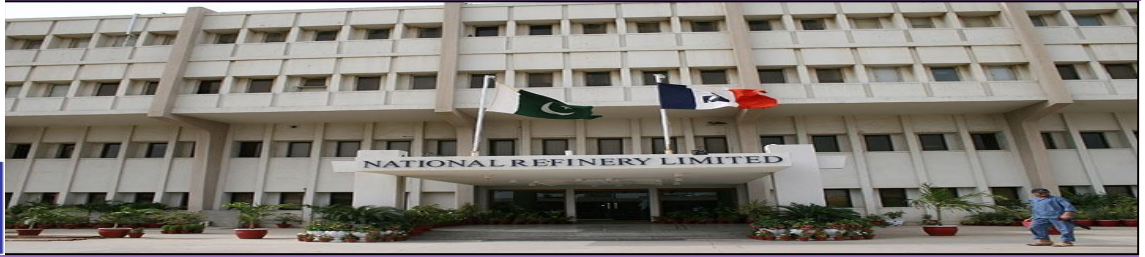


# NATIONAL REFINERY LIMITED



## HSE NEWS LETTER

August 2016

## Permit to Work System at NRL Korangi & K.T

### HSE Newsletter Contents:

<a href="#">Permit to Work</a>	1
<a href="#">Safe Man Hours</a>	1
<a href="#">Fire Drill at NRL &amp; KT</a>	2
<a href="#">Hose Handling Drill</a>	2
<a href="#">H<sub>2</sub>S &amp; VOCs Monitoring Korangi</a>	2
<a href="#">Incident / Ill health &amp; Loss Time Injury</a>	3
<a href="#">Illumination Monitoring</a>	3
<a href="#">Noise Survey Report Korangi</a>	3
<a href="#">Safety Article: Fire Safety for Everyone</a>	4

Permit is regarded as a written agreement between the person authorizing the work and the person receiving the permit to work. During working days in the morning several naked flame hot work permits were audited before issuance of various jobs at different locations inside Refinery by Sr. Engineer, Engineer and HSE / Fire Protection Officers along with respective area custodians. Following Permit to Work (PTW) were issued in the Month of **August 2016** at Korangi & K.T.

KORANGI REFINERY		KEAMARI TERMINAL	
PERMITS	TOTAL QUANTITY (NOs.)	PERMITS	TOTAL QUANTITY (NOs.)
Hot Work Permit	302	Hot Work Permit	07
Confined Space Entry Permit	17	Confined Space Entry Permit	01
Excavation / Civil Work	09	Excavation / Civil Work	01
Radiography Permit	—	Radiography Permit	—
Crane Operation	16	Crane Operation	—
Cold Work Permit	—	Cold Work Permit	—
Scaffolding Permit	01	Scaffolding Permit	—

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)

## 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 Staffs. By the Grace of Al Mighty Allah and joint efforts by all of us, we have achieved **24.683920** millions safe man-hours with out Lost Time Injury as on **August 31<sup>st</sup>, 2016**. Let us all give top priority towards safety, as there is no job, which cannot be done in a safer way.



## Fire Drill at NRL Korangi & KT

Live Fire / Dry drill is carried out every Thursday at 1000 hrs. sharp at NRL Korangi Refinery & Dry Drill is carried out every Wednesday at 1530 hrs. sharp at NRL Keamari Terminal. This drill helps in checking the fitness of fire fighting equipment & imparting training to Auxiliary Staffs as describe in Procedure to gain experience for combating / catering of live fire fighting. HSE department observes the response time during fire drill. Following are the status of Drills practices which were carried out in the month of **August 2016**.

S. No	Date	Team Leader	Nos. of Participant Attended	Nos. of Absentees	Type of Drill	Response Time (min & sec)
<b>Korangi Refinery</b>						
01	04-08-2016	Mr. Khalid Hussain	13	Nil	Dry	—
02	11-08-2016	Mr. Furqan Ahmed	13	Nil	Dry	—
03	18-08-2016	Mr. Bilal M. Khan	13	Nil	Dry	—
04	25-08-2016	Mr. Azam Baig	13	Nil	Dry	—
<b>Keamari Terminal (K.T)</b>						
01	03-08-2016	Mr. Shafiq Ansari	07	—	Dry	—
02	10-08-2016	Mr. Zaman	07	—	Dry	—
03	17-08-2016	Mr. Shafiq Ansari	07	—	Dry	—
04	24-08-2016	Mr. Ibrahim Bozdar	07	—	Dry	—
05	31-08-2016	Mr. Asif Bhatti	07	—	Dry	—

## Hose Handling Drill

Hose handling drill is carried out every Tuesday at 1000 hrs. sharp at Fire station NRL Korangi Refinery. This drill helps in handling of fire fighting equipment to Auxiliary Staffs from Productions, Security, Quality Control and Oil movement departments to handle / cater emergency situation. Following are the status of Hose Handling Drills practices which were carried out in the month of **August 2016**.

S. No	Date	Team Leader	Nos. of Participant Attended	Nos. of Absentees
01	02-08-2016	Mr. Muhammad Riaz	13	Nil
02	09-08-2016	Mr. Shafique Babar	13	Nil
03	16-08-2016	Mr. Khalid Hussain	09	04
04	23-08-2016	Mr. Touseef Iqbal	11	02

## H<sub>2</sub>S & VOCs Monitoring Korangi

HSE department monitors the Hydrogen Sulphide (H<sub>2</sub>S) & Volatile Organic Compounds (VOCs) which are being toxic in nature to the human beings and pollution to the environment. The results of H<sub>2</sub>S & VOCs recorded at more than **75 different locations in Refinery** for the month of **August 2016** on **25<sup>th</sup> August 2016**. The results was reported to all stake holders.



## INCIDENT / ILL HEALTH AND LOSS TIME INJURY

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.
Incident	An incident is an unplanned, undesired event that adversely affects completion of a task.
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).

## MONTH-WISE STATUS OF INCIDENT & LOSS TIME INJURIES FOR THE YEAR — 2016

Sr. No.	MONTH	INCIDENTS	LOSS TIME INJURIES
01	January 2016	02	Nil
02	February 2016	00	Nil
03	March 2016	00	Nil
04	April 2016	00	Nil
05	May 2016	01	Nil
06	June 2016	01	Nil
07	July 2016	03	Nil
08	August 2016	02	Nil
<b>Year to Date (Total)</b>		<b>09</b>	<b>Nil</b>

## Illumination Monitoring Report

HSE department monitor the Illumination intensity at various Rooms, corridor & Control rooms which include Admin Block, Operation Block, all three Refineries, Canteen, Fire station, Security, Shipping office, Oil movement office, Quality Control, Workshop Hall, Ware house office and Dispensary office for the month of **August 2016** on **25<sup>th</sup> August 2016**. The results was reported to all stake holders.

## Noise Survey Report Korangi

HSE department recorded the noise level reading at various location i.e., Lube-I, Lube-II, Fuel Refinery, Utilities, Oil Movement, R.O, Power Generation, Workshop, Warehouse, Quality control, Fire Protection, Shipping and Security department for the month of **August 2016** on **25<sup>th</sup> August 2016**. 182 & 283 / 293 Pump house & Fire Pump house # 2 was not in operation. The results of noise level reading was reported to all stakeholders.

# SAFETY ARTICLE: Fire Safety for Everyone

Every year millions of dollars of damage occur because of fires, but more importantly, people are hurt and LIVES ARE LOST.

Fire prevention is a critical part of an active Health and Safety plan. Everyone needs to know what to do in case of a fire, and what he or she can do to prevent the conditions that can cause a fire.

## FIRES ARE CAUSED BY....

Fires begin when three elements come together: oxygen, fuel, and heat. We can't do anything about oxygen, which is in the air. However, we can make sure that fuels and heat don't join oxygen. Fuels can be anything from paper, wood and candles to gasoline and other combustible materials. Heat is caused by everything from open flames and sparks to friction and electricity.

## Fire Extinguishers....

There are several different types of fire extinguishers, each for a specific use. It is important to verify that you have the right fire extinguishers to do the job. These are the types of fire extinguishers needed:

- ◆ Ordinary materials like paper, cloth, trash and wood need a CLASS A
- ◆ Gases, flammable materials like grease, oil, paint or solvents require a CLASS B
- ◆ Electrical equipment requires CLASS C. Never use water on an electrical fire.
- ◆ Combustible metals like magnesium, sodium, potassium and sodium potassium alloys, as well as lithium and lithium alloy - CLASS D
- ◆ Combination fires need CLASSES ABD and BC.

Basic principals of using a fire extinguisher:

- ◆ Stand about 8 feet away from the fire and pull the pin.
- ◆ Aim at the base of the fire
- ◆ Try not to blow sparks away, causing the fire to get even larger than it is.
- ◆ For larger fires, get out and leave it to the professionals.



**Material possessions can be replaced, people cannot!**

**Alertness to our environment is the greatest protection we have.**