

# NATIONAL REFINERY LIMITED



## HSE NEWS LETTER

January\_2018

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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. 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 **January 2018** at Korangi & K.T.

| KORANGI REFINERY            |                       | KEAMARI TERMINAL            |                       |
|-----------------------------|-----------------------|-----------------------------|-----------------------|
| PERMITS                     | TOTAL QUANTITY (NOs.) | PERMITS                     | TOTAL QUANTITY (NOs.) |
| Hot Work Permit             | 352                   | Hot Work Permit             | 17                    |
| Confined Space Entry Permit | 17                    | Confined Space Entry Permit | —                     |
| Excavation / Civil Work     | 10                    | Excavation / Civil Work     | 08                    |
| Radiography Permit          | —                     | Radiography Permit          | —                     |
| Crane Operation             | 15                    | Crane Operation             | —                     |
| Cold Work Permit            | —                     | Cold Work Permit            | —                     |
| Scaffolding Permit          | 05                    | Scaffolding Permit          | —                     |

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

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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 **28.27905** millions safe man-hours with out Lost Time Injury as on **January 31st, 2018**. 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 **January 2018**.

| S. No                         | Date       | Team Leader                   | Nos. of Participant Attended | Nos. of Absentees | Nature of Drill | Response Time (min: sec) |
|-------------------------------|------------|-------------------------------|------------------------------|-------------------|-----------------|--------------------------|
| <b>Korangi Refinery</b>       |            |                               |                              |                   |                 |                          |
| 01.                           | 04-01-2018 | Mr. Shahid Mehmood            | 13                           | —                 | Live            | 03 min 55 sec            |
| 02.                           | 11-01-2018 | Mr. Shahid Mehmood            | 13                           | —                 | Live            | 03 min 20 sec            |
| 03.                           | 18-01-2018 | Mr. Khalid Hussain            | 12                           | 01                | Live            | 03 min 56 sec            |
| 04.                           | 25-01-2018 | Mr. Shafique Babar            | 11                           | 02                | Live            | 03 min 20 sec            |
| <b>Keamari Terminal (K.T)</b> |            |                               |                              |                   |                 |                          |
| 01                            | 03-01-2018 | Muhammad Abid / S.M Tariq     | 04                           | —                 | Dry             | —                        |
| 02                            | 10-01-2018 | Noor Hussain / Kazim Raza     | 04                           | —                 | Dry             | —                        |
| 03                            | 17-01-2018 | Noor Hussain / Abdul Qadir    | 04                           | —                 | Dry             | —                        |
| 04                            | 24-01-2018 | Mr. Asif Bhatti /M.Farooq     | 04                           | —                 | Dry             | —                        |
| 05                            | 31-01-2018 | Mr. Asif Bhatti / Waqas Ahmed | 04                           | —                 | 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 **January 2018**.

| S. No | Date       | Team Leader         | Nos. of Participant Attended | Nos. of Absentees |
|-------|------------|---------------------|------------------------------|-------------------|
| 01.   | 02-01-2018 | Muhammad Riaz       | 12                           | 01                |
| 02.   | 09-01-2018 | Muhammad Riaz       | 11                           | 02                |
| 03.   | 16-01-2018 | Azam Baig           | 08                           | 05                |
| 04.   | 23-01-2018 | Mr. Muhammad Naveed | 08                           | 05                |
| 05.   | 30-01-2018 | Mr. Khan Muhammad   | 09                           | 04                |

## Hose Handling Drill K.T

| S. No | Date       | Team Leader            | Nos. of Participant Attended | Nos. of Absentees |
|-------|------------|------------------------|------------------------------|-------------------|
| 01.   | 03-01-2018 | Muhammad Abid          | 04                           | —                 |
| 02.   | 10-01-2018 | Muhammad Shafiq Ansari | 04                           | —                 |
| 03.   | 17-01-2018 | Muhammad Shafiq Ansari | 04                           | —                 |
| 04.   | 24-01-2018 | Mr.Asif Bhatti         | 04                           | —                 |
| 05.   | 31-01-2018 | Mr.Asif Bhatti         | 04                           | —                 |



### 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 2018 | 01        | Nil                |
| <b>Total No.</b> |              | <b>01</b> | <b>Nil</b>         |

### INTERNAL MONITORING CONDUCTED BY HSE DEPARTEMENT

| S. # | Testing                       | Locations  | Date (NRL)                                     | Date (K.T)                |
|------|-------------------------------|--|--|---------------------------|
| 1    | H <sub>2</sub> S and VOC      | Plant area, Storage tanks, Flare area, Management block parking, Q.C,Gantries & terminals. | 8 <sup>th</sup> & 9 <sup>th</sup> January 2018 | 11 <sup>th</sup> Jan 2018 |
| 2    | Illumination                  | Control rooms, canteen & corridors.  |  |                           |
| 3    | Noise Level                   | Plant area, Power generation & Pump house  |  |                           |
| 4    | Drinking Water                | Different locations in NRL   | 26 <sup>th</sup> Jan 2017                      | -                         |
| 5    | Rain Water Channel Monitoring | Inside NRL   | 22 <sup>nd</sup> Jan 2018                      | -                         |

# Safety Article : Crane Operation In Work Place

## Selection of cranes:

For the correct selection of cranes, the following factors shall be considered:

- Weights and dimensions of loads •
- Height of lift and distances/areas of movement of loads
- Number and frequency of lifts • Period of time for the lifting operation
- Ground conditions • Other factors



## Testing, examination and inspection:

All testing and examination of cranes must be carried out by competent examiners and the regular inspections completed by competent personnel. All testing, examination and inspection reports and certificates shall be properly kept.

## Safe Working Loads :

The Safe Working Load (SWL) for operating the crane shall be specified according to the results of test and examination certificates, and such loads must not be exceeded during the lifting operation.

## Repair and maintenance :

All cranes shall have regular maintenance, to ensure they always kept in good operating conditions.

Safe lifting can be affected by rain, thunderstorms, strong winds, ground conditions and overhead power lines.

## Environmental Effect on Crane Operation :

### 1) Rains:

• Rains creates wet and slippery ground, loose soil and landslides, etc. Depending on the situation, the operator shall decide whether to continue working or not. When the soil is loose and could cause danger to the crane's stability, lifting work must be stopped.

### 2) Thunderstorms:

• During thunderstorms, stop lifting operations immediately.

### 3) Strong winds:

• In strong winds, decrease the weight of the Safe Working Load to improve safety. If the wind intensifies, work must be stopped.

### 4) Ground situation:

- Loose soil - use firmer, larger wooden planks to distribute the load and reduce the weight on the soil.
- When on a slope, adjust the outriggers to keep the crane horizontal.
- If there are excavations near the lifting appliances
- strengthen excavations' supports.

