





# Summary of Occupational Incidents (Middle East Water Totals)

Issued 1 July 2017



# **Table of Contents**

(Table of Contents is Hyperlinked, Just click on Topic & go)

IADC 2016 MIDDLE EAST WATER TOTALS (TABLE 1)	1
Middle East Water Total Incidence Rates vs Man-hours (Figure 1)	1
IADC 2016 MIDDLE EAST WATER CHARTS	2
Middle East Water Total Lost Time Incidents by Month (Chart 1)	2
Middle East Water Total Recordable Incidents by Month (Chart 2)	3
Middle East Water Total Lost Time Incidents by Occupation (Chart 3)	4
Middle East Water Total Recordable Incidents by Occupation (Chart 4)	5
Middle East Water Total Lost Time Incidents by Body Part (Chart 5)	6
Middle East Water Total Recordable Incidents by Body Part (Chart 6)	7
Middle East Water Total Lost Time Incidents by Incident Type (Chart 7)	8
Middle East Water Total Recordable Incidents by Incident Type (Chart 8)	9
Middle East Water Total Lost Time Incidents by Equipment (Chart 9)	10
Middle East Water Total Recordable Incidents by Equipment (Chart 10)	11
Middle East Water Total Lost Time Incidents by Operation (Chart 11)	12
Middle East Water Total Recordable Incidents by Operation (Chart 12)	13
Middle East Water Total Lost Time Incidents by Location (Chart 13)	14
Middle East Water Total Recordable Incidents by Location (Chart 14)	15
Middle East Water Total Lost Time Incidents by Time in Service (Chart 15)	16
Middle East Water Total Recordable Incidents by Time in Service (Chart 16)	17
Middle East Water Total Lost Time Incidents by Time of Day (Chart 17)	18
Middle East Water Total Recordable Incidents by Time of Day (Chart 18)	19
Middle East Water Total Lost Time Incidents by Age (Chart 19)	
Middle East Water Total Recordable Incidents by Age(Chart 20)	21



### IADC 2016 Middle East Water Totals (Table 1)

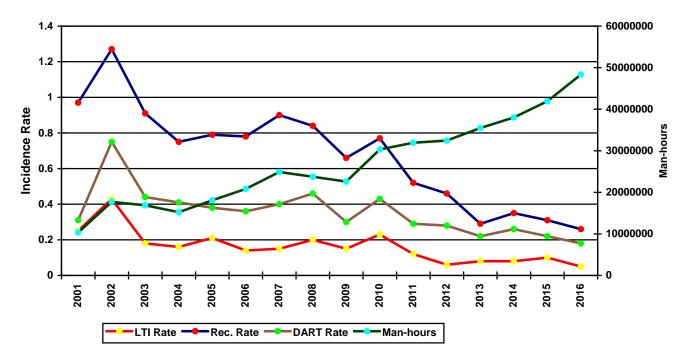
	lotal
Total Man-hours	48,357,670
Total Medical Treatment Incidents	19
Total Restricted Work Incidents	31
Total Lost Time Incidents	13
Total Fatalities	0
Total Recordables	63
MTO Incidence Rate	0.08
RWC Incidence Rate	0.13
LTI Incidence Rate	0.05
LTI Frequency Rate	0.27
DART Incidence Rate	0.18
DART Frequency Rate	0.91
Recordable Incidence Rate	0.26
Recordable Frequency Rate	1.30

Companies Reporting: Water - 19

Medical Treatment Incidence Rate = MTOs X 200,000 Restricted Work Incidence Rate = RWCs X 200,000 Lost Time Incidence Rate = LTIs + FTLs X 200,000 DART Incidence Rate = LTIs + RWC X 200,000 Recordable Incidence Rate = RCRD X 200,000

Lost Time Frequency Rate = LTIs +FTLs X 1,000,000 DART Frequency Rate = LTIs + RWC X 1,000,000 Recordable Frequency Rate = RCRD X 1,000,000

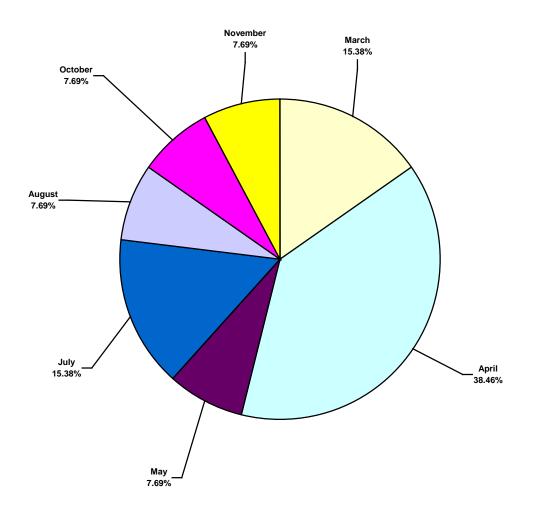
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#### Middle East Water Total Incidence Rates vs Man-hours (Figure 1)

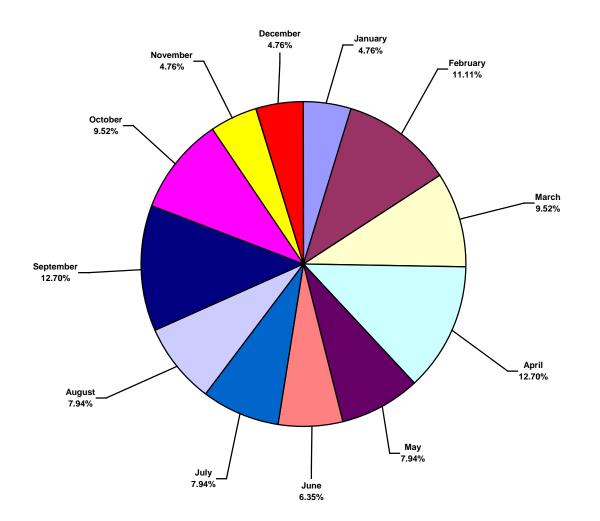


#### IADC 2016 Middle East Water Charts Middle East Water Total Lost Time Incidents by Month (Chart 1) Based on 13 Incidents



2





#### Middle East Water Total Recordable Incidents by Month (Chart 2) Based on 63 Incidents



# Welder 7.69% \_Roustabout (Lease Hand) 15.38% Crane Operator (Forklift Operator) 7.69% Toolpusher (Asst.TP, Tourpusher)\_ 15.38% Floorman 30.77% Driller (Asst. Dr.) 7.69% Derrickman 15.38%

#### Middle East Water Total Lost Time Incidents by Occupation (Chart 3) Based on 13 Incidents



#### Welder Catering Personnel (Camp Staff) 1.59% Maintenance Supervisor 1.59% 1.59% **Rig Helper** Deck Supervisor (Deck 3.17% Coordinator) 1.59% Crane Operator (Forklift Operator) 3.17% Roustabout (Lease Hand) Mechanic (Repair Technician) 22.22% 3.17% Electrician (Electronic Technician) 3.17% Toolpusher (Asst.TP, Tourpusher) 6.35% Floorman 23.81% Driller (Asst. Dr.) 14.29% Derrickman 14.29%

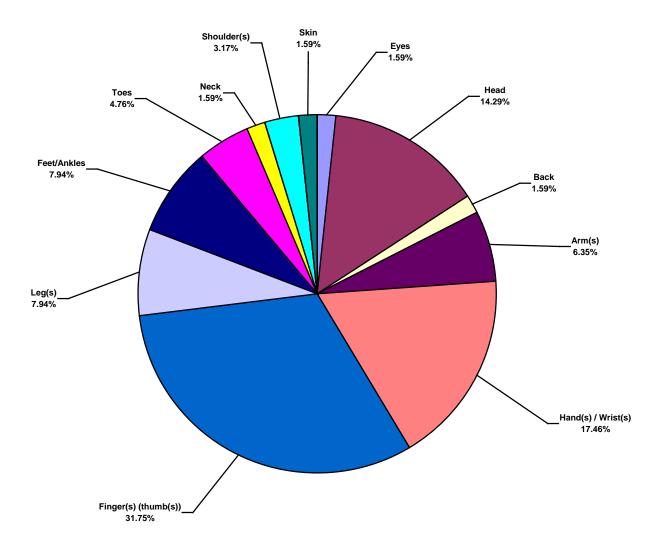
#### Middle East Water Total Recordable Incidents by Occupation (Chart 4) Based on 63 Incidents



# Skin 7.69% Neck 7.69% \_Arm(s) 30.77% Toes 15.38% Feet/Ankles 7.69% Hand(s) / Wrist(s) 23.08% Leg(s) 7.69%

#### Middle East Water Total Lost Time Incidents by Body Part (Chart 5) Based on 13 Incidents





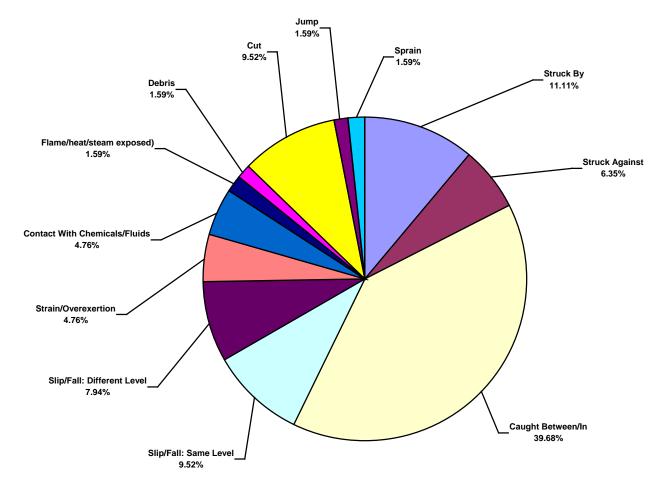
#### Middle East Water Total Recordable Incidents by Body Part (Chart 6) Based on 63 incidents



### Flame/heat/steam exposed) 7.69% Struck By 7.69% **Contact With Chemicals/Fluids** 7.69% Struck Against 7.69% Strain/Overexertion 7.69% Caught Between/In 15.38% Slip/Fall: Different Level 23.08% Slip/Fall: Same Level 23.08%

#### Middle East Water Total Lost Time Incidents by Incident Type (Chart 7) Based on 13 Incidents





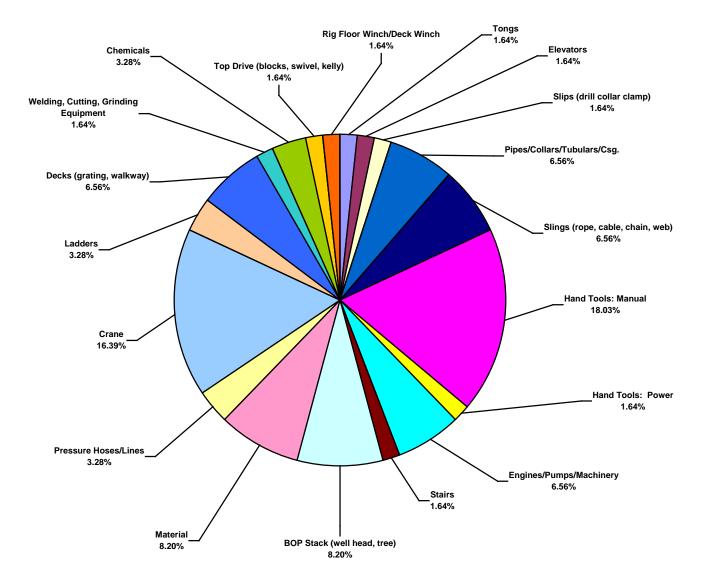
#### Middle East Water Total Recordable Incidents by Incident Type (Chart 8) Based on 63 Incidents



### Chemicals 7.69% Slings (rope, cable, chain, web) 7.69% Welding, Cutting, Grinding Equipment . 7.69% Engines/Pumps/Machinery 7.69% Decks (grating, walkway) 7.69% Well Control BOP Stack (well head, tree) 23.08% Ladders 15.38% Crane 7.69% Material 15.38%

#### Middle East Water Total Lost Time Incidents by Equipment (Chart 9) Based on 13 Incidents





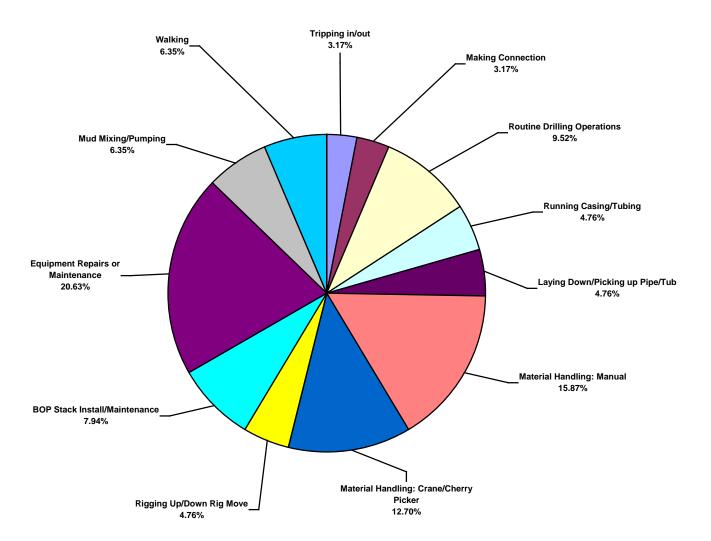
#### Middle East Water Total Recordable Incidents by Equipment (Chart 10) Based on 61 Incidents



## Walking 7.69% Routine Drilling Operations 23.08% Mud Mixing/Pumping 7.69% Equipment Repairs or Maintenance 23.08% Material Handling: Manual 7.69% Material Handling: Crane/Cherry Picker 15.38% BOP Stack Install/Maintenance 15.38%

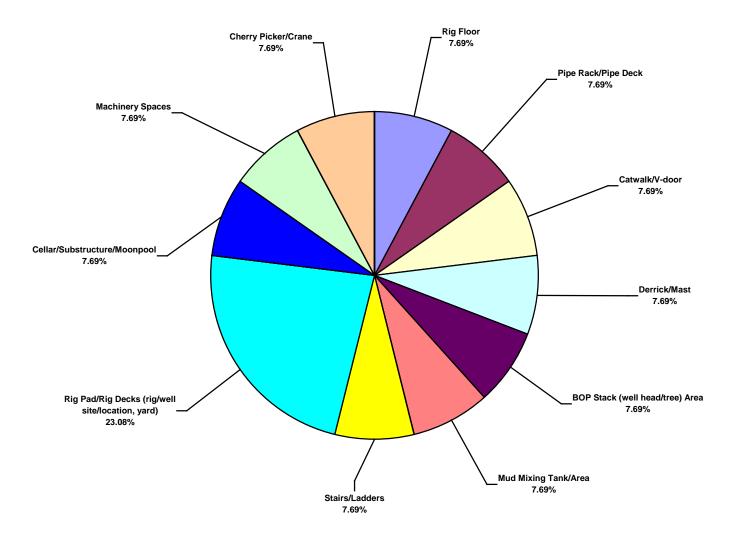
#### Middle East Water Total Lost Time Incidents by Operation (Chart 11) Based on 13 Incidents





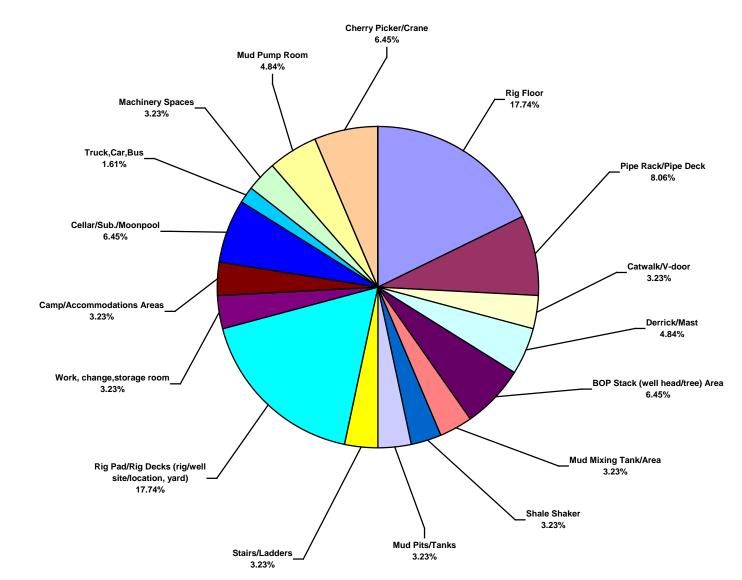
#### Middle East Water Total Recordable Incidents by Operation (Chart 12) Based on 63 Incidents





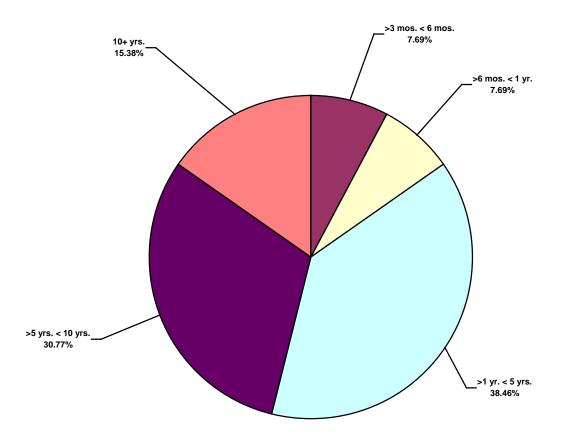
#### Middle East Water Total Lost Time Incidents by Location (Chart 13) Based on 13 Incidents





#### Middle East Water Total Recordable Incidents by Location (Chart 14) Based on 62 Incidents

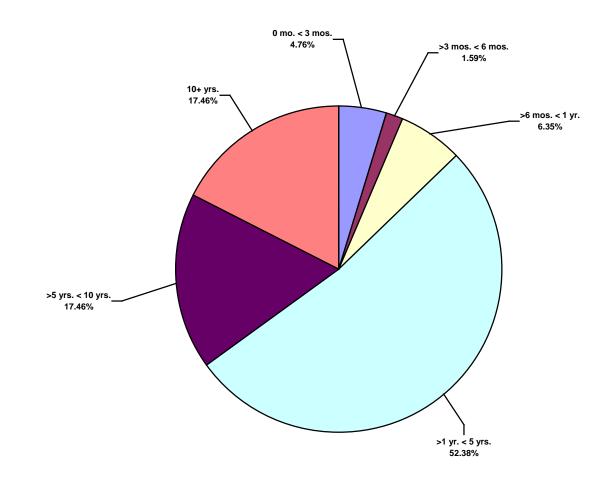




#### Middle East Water Total Lost Time Incidents by Time in Service (Chart 15) Based on 13 Incidents



#### Middle East Water Total Recordable Incidents by Time in Service (Chart 16) Based on 63 Incidents





### 20:00 1:00 15.38% 7.69% 6:00 7.69% 19:00 7.69% 9:00 7.69% 14:00 7.69% 10:00 15.38% 12:00 7.69% 11:00 23.08%

#### Middle East Water Total Lost Time Incidents by Time of Day (Chart 17) Based on 13 Incidents



#### 20:00 23:00 3.23% 1:00 3.23% 19:00 4:00 4.84% 3.23% 4.84% 18:00 1.61% 5:00 17:00 12.90% 4.84% 16:00 1.61% 6:00 3.23% 15:00 11.29% 7:00 3.23% 8:00 1.61% 14:00 6.45% 9:00 13:00 9.68% 1.61% 12:00 4.84% 10:00 11:00 11.29% 6.45%

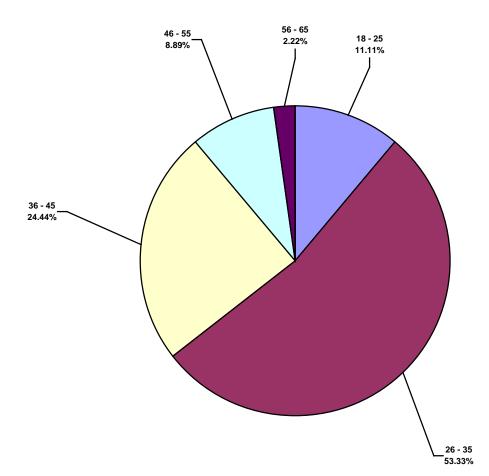
#### Middle East Water Total Recordable Incidents by Time of Day (Chart 18) Based on 62 Incidents



# 46 - 55 11.11% 18 - 25 22.22% 36 - 45 22.22% 26 - 35 44.44%

#### Middle East Water Total Lost Time Incidents by Age (Chart 19) Based on 9 Incidents





#### Middle East Water Total Recordable Incidents by Age (Chart 20) Based on 45 Incidents