✔ welding gloves
- ✔ gloves (when using tools)
- ✔ face shield
- ✔ hard hat
- ✔ harness lanyard
- ✔ welding goggles
- ✔ long pants / sleeves
- ✔ reflective vest
- ✔ other: __________________________

#### Basic Steps
- Set Up and Perform Survey
  - Set up survey instruments
  - Lock out tag out if necessary
  - Place targets on and around components
  - Use illumination if necessary

#### Potential Hazards
- Electric hazards
- Falling off ladders

#### Controls
- Lock out Tag out
- Use leather gloves when using tools (see checklist above)
- Inspect ladders before use and never climb to the top rungs
I understand & will adhere to the steps, hazards & controls as described in this JSA. I understand that performing steps out of sequence may pose hazards that have not been evaluated, nor authorized. I will contact my supervisor prior to continuing work, if the scope of work changes or new hazards are introduced. I understand I have the authority and responsibility to stop work I believe to be unsafe.

Worker Name (please print)  Signature  Date

I have reviewed the steps, hazards & controls described in this JSA with all workers listed above and authorize them to perform the work. Workers are qualified (i.e. licensed or certified, as required & in full compliance with SLAC training requirements) to perform this activity.

Supervisor  Signature  Date

I have communicated area hazards with the supervisor or listed worker(s) for this activity and have coordinated the described activity with affected occupants. The above listed workers are released to perform described scope of work in the following area(s):

Area or Building Manager  Signature  Date