

	FALL PROTECTION RESCUE PLANNING		
	Procedure Type: Emergency		Department: Operations
	Document Owner: Manager, EH&S		Document Contact: Loss Control Advisor
Document Number: 4000-ZPR-SMSAFESA-009800	Issue Date: 10/09/2019	Revision Number: 1	Next Review Date: 07/09/2020

Purpose and Scope:	<p>This Non-Operations Procedure describes the steps to safely prescribe the rescue planning requirements when a worker has the potential for an arrested fall.</p> <p>In the event of a fall, it becomes a priority to rescue the fallen worker. Working with Fall Protection Equipment has some unique risks. Suspension trauma, or orthostatic intolerance, is a natural human reaction to being upright and immobile where blood pools in the legs leading to unconsciousness. The body reacts to this pooling by speeding up the heart rate in an attempt to maintain sufficient blood flow to the brain.</p> <p>Prolonged suspension can result in unconsciousness, followed by death, in less than 30 minutes.</p>
Personal Protective Equipment (PPE) Required:	Normal mandatory PPE for working in process areas required. Additional PPE may be required as per Refinery Standards and applicable Material Safety Data Sheets (MSDS).
References:	O. Reg. 213/91, Section 26.1 (4)

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NON-OPERATIONS PROCEDURE INSTRUCTION

NOTE

Workers using fall arrest shall not work alone unless alternative means of ensuring immediate notification in the event of a fall arrest emergency have been provided.

In the event of a fall arrest emergency, contact Security by radio or 2222. Security will call in CVECO Code 9, specifically requesting high angle rescue support.

Fall Protection Rescue Planning:

1. Include fall protection rescue planning in the job planning process.
2. Identify jobs requiring the use of fall arrest and ensure a Fall Protection Rescue Plan (Appendix A) has been completed prior to work commencing.
3. Ensure fall arrest systems are equipped with relief steps.

Role and Responsibilities of Area Owners/Designates:

1. Ensure the requirements prescribed in the Fall Protection Rescue Planning Procedure are followed in their area of responsibility. (Appendix B, Areas of Authority).
2. Approve Fall Protection Rescue Plans submitted by Suncor fall arrest users in their area.
3. Maintain a file of Fall Protection Rescue Plans.
4. Audit compliance to this procedure periodically.

Roles and Responsibilities of Maintenance Planners and Construction Coordinators:

1. Identify maintenance and construction jobs requiring the use of fall arrest.
2. Ensure contractors have developed a Fall Protection Rescue Plan for all jobs requiring fall arrest.

Roles and Responsibilities of Contractor Supervisor:

1. Complete Fall Protection Rescue Plans for jobs requiring fall arrest equipment.
2. Ensure all fall arrest systems used are equipped with relief steps.
3. Review Fall Protection Rescue Plan with the workers and have them sign as acknowledgement of their understanding.
4. Keep the Fall Protection Rescue Plan in a doc box at the job site.
5. Maintain a file of Fall Protection Rescue Plans.

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Roles and Responsibilities of Contract Worker:

Review the Fall Protection Rescue Plan with their supervisor and sign as acknowledgement of their understanding.

Roles and Responsibilities of Suncor Fall Arrest Users:

1. Complete Fall Protection Rescue Plans for jobs requiring fall arrest equipment and submit to Area Owner (or designate) for approval.
2. Ensure all fall arrest systems used are equipped with relief steps.
3. Keep the Fall Protection Rescue Plan in a doc box at the job site.
4. Return Fall Protection Rescue Plan to Area Owner (or designate) for filing upon completion of the job. The plans should be stored in accordance with record keeping requirements prescribed in the Safe Work Permit standard.

Roles and Responsibilities of Operations Shift Leaders:

1. Serve as the Incident Commander in the event of a Fall Arrest Emergency.
2. Approve Fall Protection Rescue Plans prepared by Suncor fall arrest users on the back shift.

Roles and Responsibilities of Emergency Response Specialist:

Ensure adequate rescue resources and equipment is available to rescue a worker in fall arrest. Should the emergency take place during the back shift or weekend, the Incident Commander will coordinate municipal rescue support through Security.

Roles and Responsibilities of Safety Specialist:

Audit compliance to this procedure annually.

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CHANGES / UPDATES

Are any changes/updates required? YES NO

Changes/updates required may be written within the procedure itself or in this section.

All comments **MUST** include operator name and review date (mm/dd/yy).

Name:

Date:

END OF PROCEDURE

REVISION LOG

Date (MM/DD/YYYY)	Revision	Section	Comments	Editor (Name)
06/14/2012	1	All	Updated format and placed into new template, but content was not altered	
07/25/2013	-	Header	Document owner & contact updated, but no content changed.	L. Lebert
06/08/2015	-		Review with no changes	T. Richard
10/09/2019	-		Review with no changes	T. Richard

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APPENDIX A
Fall Protection Rescue Plan
 Sarnia-Lambton Safety Partnership Fall Protection Program

Document Number:
 4000-ZPR-SMSAFESA-009800

Permit #: _____ Site: _____ Unit: _____

Start Date: _____ End Date: _____ Supervisor: _____ Area Owner: _____

WORK ACTIVITY	DESCRIPTION OF WORK
Structural <input type="checkbox"/> Open Surfaces <input type="checkbox"/> Ladders <input type="checkbox"/>	_____
Scaffold <input type="checkbox"/> Unprotected Edges <input type="checkbox"/> Work Platforms <input type="checkbox"/>	_____

SPECIALTY APPLICATIONS	FALL PROTECTION EQUIPMENT SELECTION
Structural Steel Erection <input type="checkbox"/>	Full Body Harness <input type="checkbox"/> V-Lifeline <input type="checkbox"/> Retrac-Web <input type="checkbox"/>
Confined Space <input type="checkbox"/>	Lanyard/SA <input type="checkbox"/> H-Lifeline <input type="checkbox"/> Retrac-Cable <input type="checkbox"/>
Working Above Water/Fluids <input type="checkbox"/>	Ropes/Lifelines <input type="checkbox"/> Rope Grabs <input type="checkbox"/> Carabiners <input type="checkbox"/>
Working Above Machinery <input type="checkbox"/>	
Other <input type="checkbox"/>	

COMMUNICATION METHODS	INTERNAL	EXTERNAL
Observer/Buddy <input type="checkbox"/> Air Horns <input type="checkbox"/>	Emergency Services <input type="checkbox"/>	Ambulance <input type="checkbox"/>
Radio Ch #: _____ Cell Phone #: _____	Maintenance <input type="checkbox"/>	Fire Dept. <input type="checkbox"/>
		Mutual Aid <input type="checkbox"/>

RESCUE EQUIPMENT LOCATION	HAZARD ASSESSMENT FOR RESCUERS	
Central Location <input type="checkbox"/>	Structural Failure <input type="checkbox"/>	Hazardous Gas <input type="checkbox"/>
Job Location <input type="checkbox"/>	Entanglement <input type="checkbox"/>	Hazardous Products <input type="checkbox"/>
Mobile <input type="checkbox"/>	Communication Difficulties <input type="checkbox"/>	Water/Fluids/Drowning <input type="checkbox"/>
_____ <input type="checkbox"/>	Slippery Surfaces <input type="checkbox"/>	Gravity Fed Objects <input type="checkbox"/>
_____ <input type="checkbox"/>	Poor Lighting <input type="checkbox"/>	Electrical Sources <input type="checkbox"/>

RESCUE METHODS	ANCHOR POINTS	DESCRIPTION
Self-Rescue <input type="checkbox"/> Relief Step <input type="checkbox"/>	Structural <input type="checkbox"/>	_____
Assisted Self-Rescue <input type="checkbox"/> Rescue Pole <input type="checkbox"/>	Tripod <input type="checkbox"/>	_____
Portable Ladder – Rigid <input type="checkbox"/> Assembled Scaffolding <input type="checkbox"/>	Crane <input type="checkbox"/>	_____
Portable Ladder – Flexible <input type="checkbox"/> Bucket Truck <input type="checkbox"/>	Other <input type="checkbox"/>	_____
Elevated Work Platform <input type="checkbox"/> Rope Rescue Methods <input type="checkbox"/>		

NAME (Please print)	SIGNATURE	NAME (Please print)	SIGNATURE
1.		4.	
2.		5.	
3.		6.	

	APPENDIX A Fall Protection Rescue Plan Sarnia-Lambton Safety Partnership Fall Protection Program	Document Number: 4000-ZPR-SMSAFESA-009800
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Explanation of Fall Protection Rescue Planning Form Sections

Permit # / Site and Unit location / Start and End dates / Supervisor and Area Owner signature:

This information should be indicated at the top of the plan. The contractor supervisor should sign if the work is maintenance or capital. The rescue planning form requires approval by the Area Owner (or designate).

Work Activity: Describe the work activity.

Specialty Applications: Are there specialty applications associated with this work?

Fall Protection Equipment Selection: What type of fall protection components will be used?

Communication Methods: In the event of an arrested fall how will it be communicated?

Internal / External: Will internal or external emergency services be utilized?

Rescue Equipment Location: Is the rescue equipment located at the job site, Central Location (Suncor Fire Hall) or Sarnia Fire and Rescue?

Hazard Assessment for Rescuers: Rescuers complete this section. They identify hazards they may encounter.

Rescue Methods: What methods will be used to rescue the worker?

Anchor Points: Identify the anchor points to be used.

Worker Signatures: Each worker involved in the activity should review the Fall Protection Rescue Plan with their supervisor and sign acknowledging their understanding.



**APPENDIX B
Areas of Authority**

Document Number:
4000-ZPR-
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AREA	Description	AUTHORITY
Plant 1	Gas Alky, Amine Unit, Gas Desulphurization Unit, Plant 1 Crude Unit, HDS, HCC, Boilers (H110 / H115 / H117), Boiler feedwater systems, Treated water, Reformer 1, Reformer Deprop., Jet/LSD, Splitter/Mole Sieve, CB1, Sub 1, and Electrical Manholes in unit.	Manager, Zone 1
Plant 2	Plant 2 Crude Unit, Sour Water Stripper, Vacuum Unit, Pretreater Unit, Reformer 2, BTX Unit, Plant 2 Cooling Tower, Alternate Flare, CB3, Sub 2,7 & 8, and Electrical Manholes in unit.	Manager, Zone 2
Plant 3/4	Plant 3: Reaction Unit, Fractionation Unit, Hydrogen Unit, Amine Recovery, Sour Water Stripper, Acid Gas Flare, Main Flare, Plant 3/4 Cooling Tower, Sub 3. Plant 4: Diesel Hydrotreater, Amine Recovery, Sour Water Stripper, Water Treatment Unit, CB4, Sub 12, Sulphur Unit, and Electrical Manholes in units.	Manager, Zone 3
Offsites	Tank Farms (East/West), TX Racks, Docks 1 & 2, SCPL, Land Farm Area, Vidal St. Right of Way, R/R Right of Way (Along "A" Ave.), W.W.T. Area, Solvents Tank Area, main gate weigh scale, CB1, Sub 4, 5, 6, 9 & 10, STS, and Electrical Manholes outside process areas.	Manager, Offsites/Logistics
Maintenance / Electrical	All remaining buildings and lands outside of process unit areas including Shops, Admin, Maintenance, etc. All refinery parking lots, roadways and walkways except within process unit areas. Wash Pad, Laydown Storage Areas.	Manager, Maintenance
Laboratory	Main laboratories and lab offices	Manager, Laboratory
EH&S	EHS Offices, Fire Hall, Main Gate Security, HC Security Gate, Fire Training Area, and Oil Spill Dock.	Manager, EH&S
Warehouse	Warehouse and yard	Warehouse Team Lead



The following individuals have approved and signed this document.

UserName: Todd Murray (toddmurray)

Title: Mgr EH&S Sarnia Refinery

Date: Thursday, 17 October 2019, 06:49 AM Mountain Time

Meaning:

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