**Petroleum Development Oman LLC**

**Q2 2014 Incident analysis LTI study**

PDO’s LTIF performance for Q2 2014 was 0.33 comparing to 0.30 in Q2 2013. PDO suffered 11 LTIs in this quarter, two less than in Q2 2013 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 focus.

1. **Directorate**

|  |  |  |
| --- | --- | --- |
| **Directorate** | **Q2** | **% of 2013** |
| **2014** | **2013** |
| **UWD** | **4** | **6** | **-33** |
| **OSD** | **1** | **1** | **0** |
| **GD** | **1** | **1** | **0** |
| **OND** | **1** | **0** | **+100** |
|  **UID** | **4** | **2** | **+100**  |
|  **HD** | **0** | **2** | **-100** |
| **CPDM** | **0** | **1** | **-100** |
| **Total** | **11** | **13** | **-15** |

1. **Teams**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No** | **Directorate**  | **Teams**  | **No of LTIs** |
| **1** | **UWD** | **UWS** | **2** |
| **UWI/1** | **1** |
| **OSPTW** | **1** |
| **2** | **OSD** | **OSE** | **1** |
| **3** | **GD** | **GGO4Q** | **1** |
| **4** | **OND** | **ONO4L** | **1** |
| **5** | **UID** | **UIPT/45N** | **1** |
| **UIB14X** | **1** |
| **UIR** | **2** |

1. **PDO v Contractor**
	1. 1 – PDO employee.
	2. 10 – PDO contractors.
2. **Contractor information**
	1. There were 8 contractors involved in Q2 LTIs, of which 2 contractors had 2 LTIs. The breakdown is as follows:-

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No** | **LTI No** | **Date** | **Company** |
| **1** | **LTI#18** | **02-Apr-14** | **Dalma** |
| **2** | **LTI#19** | **06-Apr-14** |
| **3** | **LTI#20** | **06-Apr-14** | **WG-CCC** |
| **4** | **LTI#21** | **26-Apr-14** | **Weatherford** |
| **5** | **LTI#22** | **07-May-14** | **STST** |
| **6** | **LTI#23** | **07-Jun-14** | **Al Ghalbi** |
| **7** | **LTI#24** | **25-May-14** | **Al Hajiry** |
| **8** | **LTI#26** | **08-Jun-14** |
| **9** | **LTI#25** | **09-Jun-14** | **Carillion Alawi LLC** |
| **10** | **LTI#27** | **16-Jun-14** | **PDO** |
| **11** | **LTI#28** | **08-Jun-14** | **Schlumberger** |

1. **Incident description – Action and Injury:-**
	1. Fall 1.5m from Crane cabin caused fracture of left wrist and forearm.
	2. Slipped in the rig floor caused fracture of right lower leg.
	3. Crushed by a hammer caused fracture of distal phalanx right index finger.
	4. Crushed by a scraper caused fracture of left lower leg.
	5. Trapped between the belts and the pulley caused amputation and fracture of three fingers.
	6. Struck violently by a launcher door caused multiple fracture to left arm and fracture of right wrist.
	7. Fall down heavily caused left elbow fracture.
	8. Trapped between a pipe and the lorry tail gate caused right thumb distal amputation and fracture.
	9. Cut the back of the hand while grinding caused a deep cut to his hand. (see if we change the wording, otherwise keep it as the same)
	10. Trapped between motor pulley and belt caused a fracture of the tip of the finger.
	11. Slipped whilst descending the stairs caused a fracture of wrist and bruised knee.
2. **Parts of body injured**
3. Hands/fingers – 4
4. Wrist – 3
5. Elbow/arm – 3
6. Knee/Leg – 3
7. Thumb – 1
8. **Incident classification**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of Incident causing LTI** | **No of LTIs****Q2 2014** | **No of LTIs****Q2 2013** | **% change from****2013** |
| **Crush/Trapped** | **5** | **3** | **+67** |
| **Slip, Trip, Fall** | **4** | **6** | **-33** |
| **Struck By Object** | **1** | **4** | **-75** |
| **Portable tools** | **1** | **0** | **+100** |

1. **Actual Severity**
2. Severity 3 (major injury) **11**
3. **Potential Severity**

C3 major injury, has happened in the company **9**

D3 major injury, has happened more than once a year in the company **2**

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1. **Underlying causes**

There were 56 identified underlying causes out of 11 LTIs of which 17 were repeated underlying causes i.e. failing to learn from LTIs. Details are in the below table:-

|  |  |  |
| --- | --- | --- |
| **Sr No** | **Underlying causes** | **Repeated causation** |
| 1 | Poor judgment | 4 |
| 2 | Inadequate enforcement of PSP | 3 |
| 3 | Inadequate reinforcement of critical behaviors | 3 |
| 4 | Lack of PSP for the task | 3 |
| 5 | Improper supervisory example | 2 |
| 6 | Inadequate vertical communication between supervisor and person | 2 |

1. **Latent management failures**

There were 29 identified latent management failures of 11 LTIs of which 11 were repeated latent management failures i.e. failing to learn from LTIs. Details are in the below table:-

|  |  |  |
| --- | --- | --- |
| **Sr No** | **Latent management failures** | **Repeated failure** |
| 1 | Inadequate processes for communication of HEMP in TBTs, Safety briefings  | 6 |
| 2 | Inadequate planning for crisis management  | 3 |
| 3 | Inappropriate safeguards and management checks to avoid shortfalls.  | 2 |

1. **Time of incidents**
	* 1. 04:00 – 08:00 1
		2. 08:00 – 12:00 4
		3. 12:00 – 16:00 2
		4. 16:00 – 20:00 3
		5. 20:00 – 00:00 1
2. **Age of IP**
3. 21 – 26 1
4. 26 – 30 0
5. 30 – 35 4
6. 35 – 40 0
7. 40 – 45 3
8. 45 – 50 1
9. 50 – 60 2
10. Over 60 0

**End of Analysis**