

Chapter 12: Record and Stats

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Purpose

The purpose of this chapter is to provide a standard for calculating accident frequency and injury severity.

General

All records and statistics are kept in separate file folders or filed electronically at main office.

Objectives

The objectives are to:

- Provide a standard format to comparison of injury or accident statistics.

Accident Records and Statistics

Injury Recording Standards

- Injuries will be classified on the Z16.4 American National Standards.
- Classification of injury types.
 - *Total Case Rate* = All recordable cases X 200'00 divided by man hours
 - *Lost time frequency* = No. of lost time incidents x 200,000 man hours worked, divided by man hours worked.
 - *Frequency Rate* = No. lost time cases X 1'000'000 divided by man hours worked.
 - *Severity Rate* will be based upon days lost x, 1000 divided by man hours worked.
 - *Safety Index* = frequency Rate X Severity Rate

Summary of incidents

- To be compiled monthly and forwarded to CRB safety manager.

Records

- A record of all vehicle accidents, property damage and damage to utilities shall be recorded on forms provided and maintained. To be compiled monthly and forwarded to CRB safety Manager.
- Documentation is maintained for a minimum of three year or longer, if specified by legislation. Retention of record are maintained in electronic or hard copies at the main office.

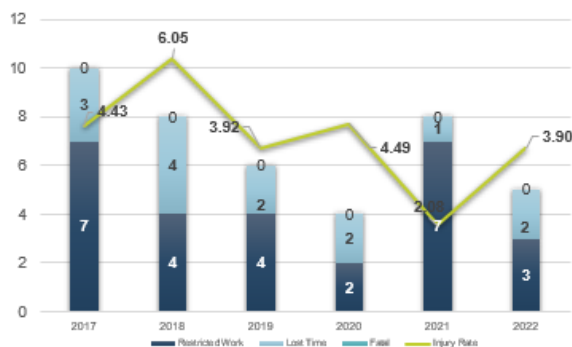
Stats

- Annual reports are compiled and shared with Share Holders. These reports will contain:
 - Total hours
 - Fatal Accidents
 - Total Cases
 - Lost Time Cases
 - Frequency Rate
 - Severity Rate
 - Safety Index
 - Hazard Analysis/Prevention priorities
 - Leading Safety Indicators
 - Corporate Fleet Safety

- Trackers for incidents and near miss are compiled on an ongoing basis...
- These trackers monitor injury type (Body Part) and incident type and are reviewed by JWHSC at monthly meetings. Annual Review of these trackers are required to help determine control to be placed in the future to help prevent reoccurrence. Month reports of Near Misses are sent to foreman.
- Monthly Safety Performance Reports are sent to superintendent outlining their Foreman's safety performance. Superintendents are responsible for following up with foreman on areas of improvement.

Annual Reporting Slide

PERFORMANCE



PERFORMANCE	2021	2022
Total Hours	481,465	512,518
Restricted Work Cases	7	3
Lost Time Cases	1	2
Lost Time Days	6	102
Frequency Rate	2.08	3.90
Severity Rate	0.01	0.20
Safety Index	0.03	0.78
COLAS CANADA RATES		
Frequency Rate	3.72	1.63
Severity Rate	0.08	0.06
Safety Index	0.28	0.10

HAZARD ANALYSIS/PREVENTION PRIORITIES

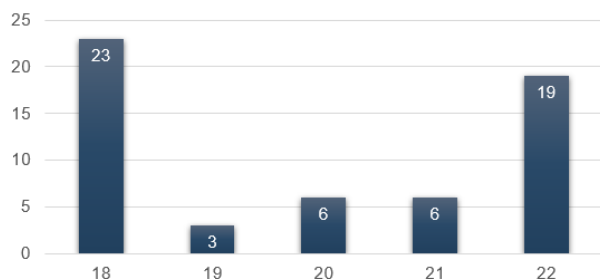
Critical Incidents	Recordable Injuries
1. 3 rd party at fault/involvement	1. Finger/Hand injuries (pinch points)
2. Backing vehicle/equipment	2. Ankles – Walking/Working Surfaces
3. Human Error	3. Back - Sprain
4. Equipment Failures	4. Elbows – progressive injuries
5. Roll Over	5. Whole body – collision impacts

LEADING INDICATORS

	2022
Near Misses & Rate	64 / 1.25
Toolbox Talks	356
Hazard Assessments	4174
Safety Inspections	528
Safety Meetings	618

FLEET SAFETY

Historical MVA Count



Performance

	2021	2022
Fleet Size	469	472
Fleet Accidents	6	19
Total Incurred	\$106'000	\$185'100
Avg. Total Incurred	\$17'667	\$9'742
Preventable %	83	74

2022 Recordable MVAs

Description	Count	Total Incurred
Intersection	1	\$0
Cut-in-out-sideswipe	7	\$14'500
Hit pedestrian/cyclist/other	0	\$0
Hit claimant in rear	0	\$0
Backing	7	\$14'100
Vehicle upset/overtuned	1	\$150'000
Snowplow strike	2	\$6'500
All Other	1	\$0
Totals:	0	\$185'100

Road Safety Index

