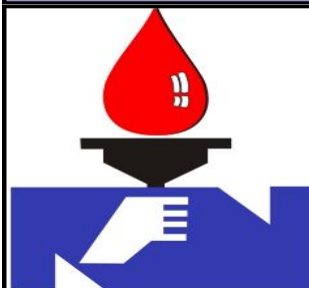


NATIONAL REFINERY LIMITED



HSE NEWS LETTER

March-2020

HSE Newsletter Contents:

Pg. #

Permit to Work

1

Safe Man Hours

1

Training to Newly Hired Engineers by HSE Department

2

Corona Screening within Refinery by Medical Staff.

2

Fire Drills Conducted by Fire Department

2

Incidents Data

3

Environmental Monitoring Conducted By HSE Department

3

Safety Article: Safe Storage of hazardous material (Continued from last month)

4

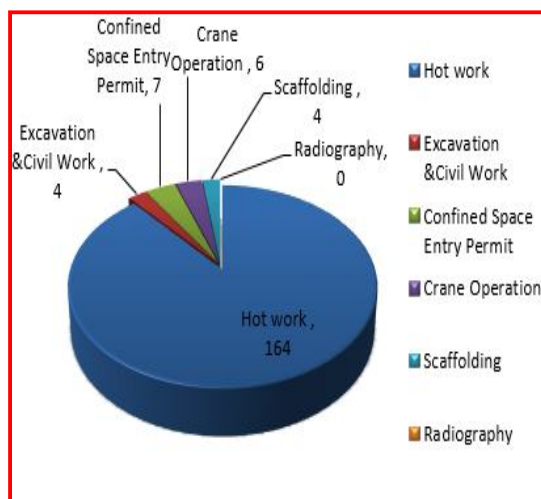
Question or letter may be directed to concerns regarding this news Letter.

Manager HSE

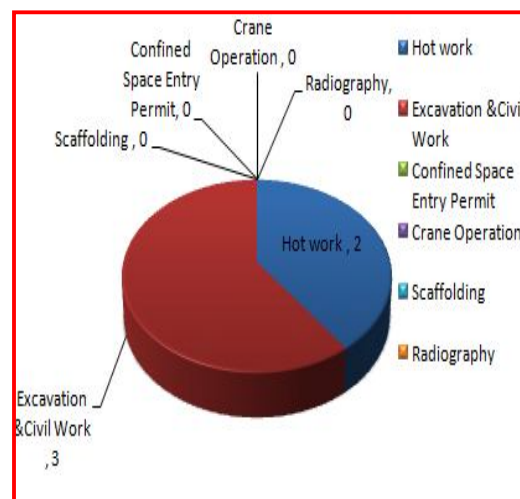
National Refinery Limited (NRL), 7-B, Korangi Industrial Zone, Karachi-74900, Pakistan.

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 **March 2020** at Korangi & K.T.



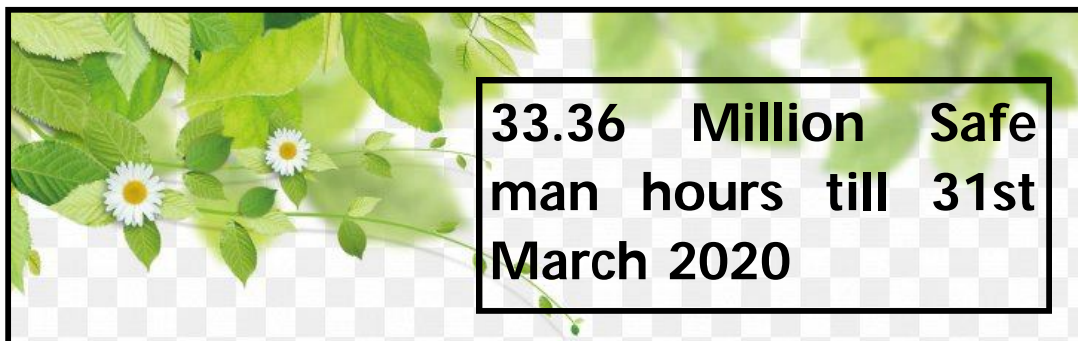
Korangi Refinery



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 Al Mighty Allah and joint efforts by all of us, we have achieved **33.366405 millions** safe man-hours with out Lost Time Injury as on **31st Mar 2020** Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.



Training to Newly Hired Engineers by HSE Department

Safety training sessions for new Trainee engineers conducted by **HSE Department** at **HRDC** on various safety related topics related to refinery Scope of work.

Workplace 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. Safety trainings helps in promoting a safety culture in an organization.



Corona Screening within Refinery by Medical Staff

Regularly Corona Screening done by medical staff at Refinery in which they examine each and every employee regarding the symptoms of corona. A team of specialized doctor and medical staff visit every workplace and give awareness regarding the precautions of Corona virus. Moreover temporary quarantine facility have also been established at NRL.



Fire Drills Conducted by Fire Department





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



NRL In-house / Internal Monitoring



Vehicle Emission Testing



Noise Monitoring in Plant Ar-

Safety Article: Storage of hazardous material (Continued from last month)

Each type of hazardous material requires special handling techniques or respective PPE's should be used. In all cases, it is the responsibility of the concerned Engineer / Supervisor to consult Material Safety Data Sheet (MSDS).

Storage of Hazardous Material:

- ◆ Hazardous substance must be stored according to their classification.
- ◆ Store chemicals at designated locations as mentioned in MSDS, away from heat sources such as steam pipes, furnaces and radiations and sunlight.
- ◆ Provide adequate ventilation in the storage areas.
- ◆ Never store hazardous chemicals on the floor without pad or containment.
- ◆ Large quantities of flammable materials should not be stored at one location.
- ◆ Flammable material should not be stored in glass or other containers near heat or steam pipes, or where strong sunlight will strike them. The contents may expand and may cause a fire explosion. Bottles may concentrate sunlight to ignite a fire in near by combustibles.
- ◆ Don't store hazardous materials / Chemicals in stairways or exit corridors.
- ◆ Don't store gas cylinders near electrical circuits or where they can expose to electrocution.
- ◆ Do not force hazardous chemicals from containers by injecting compressed air. The container may burst or the contents may ignite.
- ◆ Always label the container and its specification must be paste on it.
- ◆ MSDS must be present with the hazardous substances and must be readily available.
- ◆ To move from one place to another of sealed drums having hazardous/toxic chemicals should be dealt very carefully, should not be dragged, tipped, rolled, dropped or thrown from height, for this purpose fork lifter may be used having special cradle which protects the cylinder valve from being stuck in transit.
- ◆ Store separately empty and filled gas cylinders. Cylinders must be chained and stored according to the classification.
- ◆ Rolling of cylinders is not allowed as this damages the identification and may also damage or open the valve.
- ◆ There must be safety shower and eye wash station near the storage of hazardous chemical ,so if any one can expose to the hazardous substance he can wash his hands and eyes.
- ◆ Gas detectors should also be installed at gas storage area to rectify on time if any leakages occur.
- ◆ All the workers dealing with the hazardous substances must have their task related PPE's

