

# **Petroleum Development Oman LLC**

## **MSE3**

### **2016 Q1 LTI Incident Analysis Study**

## Contents

<b>1. Summary .....</b>	<b>3</b>
<b>2. Analysis .....</b>	<b>3</b>
<b>2.1 Directorate Analysis.....</b>	<b>3</b>
<b>2.2 LTIs per Operational Teams YTD .....</b>	<b>4</b>
<b>2.3 PDO v Contractor YTD:.....</b>	<b>4</b>
<b>2.4 Contractor information YTD .....</b>	<b>4</b>
<b>2.5 LTI Incidents Descriptions YTD .....</b>	<b>4</b>
<b>2.6 Incident classification YTD .....</b>	<b>4</b>
<b>2.7 Actual Severity YTD.....</b>	<b>5</b>
<b>2.8 Potential Severity YTD .....</b>	<b>5</b>
<b>2.9 BASIC RISK FACTORS (BRF's) YTD .....</b>	<b>5</b>
<b>2.9.1 Comparison table of the BRF Q1 2016 – Q1 2015.....</b>	<b>5</b>
<b>2.9.2 Comparison graph of the BRF.....</b>	<b>6</b>
<b>2.10 Job positions YTD-.....</b>	<b>6</b>
<b>2.11 Parts of body injured YTD.....</b>	<b>7</b>
<b>2.12 Time of incidents YTD .....</b>	<b>7</b>
<b>2.13 Age of IP YTD.....</b>	<b>8</b>
<b>3. Conclusion .....</b>	<b>8</b>

## 1. Summary

PDO's LTIF performance for 2016 Q1 was (0.13) which was a significant improvement compared with (0.23) rates in Q1 in 2015. PDO suffered 6 LTIs in this first quarter, five less than in 2015 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.

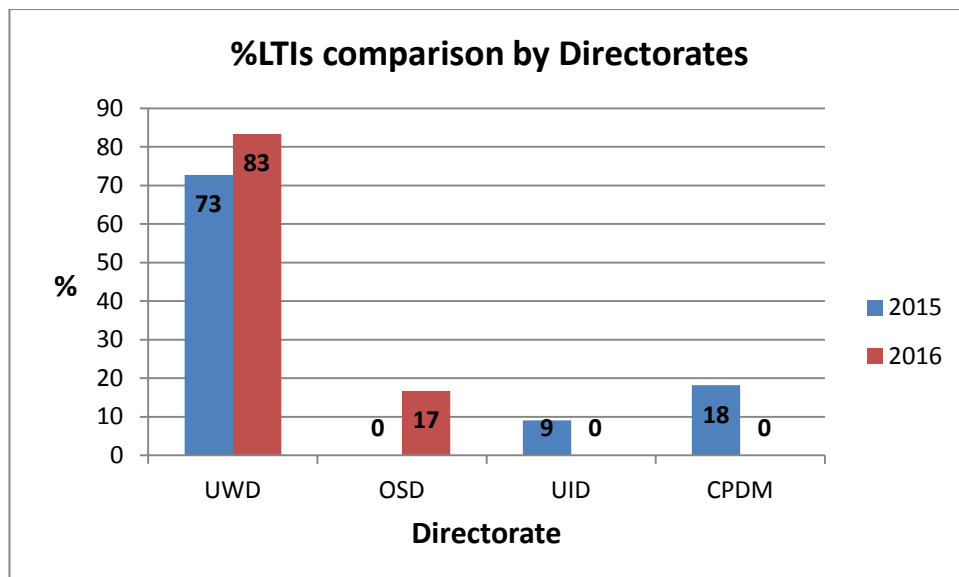
## 2. Analysis

### 2.1 Directorate Analysis

#### 2.1.1 Directorate Breakdown

Directorate	Q1			YTD		
	2016	2015	% (-/+)	2016	2015	% (-/+)
UWD	5	8	-37.5	5	8	-37.5
OSD	1	0	+100	1	0	+100
OND	0	0	0	0	0	0
XD	0	0	0	0	0	0
UID	0	1	-100	0	1	-100
GD	0	0	0	0	0	0
UEOD	0	0	0	0	0	0
CPDM	0	2	-100	0	2	-100
Total	6	11	-45.5	6	11	-45.5

#### 2.1.2 PDO % LTI Profile by Directorate – Q1 2016/Q1 2015



## 2.2 LTIs per Operational Teams YTD

UWD	3- UWO, 1-OSPTW, 1-UWB
OSD	1-OSE

## 2.3 PDO v Contractor YTD:

6	PDO contractors
0	PDO employee

## 2.4 Contractor information YTD

There are 6 contractors who suffered LTI incident YTD. The breakdown is as follows:

1 incident	Ensign, Weatherford, Schlumberger, NDSC, Al Nahdah, GPS
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## 2.5 LTI Incidents Descriptions YTD

Crushed while loading a gas cylinder resulting in finger amputation.
Fall from height of 1.5 m resulting in fractured ankle.
Trapped by a mud pump liner resulting in tip finger amputation.
Fall from height of 1.5 m resulting in fractured ankle.
Fall from height of 1.3 m resulting in fractured forearm.
Struck by the pup joint resulting in fractured big toe.

## 2.6 Incident classification YTD

Type of Incident causing LTI	No of LTIs YTD 2016	No of LTIs YTD 2015	% change from 2015
Crush/Trapped	2	4	-50
Slip, Trip, Fall	0	4	-100
Fall from height	3	1	+300
Struck by object	1	2	-50
Total	6	11	-45.5

## 2.7 Actual Severity YTD

		Q1 2016	Q1 2015
a.	Severity 2 (minor injury)	0	0
b.	Severity 3 (major injury)	6	10
c.	Severity 4 (fatality)	0	1

## 2.8 Potential Severity YTD

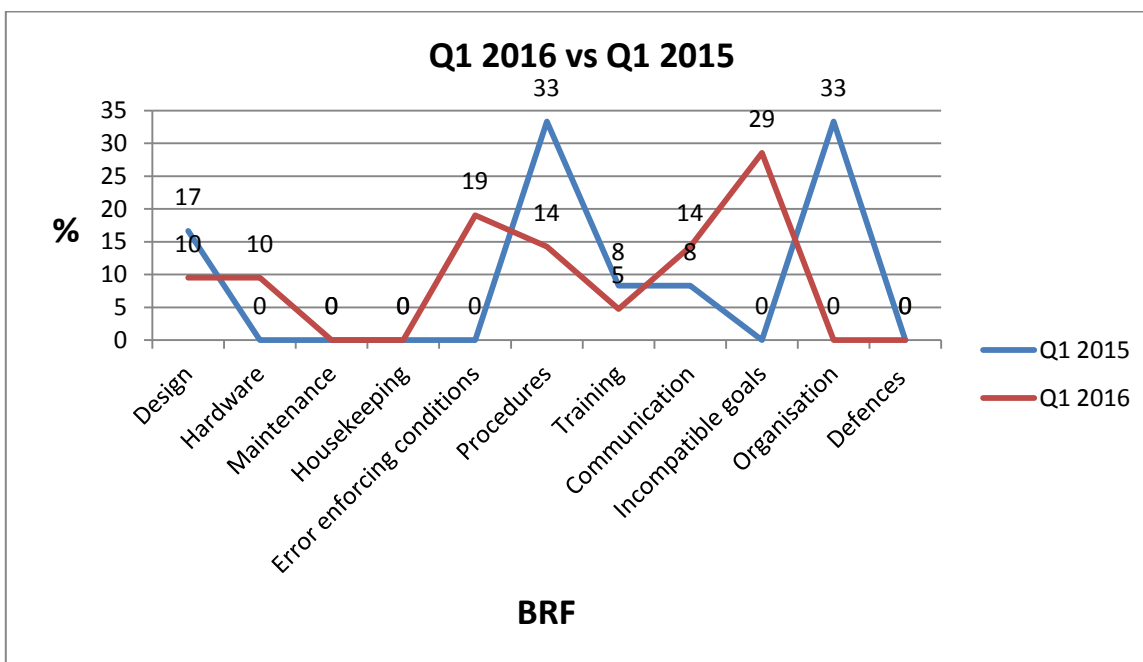
		Q1 2016	Q1 2015
B3	Major injury, heard of in the industry	0	0
C3	Major injury, has happened in the company	6	10
C4	Fatal injury, has happened in the company	0	1
D2	Minor injury, has happened more than once a year in the company	0	0
D3	Major injury, has happened more than once a year in the company	0	0
D4	PTD or up to 3 fatality, has happened more than once in the industry	0	0

## 2.9 BASIC RISK FACTORS (BRF's) YTD

### 2.9.1 Comparison table of the BRF Q1 2016 – Q1 2015

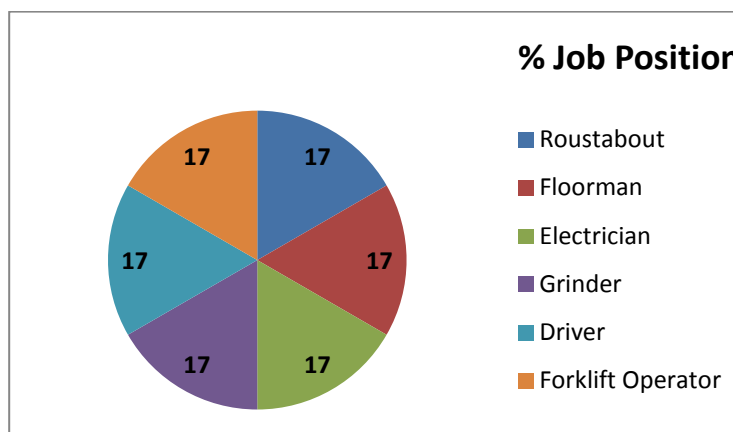
BRF	Q1 2016	Q1 2015	% Change
Design	10	17	-7
Hardware	10	0	10
Error enforcing conditions	19	0	19
Procedures	14	33	-19
Training	5	8	-3
Communication	14	8	6
Incompatible goals	29	0	29
Organization	0	33	-33
Defences	0	0	0
Maintenance	0	0	0
Housekeeping	0	0	0
Total	100	100	-

### 2.9.2 Comparison graph of the BRF



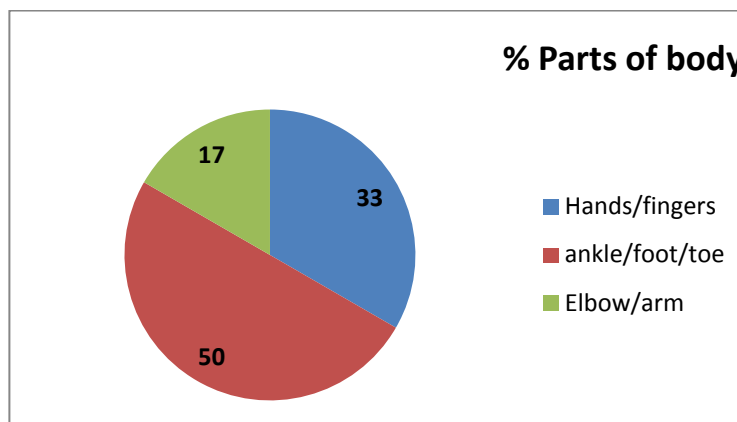
### 2.10 Job positions YTD-

Roustabout	1
Floorman	1
Electrician	1
Grinder	1
Driver	1
Forklift Operator	1



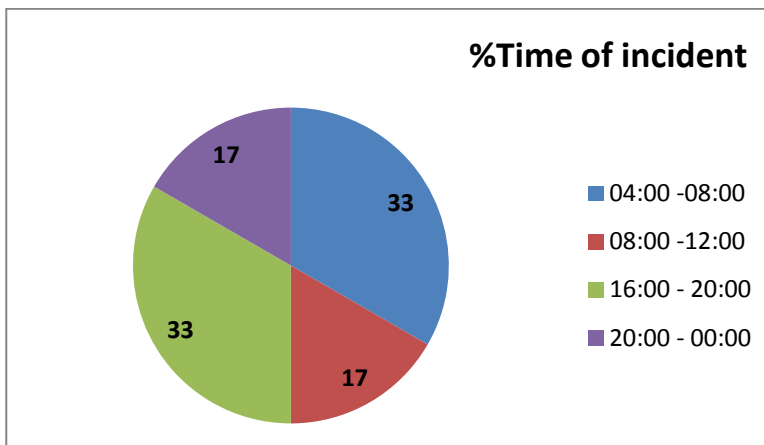
### 2.11 Parts of body injured YTD

Hands/fingers	2
Ankle/foot/toe	3
Elbow/arm	1



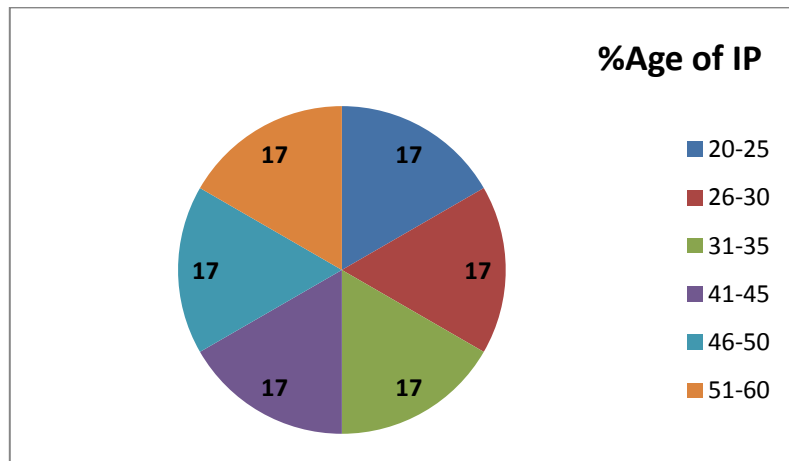
### 2.12 Time of incidents YTD

00:00-04:00	0
04:00 -08:00	2
08:00 -12:00	1
12:00 - 16:00	0
16:00 - 20:00	2
20:00 - 00:00	1



### 2.13 Age of IP YTD

20-25	1
26-30	1
31-35	1
36-40	0
41-45	1
46-50	1
51-60	1



## 3. Conclusion

A very good start to the year, which has seen a completely different incident profile, with falls from height constituting half of our LTI performance and we have suffered only two finger injuries. The main cause of incidents has been from organizational issues namely supervision and poorly adopted procedures. All other parameters displayed no clustering.



## End of Analysis