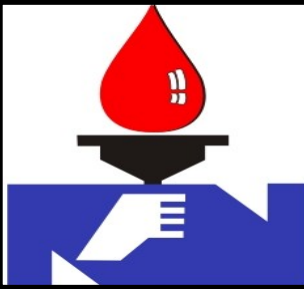


NATIONAL REFINERY LIMITED



HSE NEWS LETTER

May -2022

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

Manager HSE

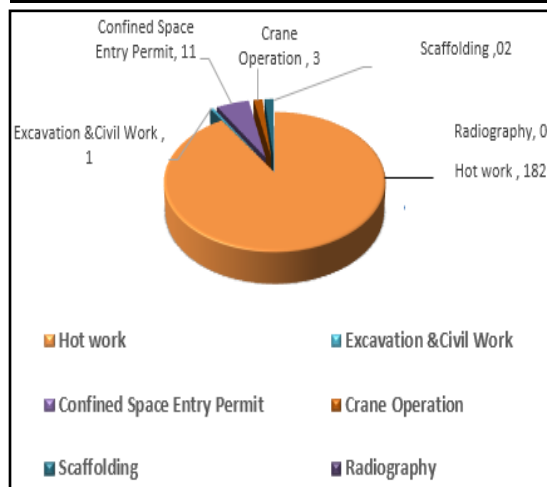
National Refinery Limited (NRL), 7-B, Korangi Industrial Zone, Karachi-74900, Pakistan.

Email:

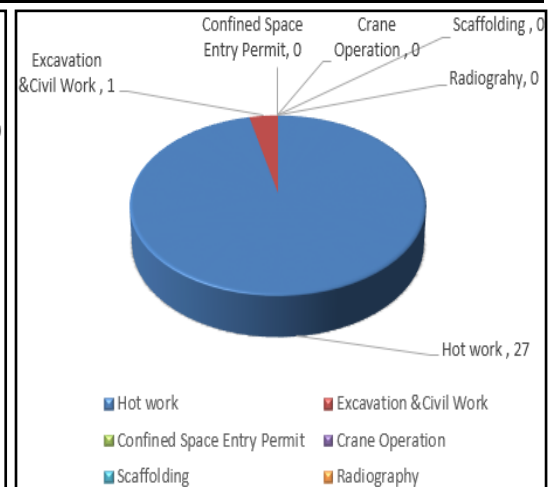
mgrhse@nrlpak.com

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 **May 2022** at Korangi & K.T.



Korangi Refinery



Keamari Terminal

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 **471,944.931** safe man-hours without Lost Time Injury (LTI) as on **31st May 2022**. Let us all give top priority towards safety, as there is no any job, which cannot be done in a safer way.

471,944.931 Safe Man Hours till 31st May 2022



Safety Training Sessions For NRL Employees

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

- ◆ HSE awareness inside refinery
- ◆ Advantages of housekeeping
- ◆ Process safety awareness
- ◆ PPE'S Compliance
- ◆ Confined Space Entry Hazards
- ◆ Work at Height Safety



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.

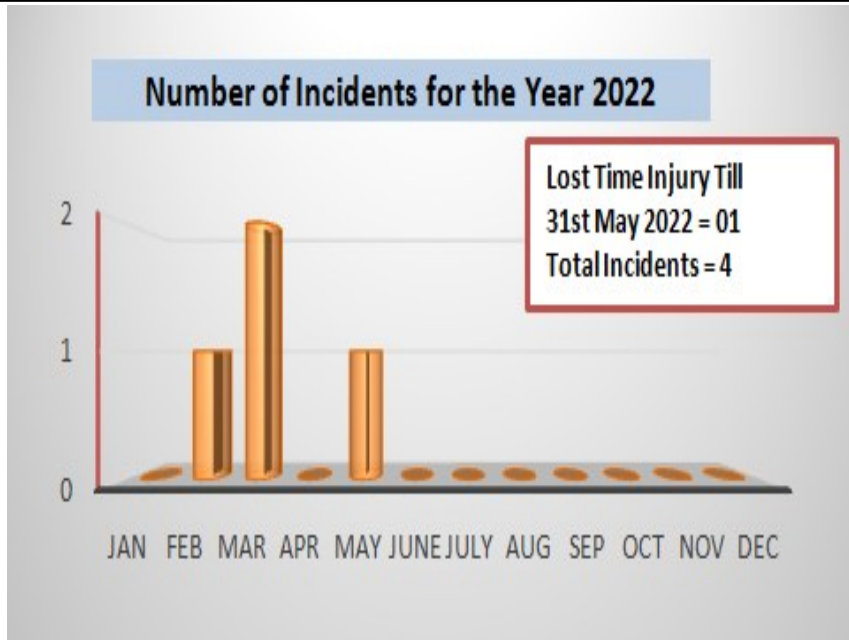


OUR AIM: NO ACCIDENTS



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



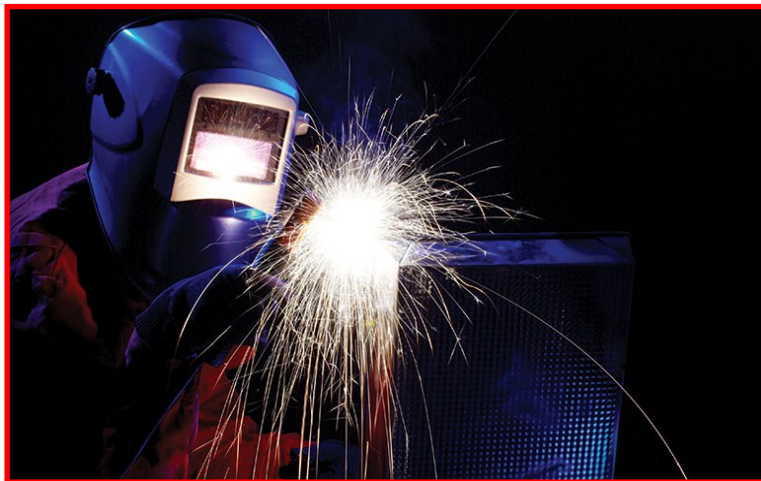
Noise Monitoring in Plant



Vehicle Emission Monitoring

Safety Article: What Is Hot Work and Why Is It Hazardous?

OSHA defines hot work as: “work involving electric or gas welding, cutting, brazing or similar flame or spark-producing operations.”



We should be concerned about hot work because:

- In our plants a spark invites disaster because of the tremendous potential for flammable vapors or gases to be present.
- When we cut, weld or grind in our facilities, literally thousands of ignition sources in the form of sparks and hot slag are created.
- Sparks and slag can scatter throughout an area where hot work is going on — sometimes up to 35 feet or more.
- Sparks and slag can also pass through cracks, gratings, doors, drains, open hatches and other openings in walls, floors or vessels, creating fire/explosion hazards in sometimes distant areas.
- In many chemical plants and refineries, it has become routine to do hot work in process areas ,often with the units still running. The current trend in our industry is to take the least amount of time possible to do maintenance work. Planned shutdowns and turnarounds for maintenance are held much less frequently than in the past. Even when such work is scheduled, the length of time allowed is enough to take care of only the most serious work orders.
- It is always safer to move that piece of equipment out of the process area to a safe place before doing hot work on it.