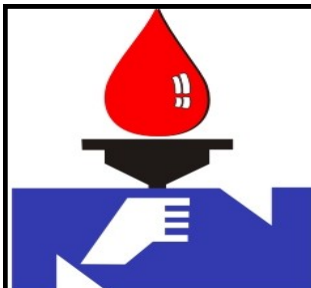


# NATIONAL REFINERY LIMITED



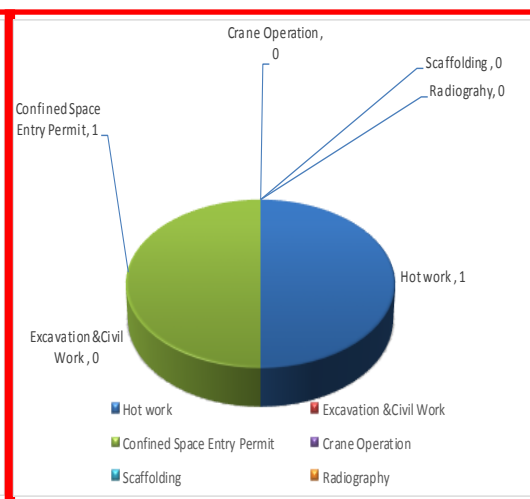
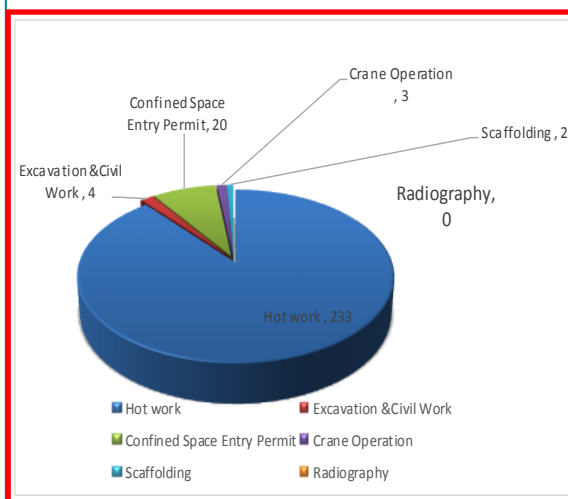
## HSE NEWS LETTER

October - 2021

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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 **Oct 2021** 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 **36.41980718 millions** safe man-hours without Lost Time Injury (LTI) as on **31<sup>st</sup> Oct 2021**. Let us all give top priority towards safety, as there is no any 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](mailto:mgrhse@nrlpak.com)

**36.41 Million Safe man hours till 31<sup>st</sup> October 2021**



## SAFETY TRAINING SESSIONS AT HRDC

Safety Training Sessions conducted by HSE Department at HRDC and in Operation meeting hall on various topics like:

- ◆ Importance and use of PPEs
- ◆ Hazards Identification and Risk Assessment.

Safety training is a process that aims to provide workforce with knowledge and skills to perform work in a way that is safe for the person itself and other co-workers



## 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.



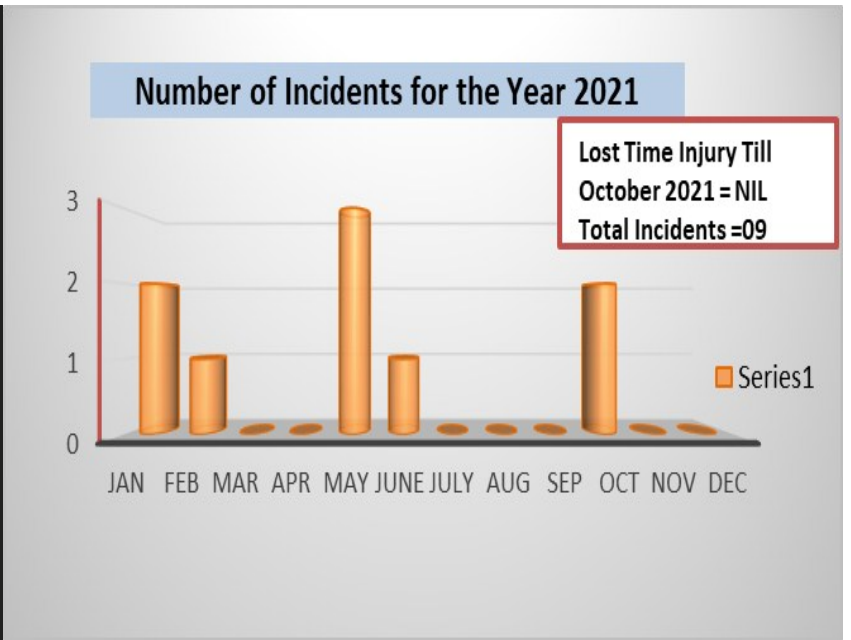


# OUR AIM: NO ACCIDENTS



## INCIDENT / ILL HEALTH AND LOSS TIME INJURY

<b>Incident</b>	An incident is an unplanned, undesired event that adversely affects completion of a task.
<b>Near miss</b>	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.
<b>Accident</b>	An accident is an undesired event that results in personal injury, property damage and equipment damage.
<b>Loss Time injury (LTI)</b>	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: Precautions During Job in a Confined Space

A confined space is a partially enclosed or completely enclosed space. It can be further defined as:

- ◆ If a space has a restricted entrance or exit due to location, size or means.
- ◆ If a space is not designed for human occupancy.

A confined space can pose a risk for the health and safety of anyone who enters. This is because of the following:

- ◆ The design of the confined space.
- ◆ The construction of the confined space.
- ◆ The location of the confined space.
- ◆ The atmospheric condition of the confined space.

Confined spaces can be above or below the ground. Confined spaces can be found at many workplaces, if not all workplaces. A confined space is just a small area. It can be a structure such as tanks, etc.



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The important thing to do first is to determine if the area a worker is about to enter is really a confined space or not, if it is determined to be a confined space be sure that the risk assessment and hazard control program is followed. To determine this refer to the 29CFR 1926 OSHA regulations.

Next, is it absolutely necessary that the work has to be done inside the confined space. In many cases the work can be accomplished outside of a confined space. Before entering a confined space a trained and experienced worker should identify all existing and potential hazards. The air inside the confined space should be tested from outside of a confined space using detection equipment with remote probes and sampling lines. This test should determine the following:

- ◆ The oxygen content is within safe limits—not too little or too much.
- ◆ A hazardous atmosphere is not present.
- ◆ Proper ventilation is introduced.