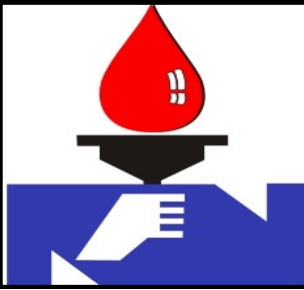


NATIONAL REFINERY LIMITED



HSE NEWS LETTER

January - 2024

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

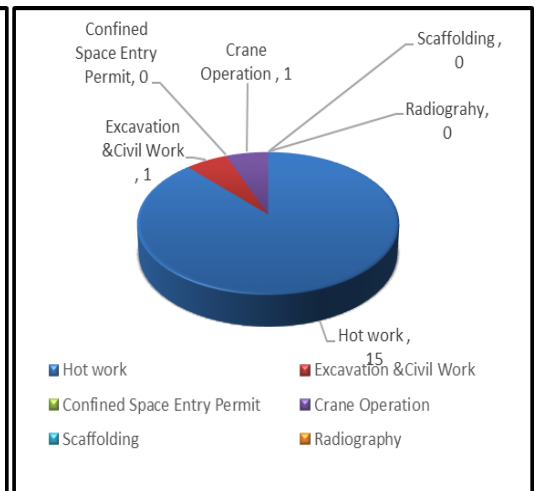
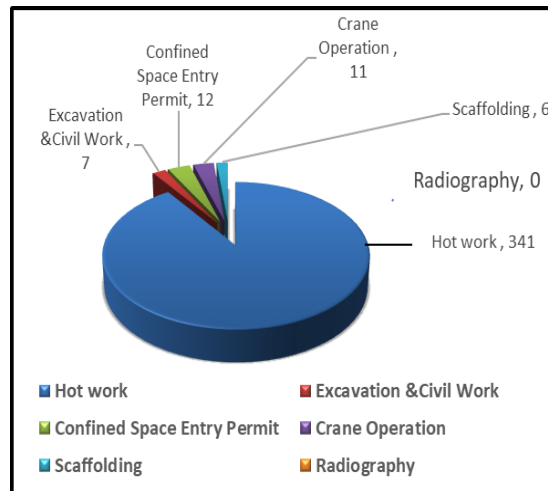
Manager HSE

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 **January 2024** 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 **4.2348 millions** safe man-hours without Lost Time Injury (LTI) as on **31st January 2024**. Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.

4.23 Million Safe man hours till 31st January 2024



Training to Newly Hired Engineers by HSE Department

The HSE Department conducts a series of safety training sessions covering a range of topics essential for ensuring a secure work environment within the refinery. These sessions include:

1. Fostering awareness of Health, Safety, and Environment (HSE) protocols specific to the refinery's operations.
2. Highlighting the benefits and importance of maintaining cleanliness and orderliness in the workplace.
3. Raising awareness about process safety measures and their significance in preventing accidents and ensuring operational integrity.
4. Providing guidance on identifying potential hazards, assessing associated risks, and implementing appropriate control measures.
5. Equipping employees with the skills and knowledge needed to conduct thorough investigations into workplace incidents.
6. Explaining the legal obligations and regulations pertaining to HSE practices, emphasizing the importance of compliance.

Ultimately, the goal of these training sessions is to equip employees with the knowledge and skills necessary to perform their duties safely, thereby ensuring the well-being of both themselves and their colleagues.



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.

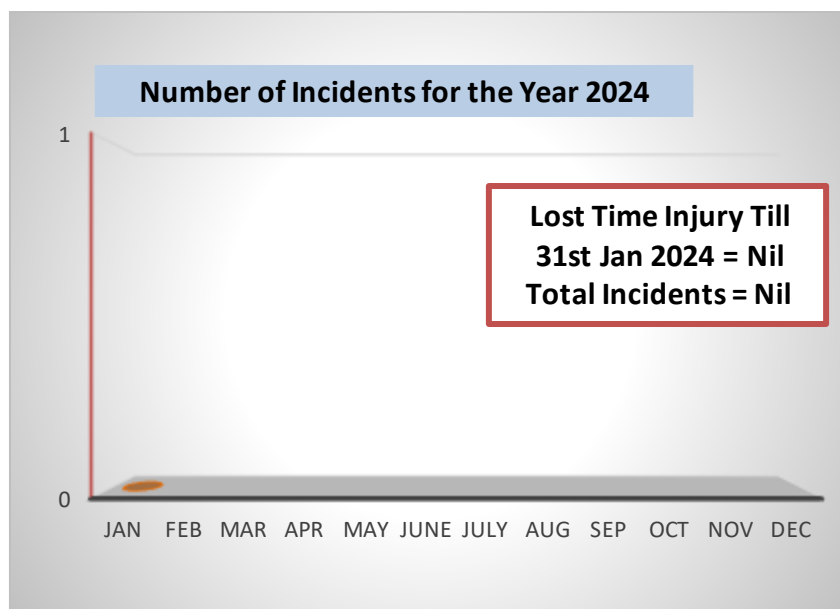


OUR AIM: NO ACCIDENTS



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: The Vital Importance of Personal Protective Equipment (PPE)

Petroleum refining processes involve various high-risk activities, including handling corrosive chemicals, exposure to extreme temperatures, and the risk of fire and explosions. Additionally, workers may encounter physical hazards such as slips, trips, and falls, as well as respiratory risks from toxic fumes and airborne particles. Recognizing these hazards underscores the imperative for robust safety measures, with PPE serving as a frontline defense mechanism.

THE ROLE OF PPE IN NRL:

At NRL, an unwavering commitment to safety permeates every aspect of operations. PPE is not merely a compliance requirement but a cornerstone of NRL's safety culture. From hard hats and safety glasses to flame-resistant clothing and respiratory protection, each piece of PPE is meticulously selected and rigorously enforced to ensure comprehensive coverage against potential hazards. This proactive approach underscores NRL's dedication to prioritizing the well-being of its workforce.

KEY COMPONENTS OF PPE's:

Effective PPE selection is guided by a thorough understanding of job-specific risks and regulatory standards. In NRL, PPE encompasses a range of equipment tailored to the unique challenges of petroleum refining. This includes:

Protective Clothing:

Flame-resistant garments shield against heat and fire hazards, while chemical-resistant suits offer protection from corrosive substances.

Head Protection:

Hard hats mitigate the risk of head injuries from falling objects or low-clearance areas.

Eye and Face Protection:

Safety goggles and face shields safeguard against chemical splashes, flying debris, and intense light.

Respiratory Protection:

Respirators filter out airborne contaminants, preserving respiratory health amidst potentially hazardous atmospheres.

Hand and Foot Protection:

Gloves and safety boots provide defense against chemical exposure, abrasions, and punctures.