NATIONAL REFINERY LIMITED

HSE NEWS LETTER — July -2023

HSE Newsletter Contents:

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

Manager HSE
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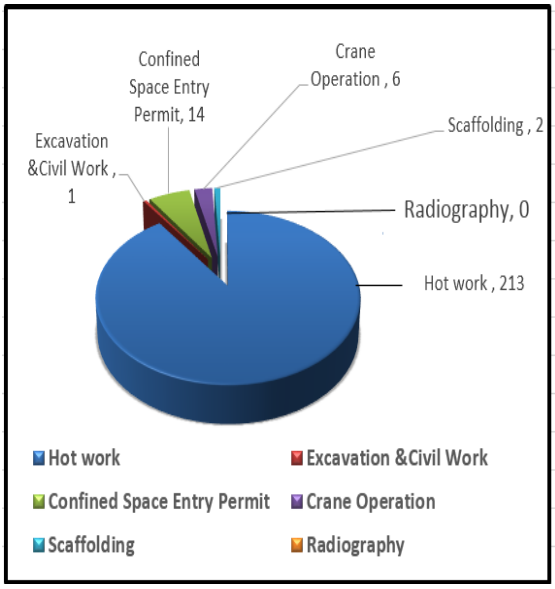
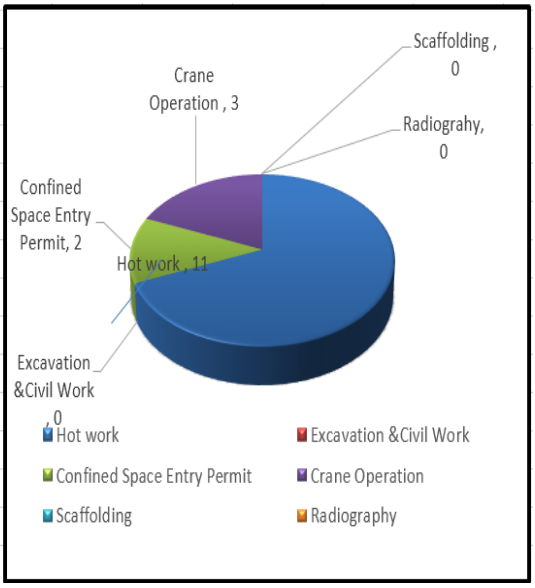
Permit to Work System at NRL Korangi & K.T

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 **July 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 **millions** safe man-hours without Lost Time Injury (LTI) as on **31st July 2023** **3.089070911** Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.

SAFETY TRAINING SESSIONS AT HRDC

Class room training:

Training on "**Hazards Identification and Risk Assessment**" conducted by **HSE Department** at **HRDC**.

Safety inductions can be a major resource for helping prevent an injury or accident from happening in the workplace. It is the direct tool for bringing awareness of safety issues and procedures to all types of workers (from regular employees, contractors or even visitors). An effective safety induction can also ensure not just safety awareness affecting the person completing a job task or role but also ensure the safety of their coworkers too. It can set out important processes to follow , such as how to report an incident, safety procedures for working at heights, confined spaces, access control, restricted areas

Fire Drills Conducted by Fire Department

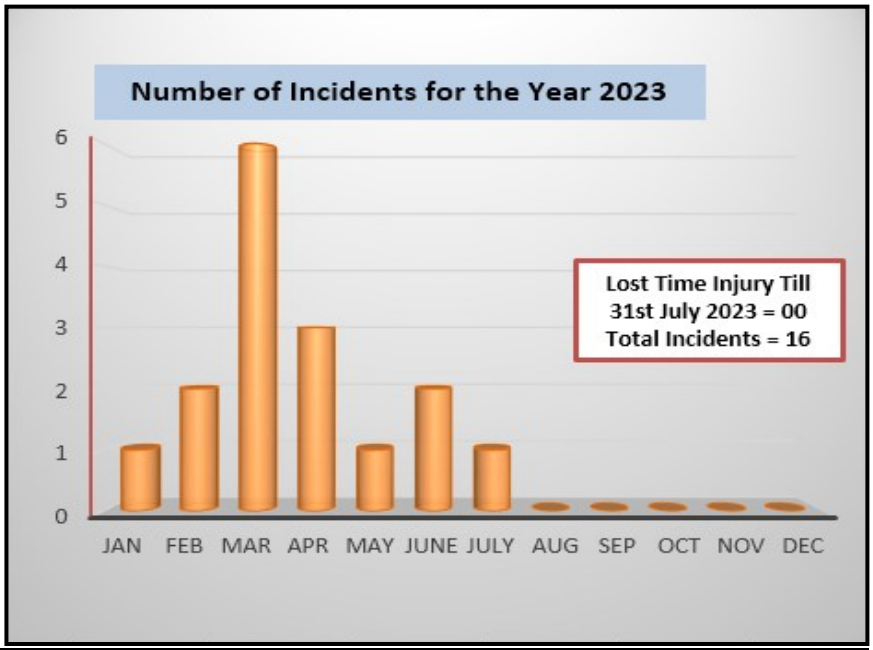
♦ **Fire Drill:**

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

Incident	An incident is an unplanned, undesired event that adversely affects completion of a task.
Near miss	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.
Accident	An accident is an undesired event that results in personal injury, property damage and equipment damage.
Loss Time injury (LTI)	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

What is Electrical Safety?

Electrical safety is a general practice conducted by workers exposed to electrically powered equipment. It's a set of guidelines that mitigates and prevents electrical hazards and their dangerous effects in the event of an incident.

Failure to follow electrical safety can lead to accidents, near misses, or fatalities.

What Are the Most Common Electrical Hazards?

According to OSHA, electrocution is the most common hazard across construction sites. That's why identifying electrical hazards is crucial to preventing workplace accidents, injuries, and fatalities.

Here are some examples of electrical hazards in the workplace, as well as tips on when you can do to mitigate and prevent these risks:

Overhead Power Lines

Overhead power lines are one of the most common electrical hazards in the workplace. They are often found on construction sites, as well as near utility poles and power lines. Overhead power lines can be very dangerous, as they are often energized with high-voltage electricity.

If you see an overhead power line that has been damaged or downed, do not touch it. Instead, report the hazard to your supervisor immediately.

If you must work near energized overhead power lines, always use proper personal protective equipment, such as rubber gloves and insulating matting.

Damaged Tools and Equipment

Using damaged electrical tools and equipment is one of the leading causes of electrocution in the workplace. That's why it's important to always inspect your tools and equipment before using them.

Do not use the tool or equipment if you see any damage, such as cracks, frayed cords, or missing parts. Instead, immediately report the damaged tool or faulty equipment to your manager or supervisor and request a replacement.

Improper Grounding

OSHA sites the improper grounding of equipment as the most common electrical violation. Improperly grounded equipment can cause fires, as well as electrocution. To mitigate this hazard, always ensure that all electrical equipment is properly grounded.

Importance of Electrical Safety

Lack of experience, inadequate training, and failure to identify potential hazards could lead to electrocution resulting in severe injuries or sudden death. The construction industry is most in danger from electrical hazards.

In fact, it accounts for 52% of all electrical fatalities in the United States. Most of these incidents and fatalities were due to direct worker contact with machines, tools, power lines, and hand-carried metallic objects. That's why electrical safety is of utmost importance in any workplace. Due to the threat that electrical hazards pose to construction workers, the Occupational Safety and Health Administration (OSHA) has developed a set of electrical safety standards that must be followed to ensure a safe working environment.