

NATIONAL REFINERY LIMITED



HSE NEWS LETTER

August — 2017

HSE Newsletter Contents:

Permit to Work	1
Safe Man Hours	1
Fire Drill at NRL & KT	2
Hose Handling Drill	2
Incident / Ill health & Loss Time Injury	3
Illumination Monitoring	3
Noise Survey Report Korangi	3
H₂S & VOCs Monitoring Korangi	3
Safety Article: PPE and How it can save your life? (Part 1)	4

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. 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 were issued in the Month of **August 2017** at Korangi & K.T.

KORANGI REFINERY		KEAMARI TERMINAL	
PERMITS	TOTAL QUANTITY (NOs.)	PERMITS	TOTAL QUANTITY (NOs.)
Hot Work Permit	262	Hot Work Permit	11
Confined Space Entry Permit	—	Confined Space Entry Permit	—
Excavation / Civil Work	—	Excavation / Civil Work	03
Radiography Permit	—	Radiography Permit	—
Crane Operation	12	Crane Operation	02
Cold Work Permit	—	Cold Work Permit	—
Scaffolding Permit	03	Scaffolding Permit	—

Question or concerns regarding this news letter may be directed to:

Manager HSE
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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 **27.181692** millions safe man-hours with out Lost Time Injury as on **August 31st, 2017**. 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 2017**.

S. No	Date	Team Leader	Nos. of Participant Attended	Nos. of Absentees	Type of Drill	Response Time (min: sec)
Korangi Refinery						
01.	03-08-2017	Mr. Shahid Mehmood	11	02	Dry	—
02.	10-08-2017	Mr. Muhammad Arshad	12	01	Dry	—
03.	17-08-2017	Mr. Shafique Babar	13	—	Dry	—
04.	24-08-2017	Mr. Jamil Ahmed	13	—	Live	4 min.
05.	31-08-2017	Mr. Khan Muhammad	10	03	Dry	—
Keamari Terminal (K.T)						
01.	02-08-2017	Mr. Shafiq Ansari	07	—	Dry	—
02.	09-08-2017	Mr. Asif Bhatti	07	—	Dry	—
03.	16-08-2017	Mr. Riaz Ahmed	07	—	Dry	—
04.	23-08-2017	Mr. Asif Bhatti	07	—	Dry	—
05.	30-08-2017	Mr. Nadeem Jafri	07	—	Dry	—

Hose Handling Drill Korangi

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 2017**.

S. No	Date	Team Leader	Nos. of Participant Attended	Nos. of Absentees
01.	01-08-2017	Mr. Azam Baig	09	04
02.	08-08-2017	Mr. Azam Baig	13	—
03.	15-08-2017	Mr. Khan Muhammad	09	04
04.	22-08-2017	Mr. Shahid Rashid (Mgr. F.P)	13	—
05.	29-08-2017	Mr. Mohammad Riaz / Mr. Shafique Babar	13	—

Illumination Monitoring Report Korangi

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 2017** on **25th August 2017**. 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).

MONTHWISE STATUS OF INCIDENT & LOSS TIME INJURIES

Sr. No.	MONTH	INCIDENTS	LOSS TIME INJURIES
01.	January 2017	00	Nil
02.	February 2017	00	Nil
03.	March 2017	01	Nil
04.	April 2017	00	Nil
05.	May 2017	01	Nil
06.	June 2017	00	Nil
07.	July 2017	04	Nil
08.	August 2017	00	Nil
Total		06	Nil

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 2017** on **25th August 2017**. Boiler # 7 was not in operation. The results of noise level reading was reported to all stakeholders.

H₂S & VOCs Monitoring Korangi

HSE department monitors the Hydrogen Sulphide (H₂S) & Volatile Organic Compounds (VOCs) which are being toxic in nature to the human beings and pollution to the environment. The results of H₂S & VOCs recorded at more than **80 different locations in Refinery** for the month of **August 2017** on **25th August 2017**. Boiler VII was not in operation. The results was reported to all stake holders.

Safety Article : PPEs and How it can save your life? (Part 1)

One too many accidents happen every year and most of the time it's because of the absence or lack of Personal Protective Equipment (PPE). Personal protective equipment is designed to guard you against any risk present in the workplace. This can be anything from molten metal to falling debris to electric shock.

OSHA strictly regulates employers to provide their employees with proper PPE. In some cases, though, accidents happen not because of absence or lack of PPE but because some employees choose not to wear it.

1. HARD HATS

This is perhaps the most popular kind of PPE. Just passing by a construction site, you can see workers wearing their helmets or hard hats. Such protective gear are designed to protect against impact and penetration of flying and falling objects. It may be equipped with accessories such as face shields and earmuffs.

Employees must never alter their head protection in any way. Remember, too, that a hard hat or helmet that is either too large or too small is not appropriate for use.

2. EYE AND FACE PROTECTION

While you may be safe from impacts with your hard hat, you may be taking for granted the risk of eye and face injury. With the use of goggles, spectacles and full face shields you can get the protection you need for your eyes and face. Such equipment are designed to protect you while you perform metal-working, woodworking, air-tool operations and hot-work. This type of PPE is also helpful when you perform power or pressure spray operations and chemical handling processes.

Depending on the type of operation you need to perform, eye and face protection may be tinted, have side shields or filter lenses.

3. RESPIRATORY PROTECTION

Sometimes what you don't see can hurt you. In some workplaces, this could never be more true than with the presence of toxic airborne substances. This is where respirators come into the picture.

They are designed to protect you from dust, fumes, paint spray, pesticides and other substances that could bring about long-term or permanent impairment or even death. As with other types of PPE, safety programs provided to employees must specify the proper ways to clean, maintain and repair respirators.

Next, we will discuss in detail the benefits of using hand protection, safe footwear and hearing protection.

