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Update 2021 – 4

TO: HOLDERS OF THE *PREVENTION MANUAL*

This update of the *Prevention Manual* contains amendments to the *Manual* implemented since update 2021 – 3.

The revised pages are amendments for:

- Table of Contents
- Item P2-97-1
- Item R16.3-2 (now R16.25-1)
- Item R16.21-1 (now R16.33-1)
- Item R16.22-1 (now R16.34-1)
- Item R16.24-1 (now R16.36-1)

A summary is attached and the amended pages are included as part of the package, effective **September 1, 2021**.

These amended pages and the complete manual are available at
<https://www.worksafebc.com/en/law-policy/occupational-health-safety/ohs-policies>

Ian Shaw
Head of Law & Policy

Attachments

PREVENTION MANUAL
Transmittal Sheet for Update 2021 – 4

Check As Done	Remove Old Pages Numbered/Titled:	Insert New Pages Numbered/Titled:
<input type="checkbox"/>	Table of Contents	Pages 3 to 5
<input type="checkbox"/>	P2-97-1	Page 5
<input type="checkbox"/>	R16.3-2	R16.25-1 – page 1
<input type="checkbox"/>	R16.21-1	R16.33-1 – pages 1 to 2
<input type="checkbox"/>	R16.22-1	R16.34-1 – pages 1 to 2
<input type="checkbox"/>	R16.24-1	R16.36-1 – pages 1 to 2

MISCELLANEOUS PROVISIONS RELATING TO OTHER PARTS OF THE ACT

P1-4-1

Imposition of Levies - Independent Operators

P5-251-1

Claims Cost Levies

POLICIES APPLYING TO THE OCCUPATIONAL HEALTH AND SAFETY REGULATION*

PART 2 – APPLICATION

R2.2-1 Application - General Duty (“Undue Risk”)

**NOTE: Divisions of the Act and Parts of the OHSR that do not have any related policy are not listed in the table of contents.*

PART 4 – GENERAL CONDITIONS

R4.25-1 General Conditions - Workplace Conduct - Prohibition of Improper Activity or Behaviour
R4.27-1 General Conditions - Violence in the Workplace - Definition
R4.28-1 General Conditions - Violence in the Workplace - Risk Assessment
R4.29-1 General Conditions - Violence in the Workplace - Procedures and Policies
R4.29-2 General Conditions - Violence in the Workplace - Workplace Violence Prevention Program
R4.30-1 General Conditions - Violence in the Workplace - Instruction of Workers
R4.31-1 General Conditions - Violence in the Workplace - Advice to Consult Physician

PART 5 – CHEMICAL AND BIOLOGICAL SUBSTANCES

R5.48-1 Exposure Limits
R5.54-1 Chemical and Biological Substances - Controlling Exposure - Exposure Control Plan

PART 8 – PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT

R8.33-1 Personal Protective Clothing and Equipment - Respirators - Interchanging Air Cylinders
R8.33-2 Personal Protective Clothing and Equipment - Respirators - Interchanging Air Lines

PART 10 – DE-ENERGIZATION AND LOCKOUT

R10.3-1 De-Energization and Lockout - When Lockout Required (Automatic) J-Bar Sorting Systems

PART 16 – MOBILE EQUIPMENT

R16.25-1 Mobile Equipment - General Requirements - Operation and Maintenance (Fuel Tank Filler and Vent Outlet Locations)
R16.33-1 Mobile Equipment - Guards - Protective Structures (Hydraulic Excavators)

- R16.34-1 Mobile Equipment - Guards - Rollover Protective Structures (Pipe Layers)
- R16.36-1 Mobile Equipment - Guards - ROPS Certification (Sweep Arms)

PART 17 – TRANSPORTATION OF WORKERS

- R17.12-1 Transportation of Workers - Crew Cars, Buses and Crummies - Seating Design

PART 19 – ELECTRICAL SAFETY

- R19.25-1 Electrical Safety - Working Close to Energized High Voltage Equipment and Conductors
- R19.30-1 Electrical Safety - Tree Pruning and Falling Near Energized Conductor - Preliminary Inspection

PART 20 – CONSTRUCTION, EXCAVATION AND DEMOLITION

- R20.17-1 Construction, Excavation and Demolition - Concrete Formwork and Falsework - Specifications and Plans
- R20.72-1 Construction, Excavation and Demolition - Open Web Joists and Trusses - Erection Instructions (All-Wood Plate-Connected Open Web Trusses)

PART 24 – DIVING, FISHING AND OTHER MARINE OPERATIONS

- R24.87-1 Fishing Operations - Equipment Control Devices

PART 26 – FORESTRY OPERATIONS

- R26.11-1 Forestry Operations - General Requirements - Dangerous Trees (Removal Prior to Silviculture Activities)
- R26.86-1 Forestry Operations - Water Operations - Boat Equipment (Towline Guards and OPS for Boom Boats)

PART 30 – LABORATORIES

- R30.8-1 Laboratories - General Requirements - Fume Hoods (Ventilation Systems)

APPENDICES**APPENDIX 1**

Retired Decisions from Volumes 1 - 6 (Decisions No. 1 - 423) of the *Workers' Compensation Reporter*

PRACTICE

The President's Delegation of Authority states the authority to approve injunction applications is delegated to WorkSafeBC's Head of Law and Policy. WorkSafeBC lawyers apply to the Court for the injunction. The Court then decides whether to grant an injunction.

Applications Without Notice

WorkSafeBC's normal practice is to provide notice whenever possible before the application is made.

Although the *Act* states that injunction applications may be made without notice, this will be done rarely and generally only in circumstances of extraordinary urgency. Court decisions state that there must be a very significant reason to proceed without notice to the other party.

EFFECTIVE DATE:	December 1, 2011
AUTHORITY:	Section 97 of the <i>Act</i> .
CROSS REFERENCES:	Sections 21(1)(b), 89, 90, and 91 of the <i>Act</i> ; Section 2.4 of the <i>OHSR</i> .
HISTORY:	September 1, 2021 – Practice Section updated to reflect delegation of authority to WorkSafeBC's Head of Law and Policy. October 21, 2020 – Housekeeping amendments to the Explanatory Notes and <i>Act</i> portion of the Background section to reflect amendments to the <i>Act</i> by the <i>Workers Compensation Amendment Act, 2020</i> (Bill 23 of 2020), in effect August 14, 2020. April 6, 2020 – Housekeeping changes consequential to implementing the <i>Workers Compensation Act</i> , R.S.B.C. 2019, c. 1. May 27, 2015 – Housekeeping amendments to Background Section and explanatory note under the first (a) in the policy, to reflect changes to the <i>Act</i> . Policy in effect December 1, 2011.
APPLICATION:	This policy is applicable to all decisions to pursue an injunction made after the effective date.

**RE: Mobile Equipment –
General Requirements – Operation and Maintenance
(Fuel Tank Filler and Vent Outlet Locations)**

ITEM: R16.25-1

BACKGROUND

1. Explanatory Notes

Section 16.25 sets out restrictions for a fuel tank fill point or vent opening within an enclosed cab of mobile equipment.

2. The OHSR

Section 16.25:

A fuel tank fill point or vent opening is not permitted within an enclosed cab of mobile equipment.

POLICY

See section 16.25 of the *OHSR*.

EFFECTIVE DATE:	September 1, 2021
AUTHORITY:	Section 16.25 of the <i>OHSR</i> .
CROSS REFERENCES:	
HISTORY:	September 1, 2021 – Housekeeping changes to reflect changes to the <i>OHSR</i> . April 6, 2020 – Housekeeping changes. September 15, 2010 – Housekeeping changes to update <i>OHSR</i> provisions due to repeal of Section 16.3(4), delete practice reference and make formatting changes. Replaces Policy No. 26.02-3 of the Prevention Division <i>Policy and Procedure Manual</i> .
APPLICATION:	This Item results from the 2000/2001 “editorial” consolidation of all prevention policies into the <i>Prevention Manual</i> . The POLICY in this Item merely continues the substantive requirements of Policy No. 26.02-3, as they existed prior to the Effective Date, with any wording changes necessary to reflect legislative and regulatory changes since Policy No. 26.02-3 was issued.

**RE: Mobile Equipment –
Guards – Protective Structures
(Hydraulic Excavators)**

ITEM: R16.33-1

BACKGROUND

1. Explanatory Notes

Section 16.33 sets out requirements for protection of operators of mobile equipment from various hazards.

2. The OHSR

Section 16.33(2):

Operators of mobile equipment, and any other riders of mobile equipment authorized by section 16.8, must be protected against any reasonably foreseeable hazards from falling, flying or intruding objects or materials, or tipovers, by means of cabs, windows, screens, grills, shields, deflectors, guards or structures on the mobile equipment that

- (a) are designed and installed to provide an adequate view for the operator to safely use the mobile equipment, and
- (b) meet the requirements of
 - (i) at least one of the following standards, if the mobile equipment is in the scope of the standard:
 - (A) *CSA Standard B352.0-16, Rollover protective structures (ROPS), falling object protective structures (FOPS), operator protective structures (OPS), and tip-over protective structures (TOPS) for mobile machinery – General Canadian requirements;*
 - (B) *Society of Automotive Engineers (SAE) Recommended Practice J1356 MAR2013, Performance Criteria for Falling Object Guards for Excavators;*
 - (C) *SAE J2267 APR2007 Minimum Performance Criteria for Operator Front Protective Structures (OFPS) for Certain Equipment;*

- (D) *ANSI/UL 752, Standard for Bullet-Resisting Equipment, 11th edition* (with revisions up to and including December 11, 2015);
 - (E) *WorkSafeBC G601 Standard – Heavy Duty Backstops for Logs and Rocks*, set out in Schedule 16-A of this Part;
 - (F) *WorkSafeBC G603 Standard – Heavy Duty Guards for Windows*, set out in Schedule 16-B of this Part;
 - (G) *WorkSafeBC G604 Standard – Light Duty Guards for Windows*, set out in Schedule 16-C of this Part, or
- (ii) an earlier version of at least one of the standards set out in subparagraph (i) (A) to (D), if the earlier version applied to the cabs, windows, screens, grills, shields, deflectors, guards or structures on the mobile equipment on the date of manufacture of the mobile equipment.

POLICY

See section 16.33 of the *OHSR*.

EFFECTIVE DATE:	September 1, 2021
AUTHORITY:	Section 16.33 of the <i>OHSR</i> .
CROSS REFERENCES:	
HISTORY:	<p>September 1, 2021 – Housekeeping changes to reflect changes to the <i>OHSR</i>.</p> <p>April 6, 2020 – Housekeeping changes.</p> <p>September 15, 2010 – Housekeeping changes to delete practice reference and make formatting changes.</p> <p>March 1, 2005 – Housekeeping changes to reflect the October 29, 2003 changes to the <i>OHSR</i>. This Item originally replaced Policy No. 26.16(1) of the former Prevention Division <i>Policy and Procedure Manual</i>.</p> <p>October 29, 2003 – The reproduction of section 16.21(2) of the <i>OHSR</i> in this Item was revised to reflect its amendment.</p> <p>This Item results from the 2000/2001 “editorial” consolidation of all Prevention policies into the <i>Prevention Manual</i>. The POLICY in this Item merely continues the substantive requirements of Policy No. 26.16(1), as they existed prior to the Effective Date, with any wording changes necessary to reflect legislative and regulatory changes since Policy No. 26.16(1) was issued.</p>
APPLICATION:	This policy applies to protective structures for hydraulic excavators on and after April 1, 2001.

**RE: Mobile Equipment –
Guards – Rollover Protective Structures
(Pipe Layers)**

ITEM: R16.34-1

BACKGROUND

1. Explanatory Notes

Section 16.34 requires mobile equipment to be used with a rollover protection structure unless it is a snowmobile, ATV or other mobile equipment designed for a standing operator or with a straddle seat, a golf cart, or a risk assessment respecting the mobile equipment determines there is no, or only a minimal, risk of rollover. Included in the list of equipment requiring a written risk assessment are pipe layers.

2. The OHSR

Section 16.34(2):

Mobile equipment must be used with a ROPS unless

- (a) the mobile equipment is
 - (i) a snowmobile, ATV or any other mobile equipment designed for a standing operator or with a straddle seat, or
 - (ii) a golf cart, or
- (b) a qualified person has completed a rollover risk assessment respecting the mobile equipment and determined there is no, or only a minimal, risk of rollover.

Section 16.34(3), in part:

A rollover risk assessment and determination referred to in subsection (2)(b) must be in writing if the assessment and determination pertains to one of the following types of mobile equipment:

- (a) tractors, dozers, loaders, skidders, trenchers, graders, scrapers, roller-compactors, pipe layers and rough terrain lift trucks;

POLICY

See section 16.34 of the *OHSR*.

EFFECTIVE DATE:	September 1, 2021
AUTHORITY:	Section 16.34 of the <i>OHSR</i> .
CROSS REFERENCES:	
HISTORY:	September 1, 2021 – Housekeeping changes to reflect changes to the <i>OHSR</i> . April 6, 2020 – Housekeeping changes. September 15, 2010 – Housekeeping changes to delete practice reference and make formatting changes. Replaces Policy No. 26.16(3)(b) of the Prevention Division <i>Policy and Procedure Manual</i> .
APPLICATION:	This Item results from the 2000/2001 “editorial” consolidation of all Prevention policies into the <i>Prevention Manual</i> . The POLICY in this Item merely continues the substantive requirements of Policy No. 26.16(3)(b), as they existed prior to the Effective Date, with any wording changes necessary to reflect legislative and regulatory changes since Policy No. 26.16(3)(b) was issued.

**RE: Mobile Equipment –
Guards – ROPS Certification
(Sweep Arms)**

ITEM: R16.36-1

BACKGROUND

1. Explanatory Notes

Section 26.54.1 sets out the requirements for replacement or recertification of ROPS when there may be structural damage to the sweep arm attached to a ROPS on a skidder.

2. The OHSR

Section 26.54.1:

If a sweep arm attached to a ROPS on a skidder is bent or deformed, prior to the use of the skidder

- (a) a qualified person must determine whether the ROPS may be structurally damaged as a consequence of the damage to the sweep arm, and
- (b) if the ROPS may be structurally damaged, the ROPS must either be
 - (i) recertified by the manufacturer or a professional engineer as meeting the requirements of section 16.36, or
 - (ii) replaced.

POLICY

See section 26.54.1 of the *OHSR*.

EFFECTIVE DATE:	September 1, 2021
AUTHORITY:	Section 26.54.1 of the <i>OHSR</i> .
CROSS REFERENCES:	Section 16.36 of the <i>OHSR</i> .
HISTORY:	September 1, 2021 – Housekeeping changes to reflect changes to the <i>OHSR</i> . April 6, 2020 – Housekeeping changes. September 15, 2010 – Housekeeping changes to delete practice reference and make formatting changes. Replaces Policy No. 26.16(2)-2 of the Prevention Division <i>Policy and Procedure Manual</i> .
APPLICATION:	This Item results from the 2000/2001 “editorial” consolidation of all prevention policies into the <i>Prevention Manual</i> . The POLICY in this Item merely continues the substantive requirements of Policy No.26.16(2)-2, as they existed prior to the Effective Date, with any wording changes necessary to reflect legislative and regulatory changes since Policy No. 26.16(2)-2 was issued. The references to specific brand names in Policy No. 26.16(2)-2 have been deleted as not being appropriate for inclusion in policy.