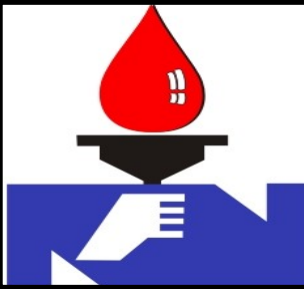


# NATIONAL REFINERY LIMITED



## HSE NEWS LETTER

March - 2023

### HSE Newsletter Contents:

Pg. #

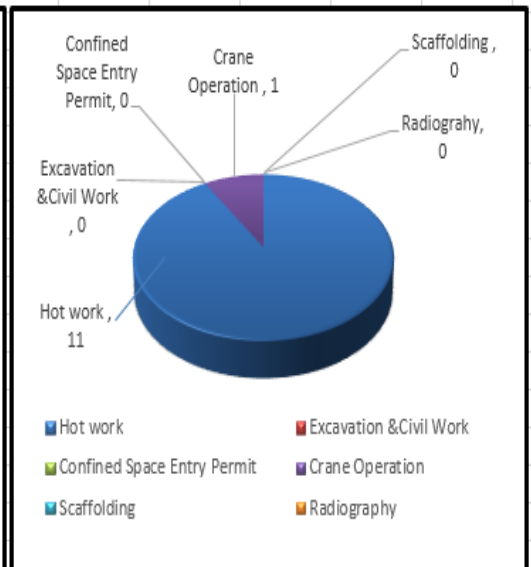
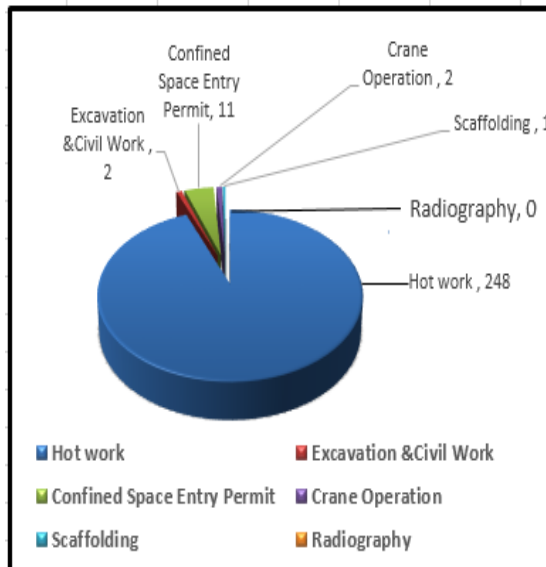
Permit to Work	1
Safe Man Hours	1
Safety Training Session at HRDC	2
Fire Drills by Fire Department	2
Incident / Ill health & Loss Time Injury	3
Environmental Monitoring Conducted By HSE Department	3
Article: Electrical Safety	4

Question or concerns regarding this news letter may be directed to:

**Manager HSE**  
National Refinery Limited (NRL), 7-B,  
Korangi Industrial Zone,  
Karachi-74900,  
Pakistan.  
Email:  
[mgrhse@nrlpak.com](mailto:mgrhse@nrlpak.com)

## Permit to Work System at NRL Korangi & K.T

Permit is regarded as a written agreement between the person authorizing the work and the person receiving the permit to work. Following Permit to Work were issued in the Month of **March 2023** at Korangi & K.T.



## Safe Man Hours

NRL Safety Board is updated by second week of every month. Safety Board shows the number of Safe Man-hours worked by NRL MPT and Non MPT Staff. By the Grace of All Mighty Allah and joint efforts by all of us, we have achieved **2.371658.171 millions** safe man-hours without Lost Time Injury (LTI) as on **31<sup>st</sup> March 2023**. Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.

**2.37 Million Safe  
man hours till  
31<sup>st</sup> March 2023**



## SAFETY TRAINING SESSIONS AT HRDC

Safety Training Sessions conducted by **HSE Department** at **HRDC** on various topics like:

- ◆ HSE awareness inside refinery
- ◆ Advantages of housekeeping
- ◆ Process safety awareness
- ◆ Hazard Identification and risk assessment
- ◆ Incident Investigation
- ◆ Legal requirements related to HSE

Workplace safety training is a process that aims to provide workforce with knowledge and skills to perform work in a way that is safe for the person itself and other co-workers.



## Fire Drills Conducted by Fire Department

### ◆ Fire Drill:

Every Thursday at 1000 hrs and Wednesday at 1530 hrs , planned fire drill conduct by the fire protection department at Korangi Refinery and Keamari terminal respectively, to check the preparedness or effectiveness of fire-fighting staff and firefighting equipment at the time of emergency. Also training regarding usage of fire fighting equipment is delivered to participant from different department in fire drill by the fire protection department.



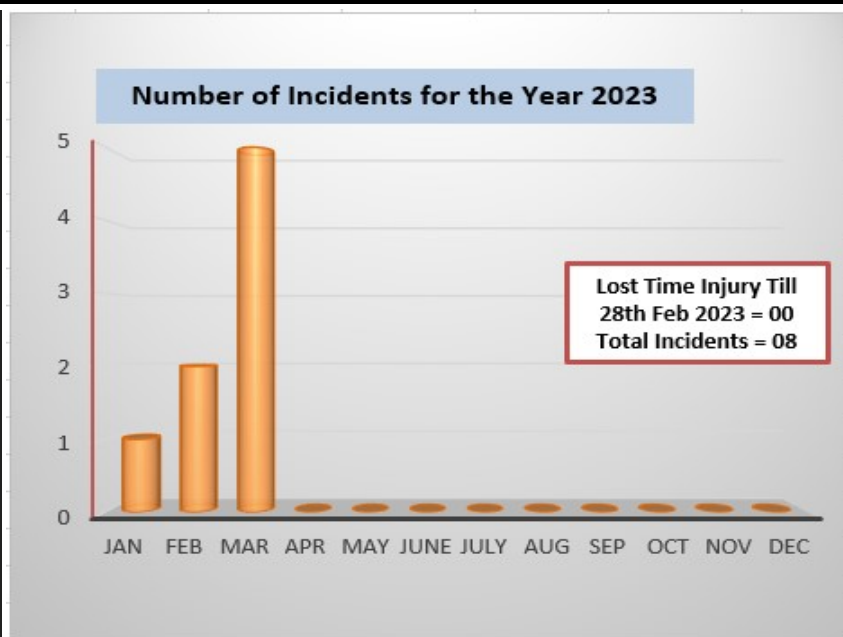


# OUR AIM: NO ACCIDENTS



## INCIDENT / ILL HEALTH AND LOSS TIME INJURY

<b>Incident</b>	An incident is an unplanned, undesired event that adversely affects completion of a task.
<b>Near miss</b>	A near miss describes incident where no property was damaged and no personal injury sustained, but when given a slight shift in time or position, damage and / or injury easily could have occurred.
<b>Accident</b>	An accident is an undesired event that results in personal injury, property damage and equipment damage.
<b>Loss Time injury (LTI)</b>	If any NRL employee on duty had on the job accident, which render the employee medically unfit to resume of his duty next 24 hours is considered to be lost time injury (LTI).



## INTERNAL / EXTERNAL MONITORING CONDUCTED BY HSE DEPARTEMENT



**Ambient Air Monitoring**



**Drinking Water Sampling**



**Stack Emission Testing**



**Fugitive Emission Testing**



**Noise Monitoring in Plant**



**Vehicle Emission Monitoring**

# **Safety Article: Electrical Safety**

## **ELECTRICAL SAFETY :**

Electrically powered equipment can pose a significant hazard to workers, particularly when mishandled or not maintained. Many electrical devices have high voltage or high power requirements, carrying even more risk.

## **ELECTRICAL HAZARDS:**

### **◆ ELECTRICAL SHOCK HAZARDS:**

Electrical shock occurs when the body becomes part of the electric circuit, either when an individual comes in contact with both wires of an electrical circuit, one wire of an energized circuit and the ground, or a metallic part that has become energized by contact with an electrical conductor.



## **ARC FLASH:**

- A hazardous arc flash can occur in any electrical device, regardless of voltage, in which the energy is high enough to sustain an arc. Potential places where this can happen include:

- |  |                                      |
|--|--------------------------------------|
| • 1) Panel boards and switchboards             | 5) Transformers                      |
| • 2) Motor control centers                     | 6) Motor starters and drive cabinets |
| • 3) Metal clad switch gear                    | 7) Fused disconnects                 |
| • 4) Any place that can have equipment failure |                                      |



## **ELECTRICAL SAFETY BASICS:**

- Make sure electrical equipment is properly connected, grounded and in good working order.
- Extension cords may not be used as permanent wiring and should be removed after temporary use for an activity or event.
- High amperage equipment such as space heaters, portable air conditioners and other equipment must be plugged directly into permanent wall receptacles.
- Do not access, use or alter any building's electrical service, including circuit breaker panels, unless you are specifically qualified and authorized to do so.
- Use and maintain wiring, tools and equipment correctly. Keep everything oil and dust free.

