

Working at Heights Risk Assessment PHR Triggers

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| A Fall Protection System Must be in place for the following: |
| Is there a hazard of falling 1.8 meters or more? |
| Regulation 213/91 26(2): Will any work be done at 1.2 meters above ground, where the work area is used as a path for a wheel barrow or similar equipment? |
| Will any work be done over: |
| - operating machinery |
| - water |
| - hazardous substance |
| Will any work be done around an open hole? |
| Will any work be done working from equipment? (elevating work platforms, other lifting equipment, remote operation, etc.) |
| If any work will be done from mobile equipment have Maintenance / Pre-op requirements considered prevention measures? |
| Will any unconsolidated material be used as a platform? |
| Regulation 854 46(3): Is every walk way or platform more than 1.5 meters above ground equipped with a guardrail system? |
| If a guardrail system is not reasonably possible to install, are all workers adequately protected with fall protection? |
| If a guardrail system is not reasonably possible to install, has the scaffolding or platform been designed by a professional engineer? |
| Will a guardrail system or protective covering be temporarily removed? Is adequate protection and signage in place. |
| Regulation 213/91 233(4): Will any work be done in or around an excavation more than 2.4 meters deep? |
| <i>Can the Working at Heights condition be eliminated?</i> Consider developing a Fall protection Work Plan |
| Anchor Points |
| Is there adequate anchor points for fall protection systems with a full body harness? |
| Are anchor points located at or above the waist height? (to avoid free fall of more than 1 meter) |
| Are all anchor points free of sharp edges and capable of resisting the arrest force? (mitigation measures may include chafing pads, abrasion resistant straps, etc.) |
| If a temporary anchoring hitch is used, is it capable of sustaining twice the force it may be subjected to? |
| Are all anchor points in accordance with CSA Standards and Vale Engineering Standards? (generally a structural member, beam, girder, column, etc.) (<i>Rule of thumb: can it support 3600 lb</i>) |
| Barricading (SPI SAF-18) |
| Are all barricades installed a minimum of 6 feet back from open hole? |
| If a chain or rope is used as a barricade is it a minimum of 1/4" link chain or 3/8" polypropylene rope? |
| Has the worker or group installing the barricade obtained permission from the Vale person responsible for the area? |
| Do all barricades have an completed approved identification tag and sign describing the fall hazard? |
| Are all work areas (above and below) barricaded due to working overhead / multiple horizons? |
| Are all access points to an open hole condition (doorways, walkways, etc.) barricaded? |
| Other: |
| Is the appropriate fall protection system used as identified in O.Reg 213/91 s 26? |
| Are all full body harnesses the correct size and adjusted to fit properly? |
| Are all fall protection systems inspected by a competent worker before each use? |
| Are fall restricting systems designed and arranged in accordance with the manufacture's instructions? |
| If steel slings are used as part of the fall protection system are all slings stainless steel and a min. of 1/4" diameter? |
| If a Fall Protection System will be used, is there a Rescue Plan? |
| Has the Rescue Plan been reviewed and understood by the workers and those designated as Rescuers? |
| Is the Rescue equipment readily available, in good working order and inspection forms completed? |
| Are documented annual harness inspections completed as per legislated CSA Standards requirements? |
| Training: |
| Have all workers who require Fall Protection been adequately trained? |
| Do all workers who require Fall Protection have a training card on their person while working on Vale property? |
| Have all workers reviewed the fall clearance distances for their work areas? |