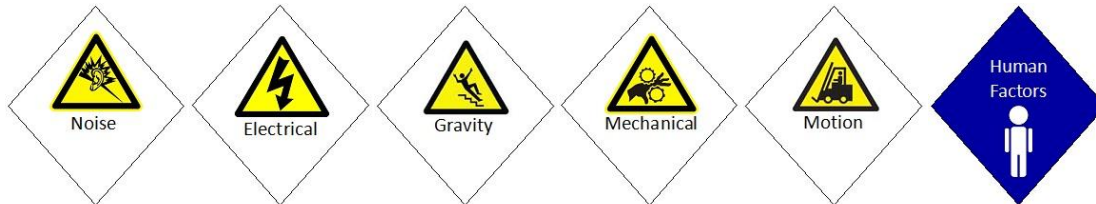


PURPOSE/APPLICATION

To provide guidance on the safe installation of instruments such as flow, level, pressure, temperature gauges, switches and transmitters.

COMMON HAZARD SOURCES AND CONCERNS**PPE**

- Strike Minimum Requirements (Hard Hat, Safety Glasses, Safety Footwear, Gloves, Appropriate Protective Clothing)
- Other PPE as per HIAC (Goggles for Drilling, Hearing Protection, Reflective Coveralls, Face Shield, Fall Protection Equipment, FRC)

TRAINING

- Strike Orientation
- Indentured in Industrial Instrumentation Apprenticeship, Technologist or Journey Person.

TOOLS/EQUIPMENT

The following Equipment may be required

- Taps
- Generator
- Ladder
- Appropriate Hand and power tools

PRE-JOB ACTIVITIES

1. Obtain Safe Work Permit (when required)
2. Inspect all Tools and Equipment – Complete daily pre use inspection of all tools and equipment
3. Inspect Instrumentation Device being installed to ensure there are no manufacturer defects
4. Assess work utilizing the HIAC Process
5. Review Instrument Installation Details

#	Job Steps	Hazards and Concerns	Control Measures
1.	Area Assessment	<ul style="list-style-type: none"> ▪ Other Disciplines ▪ Area Congestion ▪ Overhead /underground hazards ▪ New or existing facility 	<ul style="list-style-type: none"> ▪ Complete your HIAC ▪ Ensure your work area is clear from any overhead/underground hazards and is in a tidy, organized state ▪ Lock out policy and procedures required for existing facility
2.	Material Staging	<ul style="list-style-type: none"> ▪ Ergonomics - Body Positioning and Manual Lifting 	<ul style="list-style-type: none"> ▪ Ensure worker receives help when needed ▪ Use of material boxes or bags ▪ Stretch prior to work
3.	Installing Instrument	<ul style="list-style-type: none"> ▪ Gravity – falling equipment, ground conditions ▪ Line of Fire – Pinch Points 	<ul style="list-style-type: none"> ▪ Fall protection plan if height is over 1.6m or if there is an unusual possibility of injury. ▪ Dropped objects plan ▪ Be aware of surroundings; be sure you maintain an escape route ▪ Watch hand placement, keep hands clear of crush and pinch points
4.	Apply Tagging	<ul style="list-style-type: none"> ▪ Motion – Sharp Edges 	<ul style="list-style-type: none"> ▪ Task appropriate gloves
5.	Clean Work Area	<ul style="list-style-type: none"> ▪ Gravity - Tripping Hazards and Slippery Ground Conditions 	<ul style="list-style-type: none"> ▪ Maintain housekeeping ▪ Plan work for ground conditions

Additional Precautions

- Traffic on work site
- Concurrent operations

REFERENCES/ADDITIONAL INFORMATION

Strike Safe Work Practice

- SWP 18 – Tools/Equipment/Machinery
- SWP 19 – House Keeping
- SWP 22 – Material Handling
- SWP 25 – Ladders
- SWP 27 – Safe Work Permit
- COP 05 – Lock Out – Tag Out
- COP 06 – Fall Protection



SAFE JOB PROCEDURE

SJP-EI-18

DATE: February 2021

Instrument Installation

REGULATIONS:

Saskatchewan OH&S Regulation and Code

- Part 11 Powered Mobile Equipment

Alberta OH&S Codes

- Part 15 Managing the control of hazardous energy
- Part 18 Personal Protective Equipment
- Part 19 Powered mobile equipment

Manitoba OH&S Code

- Part 4.5 Slipping and Tripping Hazard
- Part 38 Electrical Safety

BC OHS Regulations

- Part 11 Fall Protection
- Part 13 Ladders, Scaffolds and Temporary Work Platforms
- Part 15 Rigging
- Part 16 Mobile Equipment
- Part 19 Electrical Safety

Developed by:	1.	<u>Chad Sewall</u>	2.	<u>Cody Michalenko</u>	Date:	<u>June 3, 2020</u>
	3.	<u>Kurt Moltzan</u>	4.	<u>Harold Nikipelo</u>		
Approved by:	1.	<u>HSE Committee</u>			Date:	<u>February 2021</u>
