



Energy Safety Conference Regulators Forum

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May 1, 2024



Agenda

- Stats
- Update on the WorkSafeBC Inspection focus for 2024
- Field and compliance issues
- What's new
- Questions

May 1, 2024

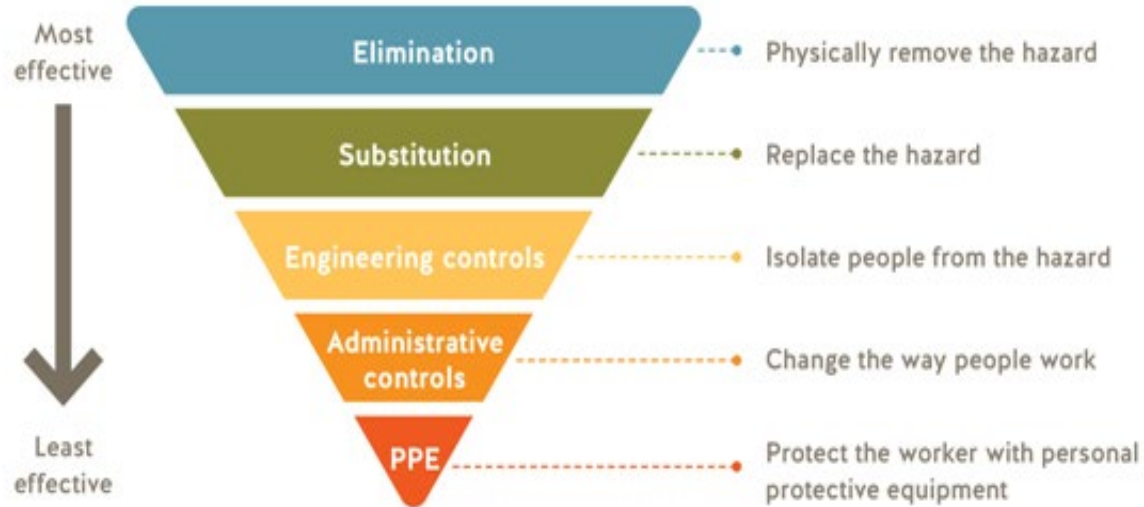
Last year introduced (Risk Management Basics) RMB

- 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

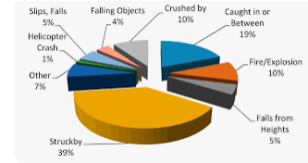


RMB Goals to move up the Pyramid to at least Engineering controls

Hierarchy of controls



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



Time loss claims

Year	All BC # Time-Loss Claims	Oil & Gas # Time-Loss Claims	All BC # Person Years	Oil & Gas # Person Years	All BC Injury Rate	Oil & Gas Injury Rate
2018	53,744	49	2,369,820	12,626	2.3	0.4
2019	55,080	58	2,430,221	14,390	2.3	0.4
2020	49,786	67	2,253,896	15,129	2.2	0.4
2021	55,647	100	2,405,002	20,182	2.3	0.5
2022	62,562	164	2,525,532	31,040	2.5	0.5
2023	41,894	75			***	***
Totals	318,713	513	11,984,471	93,367		

Serious injury claims

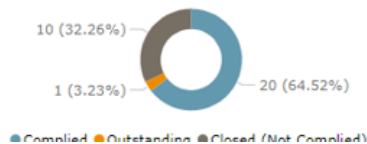
Year	All BC # Serious Injury Claims	Oil & Gas Serious Injury Claims	All BC % Serious Injury	Oil & Gas % Serious Injury	All BC Serious Injury Rate	Oil & Gas Serious Injury Rate
2018	7,054	18	13 %	37 %	0.3	0.1
2019	7,294	17	13 %	29 %	0.3	0.1
2020	6,699	22	13 %	33 %	0.3	0.1
2021	7,593	25	14 %	25 %	0.3	0.1
2022	7,510	45	12 %	27 %	0.3	0.1
2023	3,406	11	8 %	15 %	***	***
Totals	39,556	138				

Oil and Gas Inspections 2023

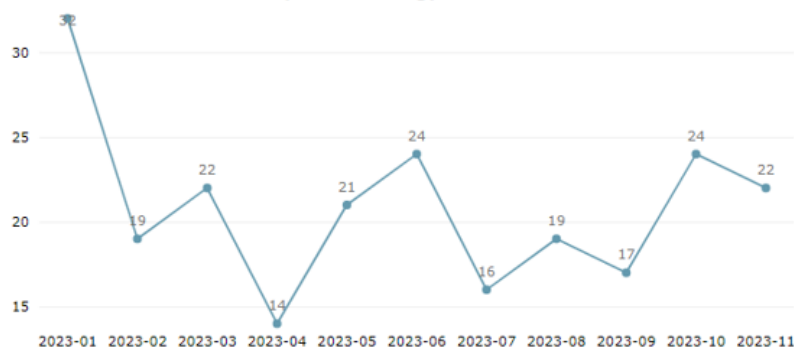
Key Project Measures

Inspection Reports	296
Employer Locations Inspected	143
Annual Inspection Target	211
Inspection Strategy Focus Count	230
Initiating Inspection Reports	230
Inspections with Potential for HRV Order(s)	22
Follow-up Inspection Reports	66
Compliance Agreements	
Orders Cited	237
Orders with Potential for HRV Regulation	13.1%
Orders to Stop Use	15
Orders to Stop Work	4
Orders to Stop Operations	
Temporary Cessation of Work	2
Citation Warnings	
Citation Imposed	
Warning Letters Sent	6
Penalties Imposed	5
Consultation Reports	22
Education Reports	
Notice of Incidents	
In Progress Sanctions	

Orders with Potential High Risk Violation



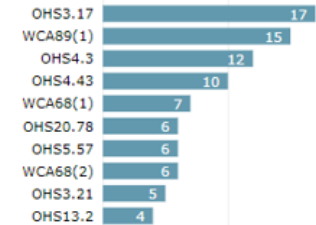
Inspection Strategy Focus Count



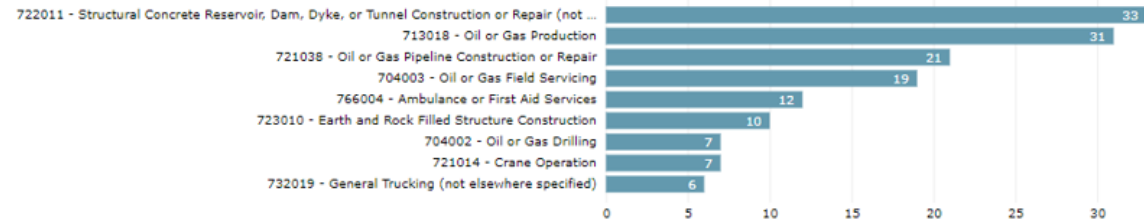
Regulation Level

Regulations - Level 2

Top 10 Regulations - Level 2



Top 10 CU Inspection Activities



Note: When viewing measures "By Project", the measures are calculated by project per document and will count the same document multiple times if there are multiple project codes specified on the document. Also, if a document has multiple projects belonging to the same project grouping, it will count each project within the project grouping, i.e. if an Inspection Report has 3 projects all belonging to the Agriculture project grouping, that Inspection Report will count as 3 when the 'Project Grouping' filter is set to "Agriculture" and the 'Project Name' filter is set to "All".

Oil and Gas 2021-2024 Initiative Focus

Challenge-The Oil and Gas Initiative is designed to focus on areas of concern within the oil and gas sector that are generating serious injury claims or potential catastrophic risk

Primary Goal-Prevent serious, fatal and repetitive injuries in the following areas: (continued focus upon the reduction of time loss injuries, which will include a **strong emphasis upon MSI injury reduction at all sites**)

- 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, Kinetic energy)
- Pressure management/Control** which includes flow piping systems (IRP 29 in draft)
- Manual free falling (**Supervision to the level of Risk**) **Injury rate for Hand Fallers?**
- Pipeline construction (mechanisms of injury)
- Occupational exposures**
- Process Safety** continue with engagements in Mid Stream process and LNG



Occupational Disease – Exposure Control Plans (ECP's)

-**Occupational Disease** continues to expand in impacts and scope (Occupational Disease fatalities continue to eclipse traumatic injury claims each year)-**As of December 2023=175 fatalities- 82/46% traumatic injury and 93/53% Disease**

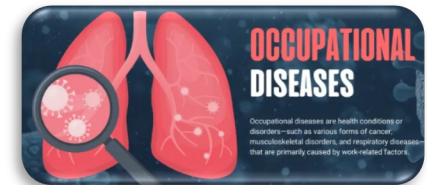
-**Areas for monitoring and ECP development:** Silica, Lead, **Solar**, Hydrocarbon based drilling fluids, Diesel Exhaust, Benzene, Mercury, Hearing Loss, NORMS, H2S and all designated substances require ECP's (**sensitizers like SPC 888 for pipe coating**)

-**Welders & welders helpers need to be wearing appropriate respiratory protection (selection criteria)**

-**MSI risk assessments and risk control OHSR 4.47-53**

(Part 5.48-5.59 for an outline of what is required around site surveys, monitor and development of ECP's)

-**What's new and emerging- Silica exposure claims rising, hearing loss bubble**



Recent Field Issues

- **Kinetic Energy**-wing on a drilling rig sub falls and strikes work (follow manufactures instructions for support during transport).
- **Delay** in transporting workers to medical aid
- **Emergency** washing facilities
- **Fluid vapour** density when cleaning tanks with a vac truck/fire explosion
- **Manufacturers** manual or **Engineering** instructions for the equipment



What is changing in 2024 and beyond?

Projected timelines only		
Asbestos (Bill 5) Approved effective January 1 st 2024	Reducing the Risk Posed by Toxic Process Gases Pre-Consult February 2024	Wildland Firefighters Pre-consult Q2 2024
Hazardous Drugs Approved effective December 1 st 2023	Emergency Procedures and Exposure Monitoring Public hearing January 10 th 2024	Lockout Pre-Consult Q4
Violence and Harassment Public consultation closed November 14 th	Tower Crane Notice of Project Public hearing January 10 th 2024	Diving Pre-consult Q4 2024
Three-point Seatbelts Public consult closed February 2 nd 2024	Washrooms in construction Public hearing August 2024	Confined Spaces Pre-consult Q4 2024
Risk management public-consult closed February 9 th 2024	Combustible Dust Public hearing May 2024	Specifications for Guardrails and Handrails Pre-consult Q4 2024
Worker Participation Pre-consult March 1 st 2024	Equipment Inspection Public Consultation Q2 2024	Minimum Levels of First Aid Approved effective Nov 1, 2024
Automotive Lifts Pre-consult November 28 th 2023	Safeguards Pre-Consult Q4	Zone Devices in Tower Cranes Implemented March 1 st 2023
		Inconsistent Crane Misadventure Implemented March 1 st 2023

Amendments to Part 3 of the OHSR

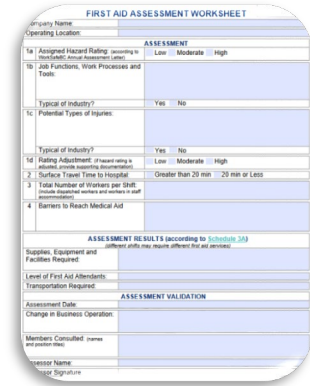
- Amendments to regulatory requirements relating to the provision of occupational first aid were **approved in April 2023**.
- These changes will take effect **November 1, 2024**, to give employers time for implementation, arrange required training, and obtain equipment as required.



Key changes

- Employers' duty:

- Provide at least the supplies, facilities, and first aid attendants required by *Schedule 3-A*, or at a higher level as dictated by risk assessment.
- In consultation with workers, perform a written risk assessment for each workplace to determine any additional equipment, supplies, facilities, attendants, and services necessary to ensure injured workers can **be promptly provided first aid and transported to medical treatment**.



The image shows a 'FIRST AID ASSESSMENT WORKSHEET' form. It includes sections for 'PROPERTY NAME', 'OPERATING LOCATION', 'ASSESSMENT' (with hazard rating and job functions), 'ASSESSMENT RESULTS' (listing supplies, facilities, and attendants), and 'ASSESSMENT VALIDATION' (with date and signature lines).

- Some additional considerations:

- Whether the workplace is **“remote”** — meaning it is more than 30 minutes surface travel time from the **nearest ambulance station**.
- Whether the workplace is **“less accessible”** — meaning it **cannot be** safely accessed by ambulance, or it includes one or more hazardous **work areas that cannot be** safely accessed by ambulance personnel.

Emergency transportation and barriers to first aid

- In workplaces where emergency transportation is required under *Schedule 3-A*, written first aid procedures will need to identify how workers will be accessed and moved if there are **barriers to first aid**.
 - **Barriers to first aid** include anything that could potentially limit or delay a worker's access to first aid and transportations, including physical obstacles, hazards, or accessibility challenges that the FA attendant may encounter
 - any **specialized equipment and training** for the crew to overcome these barriers will need to be identified.
- **Drills** will now be required annually or whenever first aid procedures change, to ensure these workplace specific procedures are effective.



Guidelines and resources

- A guideline to Part 3 reflecting the changes will be published in the first part of 2024.
- Additional resources, including guidance on conducting first aid assessments and developing written procedures are under development.
- Details of the upcoming changes, including explanatory notes, are available on our website:
 - [Part 3 – Minimum Levels of First Aid.](#)



Additional Areas to Consider



-Mental Health Safety-one of the fastest growing areas of Occupational Health concerns and issues, what are you doing to support your workers? WSBC has initiated the development of a Workplace Mental Health Team

-Wildfire Smoke Health Issues and Emergency response planning



Questions?

