Task Title: MiningSafetyPart2_EA_A2.2_C4.1



Task Title: Mining Safety Part 2

OALCF Cover Sheet - Practitioner Copy

Learner Name:		
Date Started:		
Date Completed:		
Successful Completion: Goal Path: Secondary School	Employment Post Secondary	Apprenticeship Independence

Task Description:

Read a health and safety poster to understand Mining safety in workplace operations.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Interpret documents/A2.2
- Understand and Use Numbers/Manage data/C4.1

Materials Required:

• Pen/pencil and/or digital device

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Learner Information

The mining industry is made up of various occupations which include driving different pieces of equipment on and off the jobsite. In all occupations there is a focus on safety on the job. Scan the **Workplace Health and Safety Snapshot for Ontario Mining Sector in 2022.**

Workplace Health and Safety Snapshot for Ontario Mining Sector in 2022



2 4 Injury Disease' Work-related fatalities

1,317

299 Lost-time Injuries

5.51 Total Injury rate per 100 workers +8.64%
Change In Injury rate from

Events resulting in lost-time injury or illness

injury or illness severe enough to require one or more days lost from work



Exposures
(contact with temperature
extremes; exposure to
caustic, noxious, or allergenic
substances, radiation,
traumatic or stressful event,
air pressure change)



2//o Bodily reaction and exertion

(overexertion; repetitive motion; bodily reactions and exertion)



ontact with objects or equipment

(struck by or against object; caught in, crushed, or compressed by equipment, objects; rubbed or abraded, by friction or pressure)



Falls (falls to same or lower level)



Other (highway and nonhighway accidents; pedestrian struck by vehicle, mobile equipment; railway accident)

Most common lost-time injuries

130

Exposures, from contact with hot objects or substances; exposure to caustic, noxious, or allergenic substances, environmental heat; ingestion or inhalation of substance; witnessing or hearing a traumatic or stressful event, emotional reaction; contact with skin, eyes, exposed tissue; exposure to radiation, air pressure change.

80

Bodily reaction and exertion, includes injuries resulting from overexertion in lifting, pulling, pushing, carrying, or turning objects; repetitive motion, bending, climbing, crawling, reaching, twisting, slipping, tripping; and slip, trip, twist, step on something without a fall; stepping in hole; repetitive movement, bodily reaction and conditions.

39

Contact with objects and equipment, from being struck by or against dislodged, falling, flying, swinging, slipping, or stationary object, struck by or slammed in swinging door, caught in, compressed by, or jarred by running equipment or machinery; rubbed or abraded by friction, pressure, foreign matter, vibration.

Top 3 Occupational Diseases

Based on approved WSIB claims for healthcare, being off work, loss of wages, or permanent disability

154

Hearing loss: noise effects on inner ear

128

Diseases of the respiratory system: viral infection, food poisoning, viral conjunctivitis (pink eye) 29

Diseases of the circulatory system: other peripheral vascular diseases

*Disease fatality claims with a fatality effective date of 2022 Source; Workplace Safety and Insurance Board Enterprise Information Warehouse as of March 31, 2023.

NAICS codes: 212392, 212397, 10200, 212220, 212232, 212233, 212299, 212314, 212315, 212316, 212317, 212326, 212393, 212394, 212396, 212398, 213117, 213119. WSN June 2023.



For more detailed statistics and trends workplacesafetynorth.ca/resources/mining-statistics

Work Sheet

Task 1: How many full-time employees are there in the Ontario Mining Sector?

Answer:
Task 2: What are the 3 most common lost time injuries?
Answer:
Task 3: What is considered a lost time injury?
Answer:
Task 4: List two ways an exposure injury can occur.
Tack E. Calculate the total number of Ten 2 Occupational Diseases
Task 5: Calculate the total number of Top 3 Occupational Diseases.
Task 6: What is the change in injury rate from the previous year?

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Answer Sheet

Task 1: How many Full-time employees are there in the Ontario Mining Sector?

Answer: 23,894

Task 2: What are the 3 most common lost time injuries?

Answer

- Exposures
- Bodily reaction and exertion
- Contact with objects or equipment

Task 3: What is considered a lost time injury?

Answer: Injury or illness severe enough to require one or more days lost from work

Task 4: List two ways an exposure injury can occur.

Answer: Any two of the following:

- Contact with temperature extremes
- Exposure to caustic, noxious or allergenic substances
- Radiation
- Traumatic or stressful event
- Air pressure change

Task 5: Calculate the total number of Top 3 Occupational Diseases.

Answer: 154 + 128 + 29 = 311

Task 6: What is the change in injury rate from the previous year?

Answer: +8.64%

Performance Descriptors

Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
A2.2	Performs limited searches using or two search criteria			
A2.2	Extracts information from tables and forms			
A2.2	Uses layout to locate information			
C4.1	Adds, subtracts, multiplies and divides whole numbers and decimals			
C4.1	Begins to interpret integers			
This task: Was successfully completed Needs to be tried again Learner Comments:				
Instructo	or (print):		Learner (prin	t):