

NATIONAL REFINERY LIMITED



HSE NEWS LETTER

September - 2023

HSE Newsletter Contents:

Pg. #

Permit to Work	1
Safe Man Hours	1
Safety Training Sessions for M/S Descon Staff	2
Fire Drills by Fire Department	
Incident / Ill health & Loss Time Injury	3
Environmental Monitoring Conducted By HSE Department	3
Article: Personal Health and Safety in Petrochemical Refinery	4

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

Manager HSE

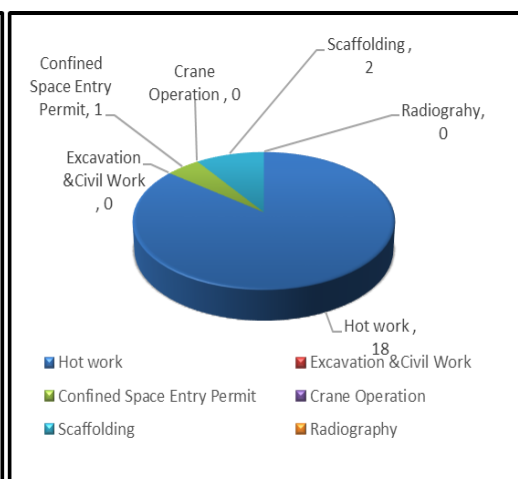
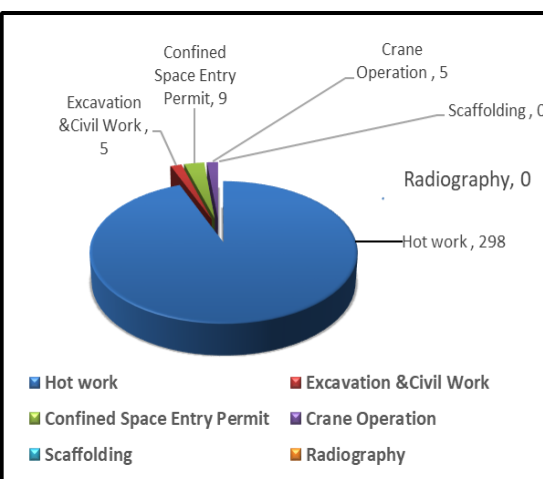
National Refinery Limited (NRL), 7-B, Korangi Industrial Zone, Karachi-74900, Pakistan.

Email:

mgrhse@nrlpak.com

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 **September 2023** 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 **3.475082 millions** safe man-hours without Lost Time Injury (LTI) as on **30th September 2023**. Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.

3.47 Million Safe man hours till 30th September 2023



SAFETY TRAINING SESSIONS FOR M/S DESCON STAFF

Safety training sessions for M/S Descon staff are an integral part of ensuring a safe and secure working environment. These sessions are designed to equip employees with the knowledge, skills, and awareness needed to prevent accidents, injuries, and incidents in the workplace. Here is a brief overview of the importance and key components of these safety training sessions.

- ◆ **Risk Assessment:** Teaching employees how to identify and assess potential hazards in their work areas.
- ◆ **Safety Procedures:** Providing clear instructions on safety protocols, including emergency response procedures.
- ◆ **Personal Protective Equipment (PPE):** Educating staff on the proper use and maintenance of PPE.
- ◆ **Fire Safety:** Conducting fire drills and teaching fire prevention measures.
- ◆ **First Aid:** Basic first aid training to enable immediate response to injuries.
- ◆ **Health and Hygiene:** Promoting good health practices and hygiene in the workplace.



Fire Drills Conducted by Fire Department

◆ Fire Drill:

On September 28, 2023, a meticulously planned mock fire drill was executed at the Lube II facility, serving the primary purpose of evaluating the response times of both the NRL (National Response Team) and the dedicated team from M/s DESCON. The objective of this exercise was to assess and potentially enhance our emergency response capabilities in addressing any unforeseen incidents effectively.

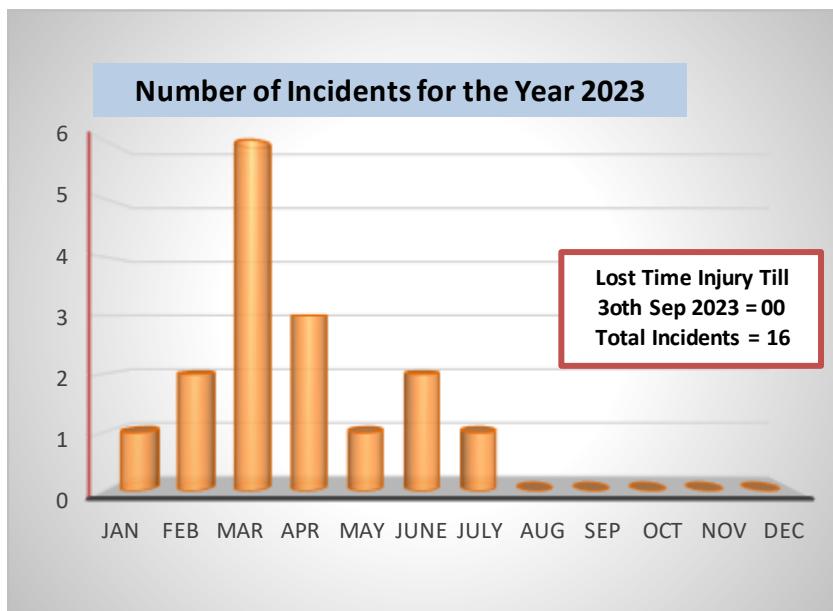


OUR AIM: NO ACCIDENTS



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).



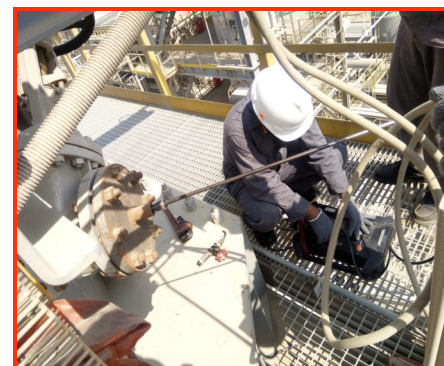
INTERNAL / EXTERNAL MONITORING CONDUCTED BY HSE DEPARTEMENT



Ambient Air Monitoring



Drinking Water Sampling



Stack Emission Testing



Fugitive Emission Testing



Noise Monitoring in Plant



Vehicle Emission Monitoring

Safety Article: PERSONAL HEALTH AND SAFETY IN PETROCHEMICAL REFINERY

When it comes to working in a petrochemical refinery, safety isn't just a priority; it's a way of life. The dynamic environment of a refinery can present numerous hazards, but with the right knowledge and practices, you can ensure your well-being while contributing to the production of vital resources. Here's your one-page guide to personal health and safety in the petrochemical industry – because nothing is more important than your safety.

Dress for Success

Proper attire is your first line of defense. Always wear the required personal protective equipment (PPE) such as helmets, safety goggles, flame-resistant clothing, gloves, and steel-toed boots. Your PPE will shield you from potential burns, chemical splashes, and falling objects.

Knowledge is Power

Stay informed about the chemicals you're working with and their associated risks. Understanding Material Safety Data Sheets (MSDS) can be a lifesaver. Know the emergency protocols and evacuation routes by heart. Knowledge is your best tool for staying safe.

Be Mindful of the Environment

Petrochemical refineries often operate in challenging weather conditions. Pay attention to temperature extremes, rain, and wind. Slippery surfaces can lead to accidents, so always walk carefully and use handrails when available.

Use Equipment Safely

Whether it's a wrench or a complex machine, use tools and equipment properly. Regular maintenance and inspections are crucial. Report any defects immediately to ensure swift repairs.

Chemical Handling

When working with chemicals, follow strict protocols. Always store and transport chemicals safely, and use the appropriate containers. In case of spills, know how to handle them and report incidents promptly.

Fire Safety

Fire hazards are a constant concern in refineries. Understand the location of fire extinguishers and know how to use them. Familiarize yourself with the nearest emergency exits and muster points.

Stay Hydrated

Working in high temperatures can lead to dehydration. Always have access to water and take regular breaks to hydrate. Heat exhaustion is a serious concern, so listen to your body and seek shade when necessary.

Communication is Key

Effective communication is essential. If you see something unsafe or have concerns, speak up. Encourage your colleagues to do the same. Working together to identify and address safety issues is the cornerstone of a safe workplace.