



Worker Package

Title	Installation of Beamline Components		
Document No.	1525.3	Status	Approved as of 03/15/2017
Complexity Determination	Simple	Consequence Determination	Minimal
Planned Start Date	02/10/2014	Planned End Date	02/10/2017
Scope Summary	Installation of Beamline Components		
Type	Task-based Hazard Analyses	Rigor Level	Low
Approving Division	PSC	Approving Department	<i>Not Applicable</i>
NEPA Number	A1 - Routine actions necessary to support the normal conduct of agency business, such as administrative, financial, and personnel actions.	Person in Charge	Rossi, Paul

Task Summary	
Task #	Task
1	Installation of Beamline Components

Attachments			
File Name	Description	Date	Attached By

Assets	
CODE	DESCRIPTION

Permits Summary	
Code	

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Task 1 Installation of Beamline Components			
Task Description	Install beamline components as necessary to support work.		
Planned Start Date	02/10/2014	Planned End Date	02/10/2017
Scope Limits	Installation does not include operations that require permits, electrical installations, or blind penetrations.		
Task Attachments	File Name	Date	Attacher
Response to Unplanned Events	Stop work immediately and contact the supervisor. In case of emergency dial 911.		
Worker Proficiencies	<i>Not Applicable</i>		

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Task 1 Installation of Beamline Components		
Hazard Detail	Controls	Training
/General site hazards In a Laboratory Task Hazard Relationship Installation of beamline components	verify entry requirements on signage prior to entry 1/4 length or longer sleeves long trousers without cuffs over shoe tops safety glasses with sideshields (ANSI Z87.1) safety-toe protective footwear (e.g., composite or steel-toe)	
/Physical safety hazards/Hand tool hazards/Non-powered hand tool GENERIC (use for all hand tools - select this in addition to those below, if appropriate) Task Hazard Relationship Installation of beamline components	do not carry hand tools in pockets - carry in hands, tool pouches, bags, or boxes do not place tools where they can cut, fall on, or trip someone do not use "cheater bars" to increase leverage, torque, or extend handle of tool follow LMS-PROC-153 inspect tools before each use - never use broken or damaged tools only use tools you have been trained to use verify handles are tight and free of grease or oil safety glasses with sideshields (ANSI Z87.1) shoes that cover the entire foot sturdy work gloves when handling rough or sharp material	

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Task 1 Installation of Beamline Components		
Hazard Detail	Controls	Training
<p>/Physical safety hazards/Hand tool hazards/Powered hand tool (e.g., electric, pneumatic, battery powered)</p> <p>Electric power tool</p> <p>Task Hazard Relationship Installation of Beamline Components</p>	<p>GFCI (fixed or portable) - test at start of each shift before use</p> <p>apply "Do Not Use" tag to damaged or unguarded tools, notify supervisor</p> <p>caution when wearing gloves while operating power tools</p> <p>dead front plugs, receptacles, connectors (remove open face plugs from service)</p> <p>disconnect source of power before changing accessories</p> <p>do not lay cords or air hose across floor - suspend or mark area with signs/barricades</p> <p>grounding prong must be present if the plug is equipped with one</p> <p>if it is necessary to lay power cords and air hoses along the ground, protect them from vehicles and pedestrians by laying two planks on either side of cord/hose or by building a runway over it</p> <p>perform electrical tool inspection: check for chafing, cracking, poor cord insulation, missing/faulty grounding conductor/prong, missing/bent/damaged switch or trigger, damaged motor housing, missing cover plates, exposed live parts, signs of overheating or excessive sparking</p> <p>power cords may not have cuts/nicks or be wrapped with tape</p> <p>pull back long hair to keep from getting caught in tools</p> <p>set down portable power tool only after it has come to a complete stop</p> <p>hearing protection</p> <p>no jewelry</p> <p>safety glasses with sideshields (ANSI Z87.1)</p> <p>shoes that cover the entire foot</p> <p>work gloves</p>	

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Hazard Detail	Controls	Training
/Physical safety hazards/ Hoisting and rigging - mechanically-assisted material handling equipment Jack (mechanical, hydraulic, air, etc.) Task Hazard Relationship Installation of beamline components	operator must be trained and authorized for equipment use by Argonne sturdy work gloves when handling rough or sharp material or when pinching hazards are present	
/Physical safety hazards/ Hoisting and rigging - mechanically-assisted material handling equipment Manual or power-operated hoist, winch, jib, or floor crane Task Hazard Relationship Installation of beamline components	operator must be trained and authorized for equipment use by Argonne hard hat when overhead hazard exists safety glasses with sideshields (ANSI Z87.1) safety-toe protective footwear (e.g., composite or steel-toe) sturdy work gloves when handling rigging equipment or rough or sharp material	ESH436 Chain Fall Operator Training

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Hazard Detail	Controls	Training
/Industrial hygiene hazards/ Physical agents/Laser/Class 1, Class 2, or Class 2M Per manufacturer Task Hazard Relationship Beamline Component Installation IH Monitoring Requested No IH Recommendations	refer to manufacturer specification	

Locations			
Building	Room	Location	Task
400			Task # 1

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Reviews and Approval			
Type	Reviewer	Reviewer Comments	Completed
Draft	Rossi, Paul (#57494)(630) 252-4192		03/13/2017
Review Team Lead Signoff	Rossi, Paul (#57494)(630) 252-4192		03/13/2017
Divisional Approval	Barkalow, Thomas (#44669)(630) 252-9243		03/15/2017