

WorkSafeBC and ESC Pre-Drilling Season Update

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January 9, 2025



Agenda

- **Introductions**
- **Industry Update**
- **2025 Strategy**
- **Field Observations**
- **Incidents**
- **Industry Questions**
- **New and Proposed Regulation**
- **Common Questions**
- **Questions?**





Industry Update

Oil and Gas Injury/Serious injury rates (5years)

Time Loss Claims							
Year	BC Injury Rate	Oil and Gas Injury Rate	BC Serious Injury Rate	Oil & Gas Serious Injury Rate	BC % Serious Injury	Oil & Gas % Serious Injury	
2020	2.2	0.4	0.3	0.1	14 %	33%	
2021	2.3	0.5	0.3	0.1	14 %	25%	
2022	2.5	0.5	0.3	0.1	12 %	29%	
2023	2.2	0.4	0.3	0.1	13 %	31%	
2024	***	***	***	***	5 %	11%	

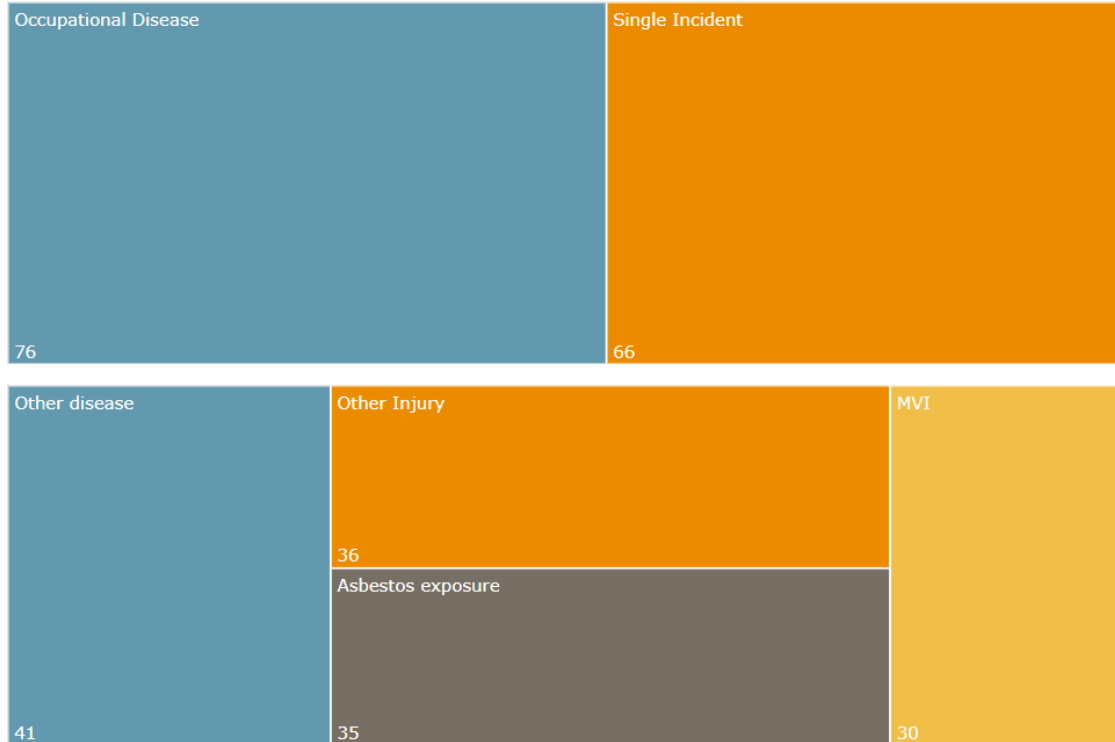
Accident Type (last 5 years)

	Mapped Accident Type	Count	Percent
SLF	Overexertion	147	17.7 %
	Fall on Same Level	97	11.7 %
	Exposure to Toxic Substances	82	9.9 %
	Struck By	82	9.9 %
	Fall from Elevation	75	9.0 %
	MVI	59	7.1 %
	Unclassified	45	5.4 %
	Caught In	40	4.8 %
	Other Bodily Motion	31	3.7 %
	Exposure to Noise	29	3.5 %
	Involuntary motion	28	3.4 %
	Repetitive Motion	28	3.4 %
	Other	89	10.7 %
	Total		832



2024 year to Date accepted Fatal Claims

Total number of work-related death claims is: 142, where number of work-related deaths with the same injury year, death year and accepted year is: 34



Oil and Gas 7040 subsector accepted claims in 2023

Total number of work-related death claims is: 2, where number of work-related deaths with the same injury year, death year and accepted year is:

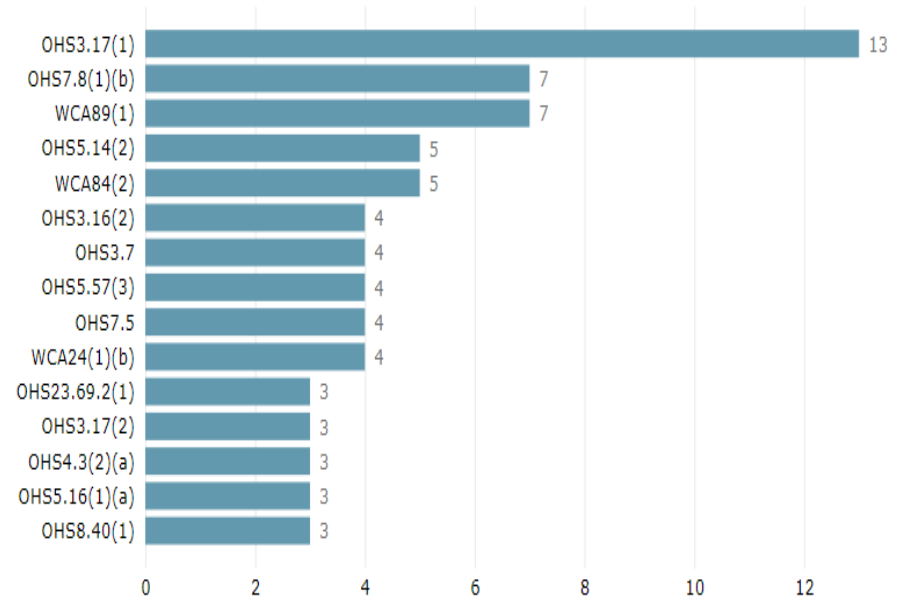


Regional Oil and Gas Inspections 2023-year to date

Item	Industry Activity	#
Inspections Reports		199
Employer Locations		120
Orders Issued		195
Stop Use Orders		7
Stop Work Orders		3
Temporay Cesation		1
Warning Letters Sent		2
Penalties Imposed		6
Notice of Incidents		28

Count of Document Regulations

BY REGULATION





2025 Oil and Gas Strategy Overview

2025 Oil and Gas Inspectional Initiative

Primary goal

Help employers prevent fatal, serious and repetitive injuries in the following areas:

- Fire and explosions across the oil and gas sector, with particular emphasis upon well servicing and waste disposal
- Control of hazardous energy (includes static electricity)
- Pressure management/Control which includes flow piping systems
- Manual tree falling (Supervision to the level of Risk)
- Pipeline construction (mechanisms of injury)
- Occupational exposures
- Musculoskeletal Injuries/Ergonomics



Oil and Gas Initiative Focus Continued



Focus

- **Working with our internal risk analysis department, conduct targeted inspections within the focus areas and emerging risk areas**
- Support the development of tools and resources relating to safe work procedures in high-risk operations
- Partner with Energy Safety Canada and industry trade associations to help their initiatives align with mitigation measures relating to strategic focus areas
- Deliver key messaging and information to employers and workers through the HSA's and sector associations

Risk Management Basics (RMB)

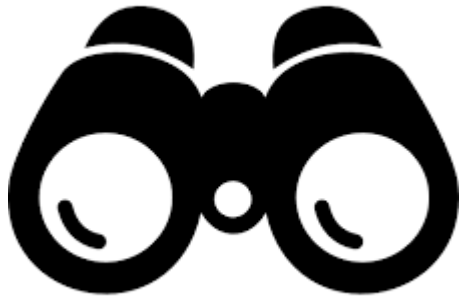
- The RMB approach was launched in 2022 to directly align with WorkSafeBC's 2022-2024 strategic priority to prevent workplace injury, disease and death by engaging employers and workers in workplace health and safety
- **Flowing from Existing OHSR 23.5**
- Step 1) Identify Worksite Hazards/ discussion with Supervisors and Workers- Assess the risks (classify the risks)
- Step 2) Identify/Implementation of Control measures based upon the hierarchy of controls
- Step 3) Communicate-does everyone know what you are doing and why?
- Step 4) Monitor and update as needed



Inspectional Approach

- Inspections are not exclusively consultative, educational or enforcement in nature, rather a combination of the three.
- Orders are to be written where there are violations found related to the elements of the risk management basics inspections
- Additional enforcement tools can be utilized where appropriate (e.g. citation warnings, citations, Warning Letter's or Sanctions etc.)





Compliance Observations

Field Observations

Chemical Exposures 5.14 [Supplier SDS](#) 5.16 [Availability of an SDS](#) 5.57 [Designated substances](#)

- Designated substances are not being recognized and managed
- SDS's are not available and not up to date
- ECP's are not present or maintained
- Emergency washing facilities are not present or close enough to the hazard
- Lack of respiratory protection relative to the hazards

Noise exposure 7.8 [Hearing tests](#) 7.5 [Noise control and hearing conservation program](#)

- Hearing conservation plans lack content [Sound Advice: A Guide to Hearing Conservation Programs | WorkSafeBC](#)
- Hearing tests are not being completed
- Signage is not in place in general areas

Confined Space 9.5 [Confined space entry program](#) 9.9 [Hazard assessment](#) 9.10 [Procedures](#)

- Lack of confined space inventory
- Incomplete hazard assessment (hazard classes not hazards and not done by work activities)
- Incomplete procedures to control identified hazards



Field Observations

Musculoskeletal Injuries (MSI) [4.47 Risk identification](#) [4.48 Risk assessment](#) [4.49 Risk factors](#) [4.50 Risk control](#)

[4.51 Education and training](#) [4.52 Evaluation](#)

- Recognition and understanding of the hazard
- Risk assessment not completed or lacking detail [Preventing Musculoskeletal Injury \(MSI\) | WorkSafeBC](#)

Control of Ignition Sources [5.27 Ignition sources](#)

- Lack of verification (effectiveness)
- New or replacement equipment not be given the same consideration as original equipment
- Understanding of grounding and bonding and the difference
- Hazard recognition

First Aid [3.17 First aid procedures](#) [3.16 Basic requirements](#) [3.20 Multiple employer workplaces](#)

- Written first aid procedures missing or incomplete.
- Written procedures not posted.
- Emergency Transport Vehicles are still being removed from service for not being attached to the chassis and as per manufacturers instructions



Field Observations

Traffic Control

[18.3 Standards for traffic control](#) [18.3.1 Risk assessment](#) [18.3.2 Traffic control plan](#) [18.3.3 Order of control measures](#)

- Not conducting proper risk assessment and resulting procedures
- Not having qualified people
- Not following the Traffic Management Manual [2020 Traffic Management Manual for Work on Roadways - Province of British Columbia](#)
- Not following order of controls



Excavations

[20.78 Work standards](#) [20.81 Sloping and shoring requirements](#)

- Not having engineering instructions when improvements are adjacent, slope or vibration, hydrostatic pressure and over 20 ft deep.
- Sloping and improper using of shoring/shoring boxes
- Spoil piles and equipment too close

General Duty

- Lack of contractor oversight (prime contractor) [24 Coordination at multiple-employer workplaces](#)
- Inadequate level of supervision [21 General duties of employers](#)

Field Observations

Cranes and MEWP/AWP's



- Officers are still finding cranes and self-propelled work platforms the do not have proper annual inspections and certifications [14.71 Annual inspection](#) [13.23 Testing](#) [G13.23\(1\) Inspection and certification of elevating work platforms](#)
- Workers and end employers are not verifying the inspection documents are present prior to operation (MEWP/AWP) [13.22 Maintenance of records](#)
- Operators of services trucks with pickers missing proper operator certification [14.34.1 Operator certification](#)

Load Handling Attachments

- Attachments such as pipe forks, lifting jibs etc have not been approved or certified [16.30 Load handling attachments](#)



Field Observations

Temporary Flow Piping

- Some producers and service providers are using remote valves at the choke manifold that maintain flow other are using remote valves that stop flow [23.69.3 Flow piping systems - other requirements](#)
- Some producers are using a common flare line to reduce piping and hazards associated with set-up and de-mob.
- Fewer concerns are observed with restraint systems and anchors. [23.69.2 Flow piping systems - restraint systems](#)
- The hazard area of the piping systems are not being signed.
- Leak testing not being performed in accordance with section 23.12. [23.12 Pipelines, fittings and valves](#)





Recent Incidents

Incidents

Significant incidents of fire/explosions in the last year.

- Management of change
- Lack of controls
- Start up procedures/standards
- Recognition of the hazards

Numerous Falls (from elevation and from same level)

- falls from mobile equipment such as truck decks and tanks truck ladders



Incidents

Numerous Struck by Objects

Dropped objects

Equipment failures

Lack of procedures and task assessment

ATV (1 incident this year vs 4 the previous year)





Industry Questions

Industry Questions

First Aid- On Nov 1/25 the amended regulation enacted. [First aid requirements - WorkSafeBC](#)



- **Important Changes** [Changes to occupational first aid requirements: Frequently asked questions | WorkSafeBC](#)
 - Accessible and remote workplace classification replaces remote
 - Written first aid assessment [First aid assessment | WorkSafeBC](#)
 - Step 1 – minimum levels [Schedule 3-A Minimum levels of first aid](#)
 - Step 2 – additional requirements section 3.16 (1) (a) and (b) 3.16 [Basic requirements](#)
 - Worker involvement
 - Minimum of annual first aid drills
 - 2 additional written procedure requirements (barriers, and location of and method of transport)
 - Transportation vehicles need to provide enough room to treat injured persons

A screenshot of a "FIRST AID ASSESSMENT WORKSHEET" form. The form is titled "FIRST AID ASSESSMENT WORKSHEET" and includes sections for "Company Name", "Company Location", "ASSESSMENT", "ASSESSMENT RESULTS", "Supplies, Equipment and Facilities Provided", "Level of First Aid Assessment", "Transportation Required", "Assessment Date", "Change in Business Operation", "Assessor Name", and "Signature". The form is partially filled out with handwritten information.

Industry Questions

First Aid-

- Transportation vehicles needs to provide enough room to treat injured persons [Schedule 3-A Minimum levels of first aid section 6](#)
- Air transportation needs to be considered if it will save 30 minutes or more in total transportation time [G3.17.1 Air transportation](#)
- First aid equipment is not meant to be replaced to meet the new requirements , only augmented
- Videos available to help with the new requirements [New videos: Workplace first aid requirements | WorkSafeBC](#)
- Every Minute Counts: [Every Minute Counts: Emergency Response Planning in Forestry \(Video Discussion Guide\) | WorkSafeBC](#)



FIRST AID ASSESSMENT WORKSHEET	
Company Name	
Company Location	
1a Assigned Initial Risking Assessment (See GAO, 3rd Assessment Level)	ASSESSMENT Low Moderate High
1b Job Functions, Work Processes and Tools	
1c Typical of Industry? Yes / No	
1d Particular Types of Injuries	
2 Typical of Industry? Yes / No	
2a Rating Adjustment (According to 3rd Assessment Level)	Low Moderate High
2b Backup Travel Time to Hospital	Greater than 30 min 30 min or Less
2c Total Number of Workers per Shift (Include those who work in a separate area)	
2d Access to Health Medical Aid	
ASSESSMENT RESULTS (According to Schedule 3A) (If there are no more areas to be assessed)	
Supplies, Equipment and Facilities Provided	
Level of First Aid Assistance Transportation Required	
Assessment Date	ASSESSMENT VALIDATION
Change in Business Operation	
Questions Considered (over and over)	
Assessor Name	
Assessor Signature	

Industry Questions

First Aid- continued

- The guidelines have transitioned from preliminary to draft on Nov. 1, 2024. The draft comment period closed on Dec. 30, 2024
- Challenges:
 - Training capacity
 - Canadian Red Cross tickets for Intermediate level course will be accepted as of July 2, 2024 website has not been updated yet.
- Field Implementation:
 - Written first aid assessments being missed or incomplete
 - Written first aid procedures not completed



Industry Questions

Fire Fighting

- S-100 (2 day) and S-100A (1 day) are the accepted standard for training workers who will be required to fight forest fires [Wildfire legislation and regulations - Province of British Columbia](#)
- Industrial users have the requirement to fight and prevent fires placed on them by the Wildfire Act and the Wildfire Regulation.
- S-185 has been evaluated by some employer's however the prerequisite is S-100.
- Employers may request the Certification Services Manager to review alternate training for acceptance. [Certification Services – WorkSafeBC](#)

G26.3.1(1)(a) [Acceptable standard for training](#)



Industry Questions

Noise Control and Hearing Conservation

- Employers are required to have a program when they have a risk of noise exposure
- The employer must measure the noise and record that
- Employers need to evaluate and implement controls where practicable
- Provide various types and combinations of hearing protection
- Educate and train their workers (over protection is commonly missed)
- Employer must test workers annually
- Post noise hazard areas not just the building or item rather the area





What's New

Emergency Response

Effective February 3, 2025 BOD Decision — 2024/05/29-05 — Amendments to the Occupational Health and Safety Regulation — Part 5, Emergency Planning I

WorkSafeBC

- Added involvement of workers
- Increased requirement for items to be in writing
- Increased requirement for written records and retention
- More detail to provide clarity of requirements

Mobile Equipment Seat Belts

- Effective March 31, 2025 BOD Decision — 2024/11/20-05 — Amendments to the Occupational Health and Safety Regulation — Part 16, Mobile Equipment, Three-Point Seat Belts | WorkSafeBC
- ROPS equipped prime movers must have minimum 3 pt seat belts on equipment manufacturers after March 31, 2027
- Fire fighting, steep slope cleaning, haul trucks, forestry

Washrooms on Construction Projects

- Effective October 1, 2024 [Washroom facilities at construction sites update | WorkSafeBC](#)
- “Specified construction” is a site that will have 25 or more at any time during the project
- Where this is not practicable chemical toilets and handwashing facilities must be provided [G20.3.2 Washroom facilities required at specified construction sites](#)
- The duty applies to both employer and prime contractors, but the prime contractor has the overarching obligation to ensure practicability
- Must be kept clean/sanitary
- Records of cleaning must be retained

Proposed Amendments

- **General Risk Management** [Consultation on proposed amendments to Part 3 of the Occupational Health and Safety Regulation | WorkSafeBC](#)
 - Part 3 will now have section like section 23.5 of the oil and gas portion of the regulations.
- **Psychological Safety** [2024–2026 Occupational Health and Safety Regulation Workplan | WorkSafeBC](#) [Planned inspectional initiative — Psychological Health & Safety — Quarterly updates 2024 | WorkSafeBC](#)
 - This is a new legislation and supports the claims policy to accept these types of worker injuries.
- **Violence and to Bullying and Harassment** [Consultation on proposed amendments to Part 4 of the Occupational Health and Safety Regulation - WorkSafeBC](#)
 - No new requirements. This moves the policy for violence into the regulation

Common Questions

- Employers Can sign-up to be notified of proposed changes [Regulation & policy updates – WorkSafeBC](#)
- How to apply for Variances and Acceptances [Variances to and acceptances under the OHS Regulation – WorkSafeBC](#)
 - The request will be considered if an employer is unable to comply with a regulatory requirement.
 - The request needs to meet one of two criteria:
 - 1- Provides equal or greater protection
 - 2- Has substantially the same purpose and effect

Questions?

