

Approved
ORNL WORK PLAN
Operations, Maintenance and Services



Work Plan Name / Rev: BL1B LADDER MOD / 0
Expiration Date: 8/7/2025

WORK SCOPE/DESCRIPTION			
Requester (Name/Badge/Division):		Marrs, Robert / 03053994 / X186	
Location of work (Bldg/Rm/Other):		8700 / / BL1B	
Work Plan Title:		BL1B Ladder modification	
Description of Service/Work Needed: Approximately 1.5-2 inches needs to be cut off from the bottom of the detector entry ladder.			
Charge Number, if required:			
Work Plan Grade/Worktype:		3 / 0	
Author (Name/Badge):		Marrs, Robert / 03053994	
File Attachments:			
INSTRUCTIONS			
Prerequisites/Precautions:			
Directions:			
Post Work Testing:			
Closeout:			
JOB HAZARD EVALUATION			
HAZARDS		PERMITS / CONTROLS	
DOCUMENTATION REVIEW AUTHORIZATION (Approvals are certification of hazards assessment)			
Reviewer/Approver Roles	Signature	Date	
Accountable Management (Service Provider, Line, Equipment Owner, or Facility Management)	Vasquez, Silbino	8/7/2024	
IS/IH	Hostetler, Aaron	8/7/2024	
Task Leader	Marrs, Robert	8/7/2024	
Work Package Concurrence			
Facility Manager			
Operations Supervisor			
Facility Manager Approval To Start Work			
Facility Manager			
Work Start Authorization			
Task Leader			
Work Acknowledged Complete			
Task Leader			
Worker Feedback:			
WORK DETAILS - Prerequisites/Precautions			
Hazards	Permits/Controls	Resources	Dur
1) - Consult with RCTs prior to beginning work. If a survey is needed, have RCTs perform survey prior to starting work.			
		1 SNS Instrument Support Technician	1
WORK DETAILS - Directions			
Hazards	Permits/Controls	Resources	Dur
2) - Ironworkers will cut off 1.5-2 inches from the bottom of the ladder and file off any burrs.			
Ergonomic Conditions (Contact Stress, Vibration, Posture, Force, Repetitive Motion)	<ul style="list-style-type: none"> 1 Evaluation of work station or Evaluation of work posture/positioning 1 Exposure Assessment: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM) 1 Diversify activities 1 Worker rotation 	1 Rigger/Ironworker	1

Manual Material Handling	<ul style="list-style-type: none"> Establish Controls (Guideline) [apply 30-50-30 criteria for a non-repetitive lifting task] <ul style="list-style-type: none"> Reduce weight Decrease load Design work area Facilitate access to material Optimum environment Reduce distance /Provide proper storage facilities Load storage Eliminate manual lifting/lowering Eliminate pushing/pulling – Use lifting aids Other instructions to staff Diversity of activities Team Lifting (Guideline) Engage Hoisting and Rigging services for movement of materials (Guideline) Exposure Assessment: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM) 		
Noise	<ul style="list-style-type: none"> Exposure Assessment: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM) Hearing protection (plugs or muffs): Selecting Hearing Protection: Wear ear plugs. 		
Other Mechanical Hazards (Machine guarding issues, rotating equipment, sharp objects, pinch points, etc.)	<ul style="list-style-type: none"> Ensure guards are in place if applicable. Workers in area shall not wear loose fitting clothing, jewelry, or other articles that might catch in moving equipment Follow manufacturer's operation manual and review any equipment-specific signs, postings, or markings. 		

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PRE-JOB SAFETY REVIEW GUIDE

ID: 61636

Scope of Work: Review work package/plan to ensure all participants understand the work activity.

Hazards: Review the hazards identified in Job Hazard Evaluation (JHE) / work plan (IOP).

- ☐ Since the work package / plan was written: 1) Have conditions changed? 2) Are there new hazards? Refer to Field Notes and Focus Areas.

Hazard Controls / Permits: Review:

- ☐ Written permits for the work activity.
- ☐ Precautions, step warnings, Hold Points ...
- ☐ Personal Protective Equipment (PPE)

- ☐ Work instructions for information - e.g., steps where hazards are introduced.
- ☐ ORNL subject area requirements - e.g., non-permit hazard controls.

Performing Work:

- ☐ Discuss group/individual responsibilities for safe & effective work.
- ☐ Follow work instructions & safety procedures.
- ☐ Availability/location of materials, tools, etc.
- ☐ Any previous experiences / lessons learned?
- ☐ Response if work cannot be performed as planned.
- ☐ What is the worst thing that could happen?
- ☐ Are there *Potential error traps* with the job? → →
- ☐ Take a minute before: work start & leaving work area.
- ☐ Work Hand-off / Turnover - workers & Task Leader

→ **Potential Error Traps:**

- ☐ Time pressures
- ☐ Distractive environment
- ☐ High workload
- ☐ First time evolution
- ☐ First day back
- ☐ Vague guidance
- ☐ Over confidence
- ☐ Imprecise communications
- ☐ Work stress

Abnormal Situation Response:

- ☐ *Stop Work:* Observe an unsafe act, activity or condition that creates an imminent danger.
- ☐ *Emergency Response:* Discuss egress paths or other responses if problems are encountered.

Field Notes and Focus Areas: (Use this area as a work space to record notes related to new hazards identified in the field or changed conditions. Record feedback in work package/plan information systems.)

By signing below, I am indicating that I have been briefed on the potential hazards associated with completing this job.

Signature / Badge	Date	Signature / Badge	Date