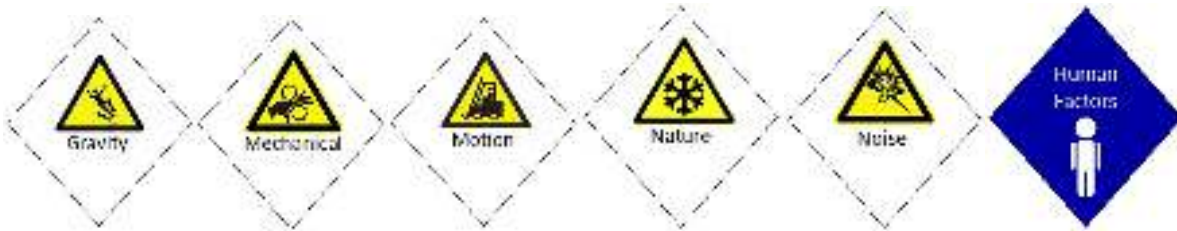


PURPOSE/APPLICATION

To provide guidance on the installation of Self-Regulating Heat Trace. Self-Regulating Heat Trace is used to prevent pipes from freezing; the cable comes on reels and is cut to the proper length and taped to the pipe.

COMMON HAZARD SOURCES AND CONCERNS**PPE**

- Strike Minimum Requirements (Hard Hat, Safety Glasses, Safety Footwear, Appropriate Protective Clothing)
- Fall Protection Equipment (where required)

TRAINING

- Strike Orientation
- Fall Protection Training – where required
- Aerial Lift Training – where required

TOOLS/EQUIPMENT

- Side Cutter
- Aerial Lift
- Ladders
- Reel Jacks
- Megger Meter

PRE-JOB ACTIVITIES

1. Inspect all tools and equipment
2. Assess work and site hazards according to the HIAC process
3. Inspect all mobile equipment prior to use using – CF-S-18 Construction Equipment Daily Prestart Checklist

#	Job Steps	Hazards	Control Measures
1.	Set up reel	<ul style="list-style-type: none"> ▪ Motion – Congested work area, Uneven ground, Line of fire 	<ul style="list-style-type: none"> ▪ Flag off work area ▪ Pre job hazard assessment
2.	Run heat trace along pipe	<ul style="list-style-type: none"> ▪ Gravity - Falling tools and equipment, working at heights ▪ Human Factors – Strain, repetitive motions 	<ul style="list-style-type: none"> ▪ Flag off area – where working at heights ▪ Implement a fall protection plan if height is over 1.6m or if there is an unusual possibility of injury, or as per site requirement ▪ Use fall protection equipment as per COP 06 Fall Protection ▪ Maintain communication between workers, use radios as required ▪ Work in teams were appropriate
3.	Tape heat trace in place	<ul style="list-style-type: none"> ▪ Gravity - Working at heights, Dropping equipment 	<ul style="list-style-type: none"> ▪ Fall protection equipment ▪ Tool lanyards
4.	Install end kits and power kits	<ul style="list-style-type: none"> ▪ Gravity - Working at heights, Falling equipment 	<ul style="list-style-type: none"> ▪ Fall protection equipment ▪ Use gloves and
5.	Megger test	<ul style="list-style-type: none"> ▪ Electrical – Electricity 	<ul style="list-style-type: none"> ▪ Work in pairs ▪ Ensure proper communication between everyone involved ▪ Ensure line is clear
6.	Megger test again after insulation is installed	<ul style="list-style-type: none"> ▪ Electrical – Electricity 	<ul style="list-style-type: none"> ▪ Work in pairs ▪ Ensure proper communication between everyone involved ▪ Ensure line is clear

ADDITIONAL PRECAUTIONS

The heat trace must be visually inspected prior to use and throughout the process to ensure it is not damaged in anyway.

REFERENCES/ADDITIONAL INFORMATION

Strike Safe Work Practice

- SWP 18 – Tools/Equipment/Machinery
- SWP 22 – Material Handling
- SWP 20 – Working at Heights
- SWP 25 – Ladders
- SWP 32 – Lock Out / Tag out



REGULATIONS

Alberta OH&S Code

- Part 9 – Fall Protection
- Part 14 – Lifting and handling loads
- Part 15 – Managing the control of hazardous energy
- Part 19 – Powered mobile equipment
- Part 21 – Rigging

Manitoba Code

- Part 16 – Machines, Tools and Robots
- Part 22 – Powered Mobile Equipment
- Part 23 – Cranes and Hoists
- Part 38 – Electrical Safety

Saskatchewan OHS Regulation and Code

- Part 11 – Powered Mobile Equipment
- Part 14 – Rigging
- Part 16 – Entrances, Exits and Ladders
- Part 30 – Additional Protection for Electrical Workers

BC OHS Regulations

- Part 11 Fall Protection
- Part 13 Ladders, Scaffolds and Temporary Work Platforms
- Part 19 Electrical Safety

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