

Draft
ORNL WORK PLAN
 Operations, Maintenance and Services
 Work Plan Name / Rev: BL12 N-HELIX / 1



60274

WORK SCOPE/DESCRIPTION			
Requester (Name/Badge/Division):	Marrs, Robert / 03053994 / X186		
Location of work (Bldg/Rm/Other):	8700 / / BL12		
Work Plan Title:	BL12 N-Helix Installation		
Description of Service/Work Needed: Installation of N-Helix components.			
Charge Number, if required:			
Work Plan Grade/Worktype:	4 / 0		
Author (Name/Badge):	Marrs, Robert / 03053994		
File Attachments:			
INSTRUCTIONS			
Prerequisites/Precautions: Have RCT survey area for radiological issues.			
Directions: Remove existing components and install new N-Helix components. Have Survey and Alignment verify alignment.			
Post Work Testing: Notify beamline of work completion.			
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		
Task Leader	Marrs, Robert		
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) - Have RCT survey area for radiological issues.			
		1 Radiological Control Technician	1
WORK DETAILS - Directions			
Hazards	Permits/Controls	Resources	Dur
2) - Remove existing components and install new N-Helix components. Have Survey and Alignment verify alignment.			

Ergonomic Conditions (Contact Stress, Vibration, Posture, Force, Repetitive Motion)	<ul style="list-style-type: none"> <u>Exposure Assessment</u>: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM) Diversify activities 	SNS Research Mechanic - Mechanical	8
Manual Material Handling	<ul style="list-style-type: none"> Establish Controls (<u>Guideline</u>) [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 (<u>Guideline</u>) <u>Exposure Assessment</u>: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM) 		

WORK DETAILS - Post Work Testing

Hazards	Permits/Controls	Resources	Dur
3) - Notify beamline of work completion.			
		SNS Instrument Support Technician	1

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PRE-JOB SAFETY REVIEW GUIDE

ID: 60274

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).

- ε 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:

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

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

Performing Work:

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

→ **Potential Error Traps:**

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