**Petroleum Development Oman LLC**

**Q1 2015 Incident analysis LTI study**

**Summary**

PDO’s LTIF performance for 2015 Q1 was (0.22) which was a significant improvement compared with (0.40) rates in Q1 in 2014. PDO suffered 11 LTIs in the first quarter, six less than in 2014 and with more man-hours worked. The following analysis of the incidents is designed to identify trends and points of statistical interest to target future resource.

**Analysis**

1. **Directorate**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Directorate** | **Q1** | | | **YTD** | | |
| **2015** | **2014** | **% (-/+)** | **2015** | **2014** | **% (-/+)** |
| **UWD** | **8** | **13** | **-39** | **8** | **14** | **-43** |
| **OSD** | **0** | **2** | **-100** | **0** | **3** | **-100** |
| **OND** | **0** | **0** | **0** | **0** | **0** | **0** |
| **XD** | **0** | **0** | **0** | **0** | **0** | **0** |
| **UID** | **1** | **2** | **-50** | **1** | **2** | **-50** |
| **HD** | **0** | **0** | **0** | **0** | **0** | **0** |
| **GD** | **0** | **0** | **0** | **0** | **0** | **0** |
| **UEOD** | **0** | **0** | **0** | **0** | **0** | **0** |
| **CPDM** | **2** | **0** | **+100** | **2** | **0** | **+100** |
| **Total** | **11** | **17** | **-36** | **11** | **19** | **-42** |

1. **LTIs per Operational Teams YTD:-**

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Directorate** | **No of LTIs -Team** |
| 1 | UWD | **1**- UWX, **4**- UWO, **1**-UWLN, **1**-UWB, **1**-UWS |
| 2 | CPDM | **2-**CRC |
| 3 | UID | **1-**UIR |

1. **PDO v Contractor** 
   1. 11 - PDO contractors
   2. 0 - PDO employee
2. **Contractor information**

10 contractors suffered LTI incidents YTD:-

* 2 incidents – WG CCC.
* 1 incident – MBPS, Ensign, Bahwan Exel, Al Hajiry, Ba Omar, Al Turki, Shivani, KCA Deutag, NDSC.

1. **Incident description – Action and Injury:-**
   1. Slipped while descending the staircase resulting in an injured knee.
   2. Trapped between the hose and the hand tools resulting in a fractured finger.
   3. Fall 1.5m from the top of shovel wheel resulting in a fractured wrist.
   4. Fall 1.8m from the top of a trailer resulting in a fractured wrist.
   5. Crushed by a GRC block resulting in a fractured leg.
   6. Trapped between a tubing ring and hunger resulting in amputated & fractured finger.
   7. Trapped between flow line and shale shaker pipe resulting in a fractured finger.
   8. The prime mover lifted up and falls down heavily resulting in a fractured pelvis.
   9. Fall on moving vehicle (hose deployment unit skid) hitting head on open ended hand rail causing trauma to head resulting in **fatality**.
   10. Struck by a coflex hose end caused fracture to two toes.
   11. Slipped from an engine skid to the ground resulting in fractured wrist.
2. **Parts of body injured YTD:-**

|  |  |  |  |
| --- | --- | --- | --- |
| Hands/fingers | 3 | Knee/Leg | 2 |
| wrist | 3 | pelvis | 1 |
| ankle/foot/toe | 1 | head/neck | 1 |

1. **Incident classification YTD:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of Incident causing LTI** | **No of LTIs**  **YTD 2015** | **No of LTIs**  **YTD 2014** | **% (-/+)** |
| **Crush/Trapped** | **4** | **5** | **-20** |
| **Slip, Trip, Fall** | **4** | **4** | **0** |
| **MVI** | **1** | **5** | **-80** |
| **Struck by object** | **2** | **2** | **0** |
| **Fall from height** | **0** | **2** | **-100** |
| **chemical/heat burns** | **0** | **1** | **-100** |
| **Total** | **11** | **19** | **-42** |

1. **Actual Severity YTD:**
2. Severity 2 (minor injury) **0**
3. Severity 3 (major injury) **10**
4. Severity 4 (fatality) **1**
5. **Potential Severity YTD:**

B3 major injury, Heard of in the industry **0**

C3 major injury, has happened in the company or more than once in the industry **10**

C4 fatal injury, has happened in the company or more than once in the industry **1**

D2 minor injury, has happened at the location or more than once per year in the company  **0**

D3 major injury, has happened at the location or more than once per year in the company **0**

D4 PTD or up to 3 fatality, has happened more than once in the industry **0**

1. **Types of underlying causes YTD:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Underlying Cause** | **Q1 2015 YTD** | **Q1 2014 YTD** | **% (+/-)** | **Description of Underlying Cause - Tripod Beta - (Casual review)** |
| Training | 1 | 7 | -86 | Deficiencies in systems providing knowledge and skills |
| Incompatible goals | 0 | 6 | -100 | Failure to manage conflict: between formal rules & informal rules of a work group or between demand of a task and personal preoccupations or distractions. |
| Communication | 1 | 6 | -83 | Failure in effectively transmitting information |
| Procedures | 4 | 8 | -50 | Unavailable, incorrect, outdated or otherwise unusable |
| Design | 2 | 2 | 0 | Deficiencies in layout or design of facilities, plant or equipment |
| Organisation | 4 | 6 | -33 | Deficiencies in company structure or way tasks/responsibilities are assigned |
| Error enforcing conditions | 0 | 2 | -100 | Time pressure, macho behavior, physical working conditions (hot, noisy etc) promoting errors or violations |
| Hardware | 0 | 5 | -100 | Inadequate quality or non availability of materials or equipment |
| Housekeeping | 0 | 1 | -100 | Failures in systems for reduction of the consequences |

1. **Time of incidents YTD:**

|  |  |
| --- | --- |
| 00:00-04:00 | 0 |
| 04:00 -08:00 | 1 |
| 08:00 -12:00 | 3 |
| 12:00 - 16:00 | 3 |
| 16:00 - 20:00 | 3 |
| 20:00 - 00:00 | 1 |

1. **Age of IP YTD:**

|  |  |
| --- | --- |
| 20-25 | 2 |
| 26-30 | 2 |
| 31-35 | 3 |
| 36-40 | 1 |
| 41-45 | 1 |
| 46-50 | 1 |
| 51-60 | 1 |

**End of Analysis**