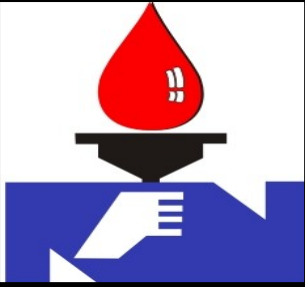


NATIONAL REFINERY LIMITED



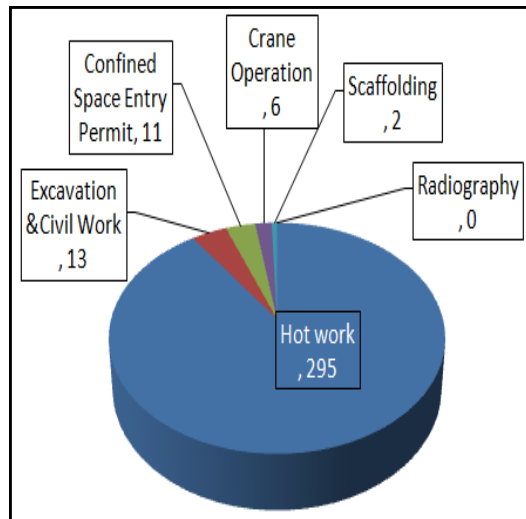
HSE NEWS LETTER

April—2019

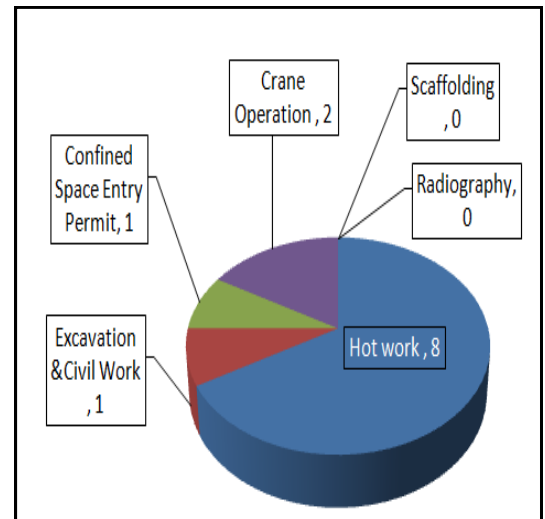
Permit to Work System at NRL Korangi & K.T

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 **April 2019** at Korangi & K.T.

HSE Newsletter Contents:	Pg #
<u>Permit to Work</u>	1
<u>Safe Man Hours</u>	1
<u>Isolation Certificate:</u>	2
<u>Fire Drill and Hose Handling Drill</u>	2
<u>Incident / Ill health & Loss Time Injury</u>	3
<u>Environmental Monitoring Conducted By HSE Department</u>	3
<u>Safety Article:</u>	4



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 **31.348005**-millions safe man-hours with out Lost Time Injury as on **April 30th, 2019**. 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:

**31.34 Million Safe man hours
Till April 30th 2019**

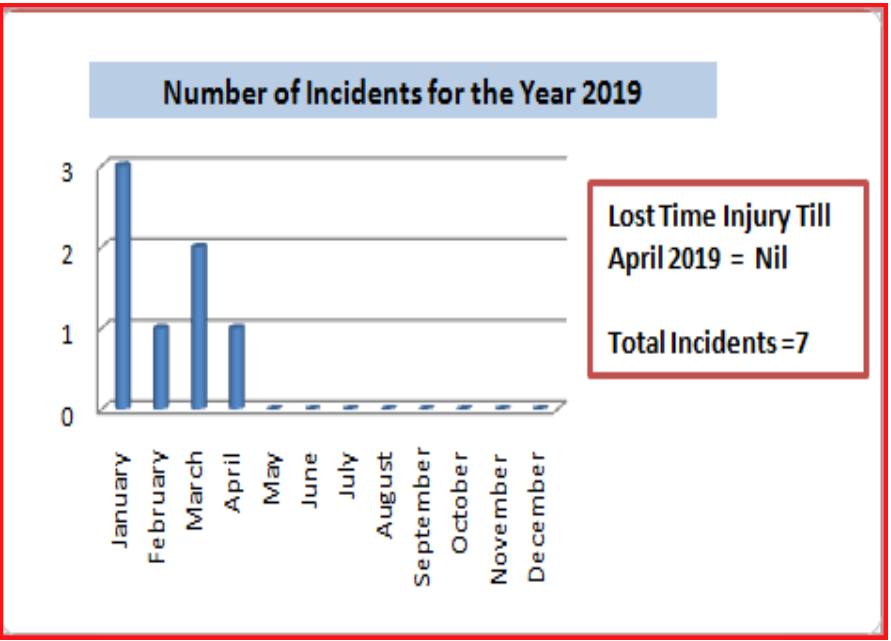


OUR AIM: NO ACCIDENTS



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



ETP water sampling



Stack Emission Testing



Noise Monitoring in Plant



H2S and Noise Monitoring in plant area

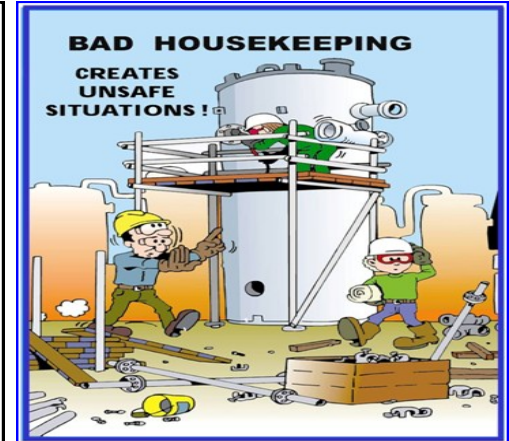
Safety Article: Importance Of Housekeeping At Workplace

What is good housekeeping?

Good housekeeping involves every phase of industrial operations and should apply throughout the entire premises, indoors and out. It is more than mere cleanliness. It requires orderly conditions, the avoidance of congestion, and attention to such details as an orderly layout of the whole workplace, the marking of aisles, adequate storage arrangements, and suitable provision for cleaning and maintenance

Some benefits of good housekeeping practices:

- ◆ Fewer tripping and slipping incidents in clutter-free and spill-free work areas
- ◆ Decreased fire hazards.
- ◆ Lower worker exposures to hazardous products (e.g. dusts, vapors).
- ◆ Better control of tools and materials, including inventory and supplies.
- ◆ More efficient equipment cleanup and maintenance.
- ◆ Better hygienic conditions leading to improved health.
- ◆ Reduced property damage by improving preventive maintenance.
- ◆ Improved morale.
- ◆ Improved productivity (tools and materials will be easy to find).



Elements of a good housekeeping :

- ◆ **Aisles:** Wide enough for traffic movements, marked off by floor lines from work positions and storage areas.
- ◆ **Space:** Sufficient room for the individual to work.
- ◆ **Storage:** Adequate and convenient space for materials and tools.
- ◆ **Materials Handling:** Layout planned for materials flow, with efficient methods and equipment.
- ◆ **Ventilation:** Good general ventilation plus local exhaust ventilation to remove air contaminants at the source.
- ◆ **Floors and Walls:** Of construction and materials that are easy to keep clean and in good repair.
- ◆ **Lighting:** Well-distributed artificial light and effective use of available daylight.
- ◆ **Welfare facilities:** Clean, up-to-date washrooms and lockers for clothing. A clean, inviting lunch room for employees to eat their meals.
- ◆ **Waste Removal:** Adequate facilities to prevent congestion and disorder.
- ◆ **Dispose of Scrap and prevent spillage:** Waste must be classified as hazardous and non-hazardous and must be disposed off accordingly.
- ◆ **Look After Your First Aid Gear:** First aid facilities must be proper and equipped with necessary first aid material and equipment.
- ◆ **Inspect Fire Control Equipment:** Inspect fire equipments regularly. Equipments must be properly placed on their designated location and must be in operative condition.
- ◆ **Prepare Area housekeeping checklist:** Prepare housekeeping checklist inspect the workplace on regular basis according to the checklist.
- ◆ **Electrical Wires:** Electrical wires must be in proper condition and must be insulated.

