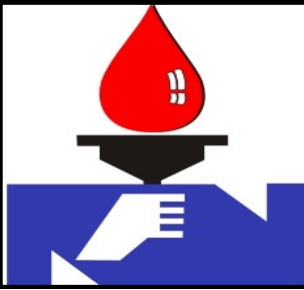


NATIONAL REFINERY LIMITED



HSE NEWS LETTER

November - 2023

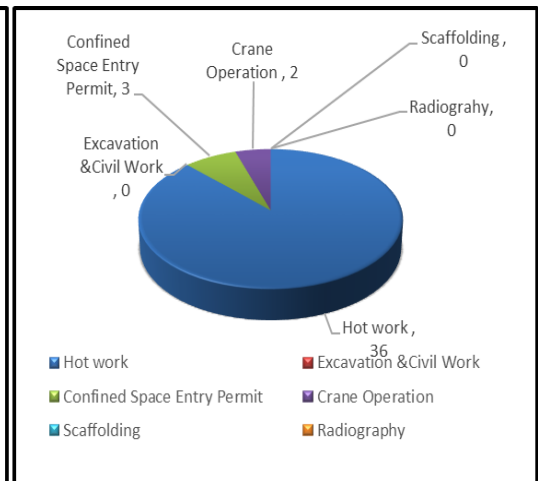
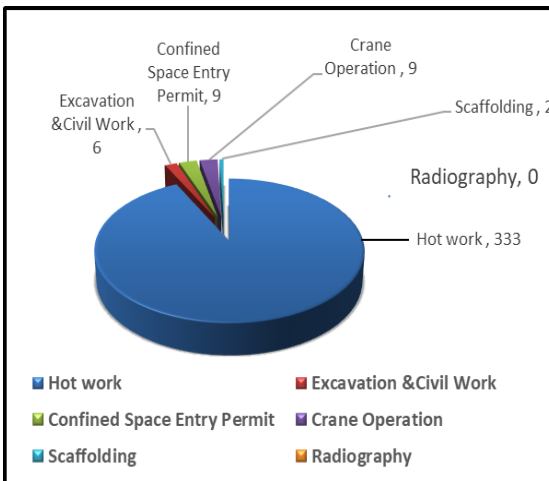
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Permit to Work System at NRL Korangi & K.T

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 **November 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 **3.873 millions** safe man-hours without Lost Time Injury (LTI) as on **30th November 2023**. Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.

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

**3.81 Million Safe
man hours till
30th November 2023**



2nd surveillance field audit

The 2nd surveillance field audit conducted on November 16th, 2023, revealed a strong commitment to HSEQ standards within the organization. By implementing the provided recommendations, the organization can further enhance its HSEQ practices and ensure the continued improvement of its Integrated Management System.

The audit diligently verified and checked all relevant requirements outlined in the auditing clauses. Compliance was assessed and areas of improvement were identified where necessary. The organization demonstrated a commitment to HSEQ standards and ongoing improvement.



Fire Drills Conducted by Fire Department

♦ Fire Drill:

Every Thursday at 1000 hrs and Wednesday at 1530 hrs, planned fire drill conducted 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.

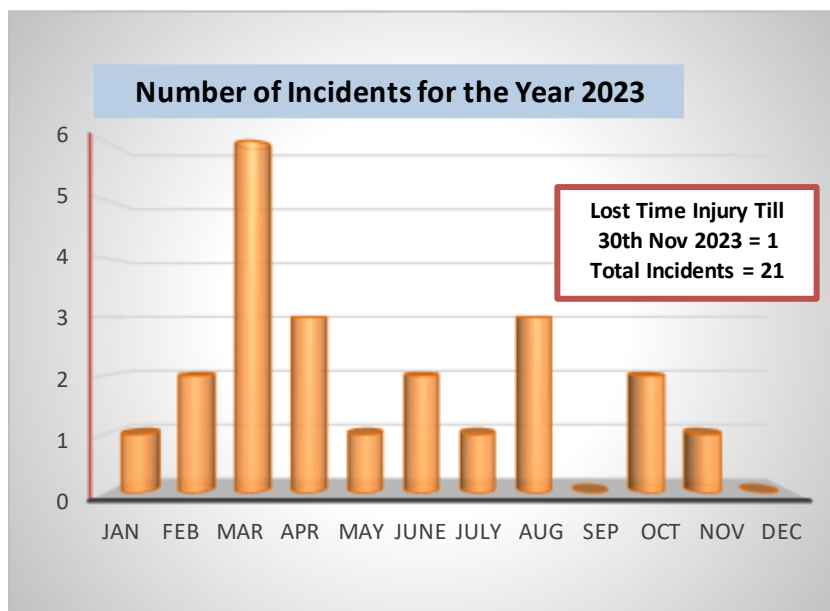


OUR AIM: NO ACCIDENTS



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).



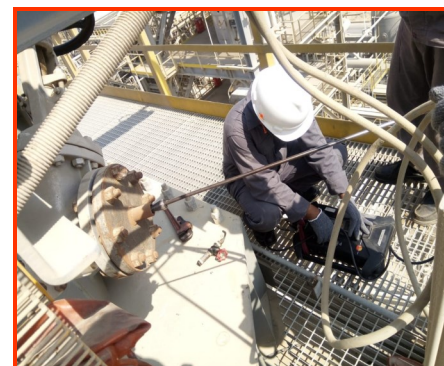
INTERNAL / EXTERNAL MONITORING CONDUCTED BY HSE DEPARTEMENT



Ambient Air Monitoring



Drinking Water Sampling



Stack Emission Testing



Fugitive Emission Testing



Noise Monitoring in Plant



Vehicle Emission Monitoring

Safety Article: Importance of PPE in Oil Refinery

Protection Against Hazards:

Explain how PPE protects workers from various hazards specific to oil refineries, such as chemical spills, fires, and explosions.

Types of PPE's:

Different types of PPE used in refineries, such as cover all clothing, safety helmets, goggles, and ear protection, and the situations in which each is necessary.

Head Protection: Safety helmets are essential to protect against falling objects and head injuries. They are often required in areas where there is a risk of impact or debris.

Eye and Face Protection: Safety goggles or face shields protect against chemical splashes, metal sparks, and other hazardous materials.

Hearing Protection: Earplugs or earmuffs are vital in areas with high noise levels to prevent hearing damage.

Respiratory Protection: Masks or respirators are used to protect from inhaling harmful gases, vapors, or dust.

Hand Protection: Gloves made of various materials protect against chemicals, cuts, and burns.

Body Protection: Fire-resistant clothing shields against heat and flame exposure, while chemical-resistant suits protect against chemical spills.

Foot Protection: Safety boots, often steel-toed, protect feet from heavy objects, chemicals, and slips.

Compliance with Health and Safety Regulations: Using PPE is not just a best practice; it's often a legal requirement. Regulatory bodies like OSHA (Occupational Safety and Health Administration) in the United States set standards for PPE to ensure workers are protected from known hazards. Non-compliance can lead to legal consequences and hefty fines.

Reduction in Long-term Health Risks: Chronic exposure to certain chemicals and environments in oil refineries can lead to long-term health issues. Respirators, for example, protect workers from inhaling toxic gases or particles, reducing the risk of respiratory diseases.

Enhancing Worker Morale and Productivity: When workers feel safe, they are more likely to be focused and productive. The use of PPE can boost worker confidence and morale by demonstrating the employer's commitment to their safety.

Here is an image that illustrates an oil refinery setting with poor housekeeping practices and workers not wearing personal protective equipment (PPE).

