





Summary of Occupational Incidents

(South America Water Totals)

Issued 20 May 2014



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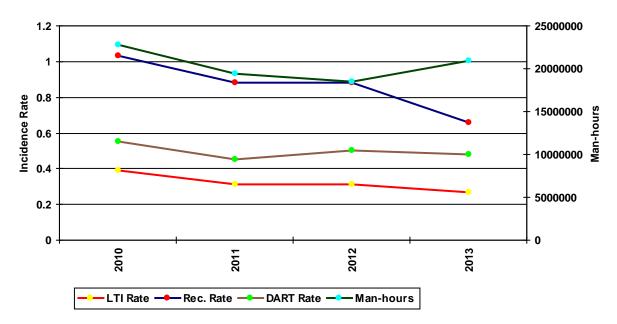
IADC 2013 South America Water Totals (Table 1)

	<u>Total</u>
Total Man-hours	20,976,133
Total Medical Treatment Incidents	19
Total Restricted Work Incidents	22
Total Lost Time Incidents	27
Total Fatalities	1
Total Recordables	69
MTO Incidence Rate	0.18
RWC Incidence Rate	0.21
LTI Incidence Rate	0.27
LTI Frequency Rate	1.33
DART Incidence Rate	0.48
DART Frequency Rate	2.38
Recordable Incidence Rate	0.66
Recordable Frequency Rate	3.29

Companies Reporting: Water - 13

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

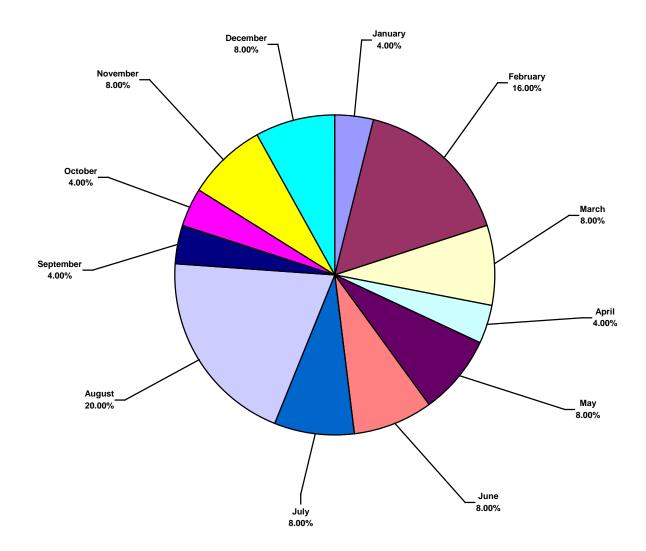
Lost Time Frequency Rate = LTIs +FTLs X 1,000,000 DART Frequency Rate = LTIs + RWC X 1,000,000 Recordable Frequency Rate = RCRD X 1,000,000



South America Water Total Incidence Rates vs Man-hours (Figure 1)

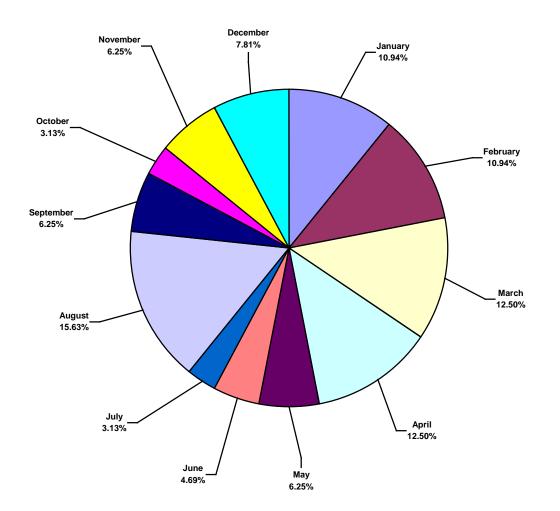


IADC 2013 South America Water Charts South America Water Total Lost Time Incidents by Month (Chart 1) Based on 25 Incidents



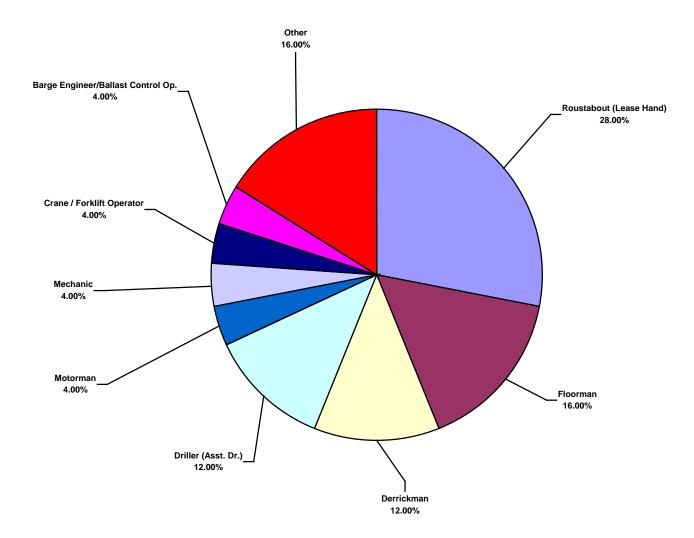


South America Water Total Recordable Incidents by Month (Chart 2) Based on 64 Incidents



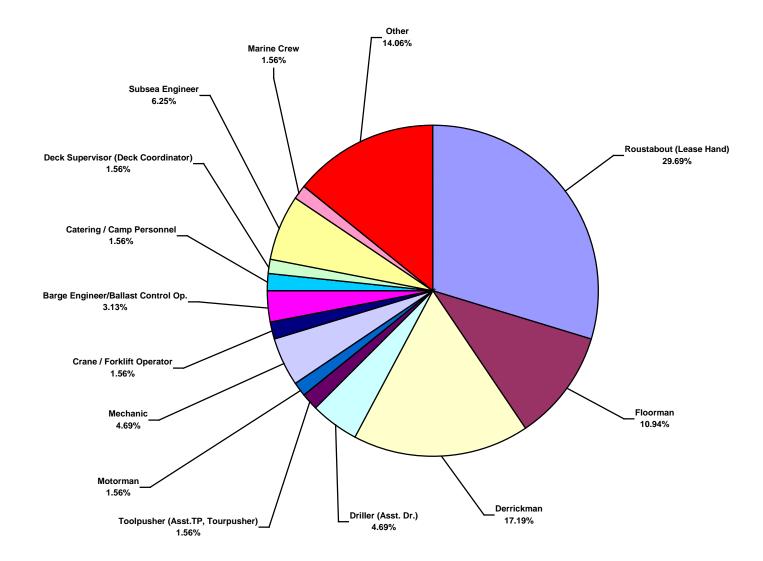


South America Water Total Lost Time Incidents by Occupation (Chart 3) Based on 25 Incidents

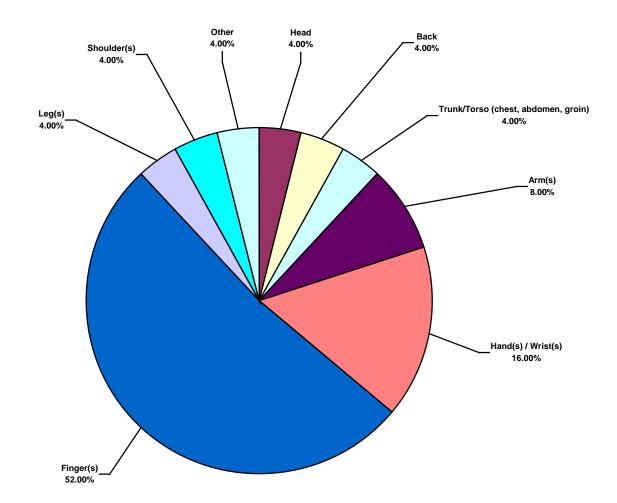




South America Water Total Recordable Incidents by Occupation (Chart 4) Based on 64 Incidents







South America Water Total Lost Time Incidents by Body Part (Chart 5) Based on 25 Incidents



Shoulder(s) 4.69% Other Eyes (eyelid) 3.13% 3.13% Feet/Ankles 3.13% Head 15.63% Leg(s) 1.56% Back 3.13% Trunk/Torso (chest, abdomen, groin) 1.56% Arm(s) 6.25% Finger(s) 40.63% Hand(s) / Wrist(s) 17.19%

South America Water Total Recordable Incidents by Body Part (Chart 6) Based on 64 Incidents



Cut 4.00% Caught On 4.00% Strain/Overexertion 4.00% Struck By 24.00% Slip/Fall: Different Level 8.00% Struck Against 12.00% Caught Between/In 44.00%

South America Water Total Lost Time Incidents by Incident Type (Chart 7) Based on 25 Incidents



Cut Caught On Debris 6.25% 1.56% 1.56% Strain/Overexertion 4.69% Struck By 28.13% Slip/Fall: Different Level 7.81% Slip/Fall: Same Level 4.69% Struck Against 4.69% Caught Between/In 40.63%

South America Water Total Recordable Incidents by Incident Type (Chart 8) Based on 64 Incidents



Elevators 8.00% Other 24.00% Pipes/Collars/Tubulars/Csg. 12.00% **Rig Floor Winch/Deck Winch** Slings (rope, cable, chain, web) (air/hydraulic) 8.00% 4.00% Top Drive (blocks, swivel, kelly) Hand Tools: Manual 4.00% 4.00% Decks (grating, walkway) Hand Tools: Power 4.00% 4.00% Crane 8.00% Engines/Pumps/Machinery 8.00% Pressure Hoses/Lines Material 4.00% Stairs 4.00% 4.00%

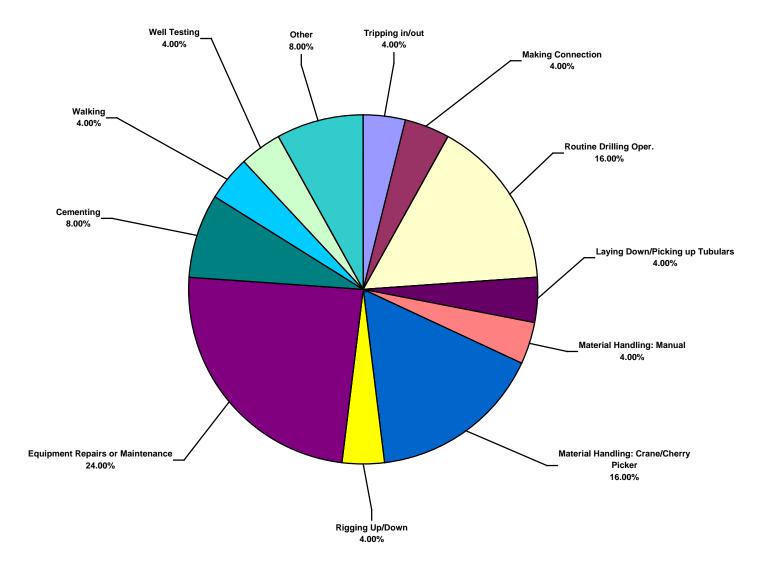
South America Water Total Lost Time Incidents by Equipment (Chart 9) Based on 25 Incidents



Tongs Elevators 1.56% Other 6.25% 20.31% Rig Floor Winch/Deck Winch Pipes/Collars/Tubulars/Csg. (air/hydraulic) 3.13% 14.06% Anchor Chains/Cables/Winches 3.13% Slings (rope, cable, chain, web) Top Drive (blocks, swivel, kelly) 9.38% 4.69% Chemicals (sack, drum, pail, bulk hopper) Hand Tools: Manual 1.56% 6.25% Decks (grating, walkway) 1.56% Hand Tools: Power 4.69% Crane 3.13% Ladders Engines/Pumps/Machinery 1.56% 4.69% Stairs Material 4.69% Pressure Hoses/Lines 6.25% 3.13%

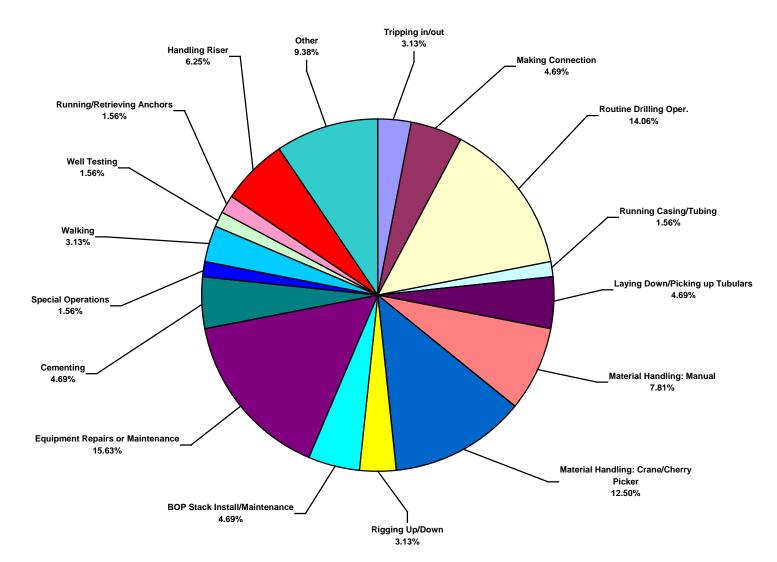
South America Water Total Recordable Incidents by Equipment (Chart 10) Based on 64 Incidents





South America Water Total Lost Time Incidents by Operation (Chart 11) Based on 25 Incidents





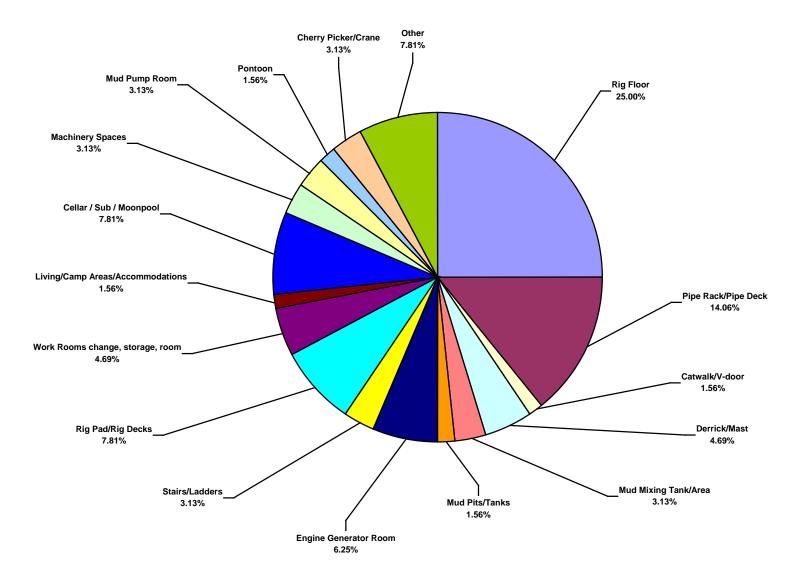
South America Water Total Recordable Incidents by Operation (Chart 12) Based on 64 Incidents



Other 16.00% Rig Floor Cherry Picker/Crane 28.00% 4.00% **Machinery Spaces** 4.00% Cellar / Sub / Moonpool 4.00% **Rig Pad/Rig Decks** 4.00% Pipe Rack/Pipe Deck 12.00% Stairs/Ladders 4.00% Catwalk/V-door 4.00% Engine Generator Room 8.00% Derrick/Mast Mud Mixing Tank/Area 8.00% 4.00%

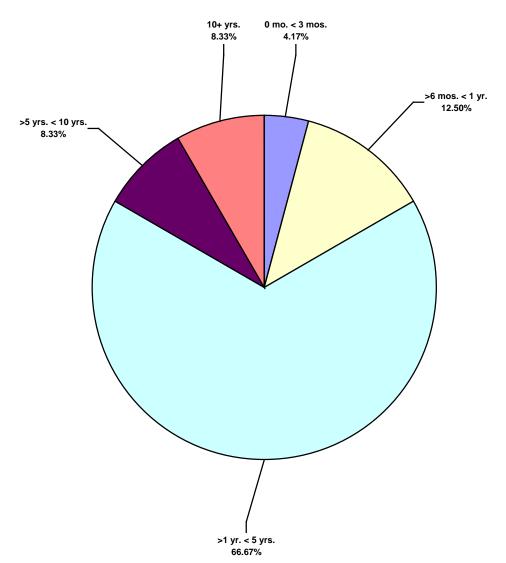
South America Water Total Lost Time Incidents by Location (Chart 13) Based on 25 Incidents





South America Water Total Recordable Incidents by Location (Chart 14) Based on 64 Incidents

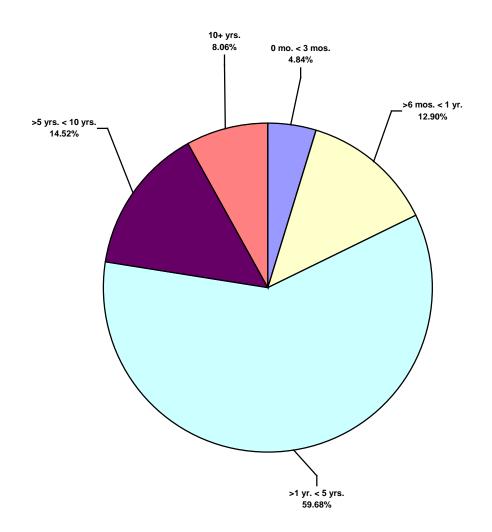




South America Water Total Lost Time Incidents by Time in Service (Chart 15) Based on 24 Incidents



South America Water Total Recordable Incidents by Time in Service (Chart 16) Based on 62 Incidents

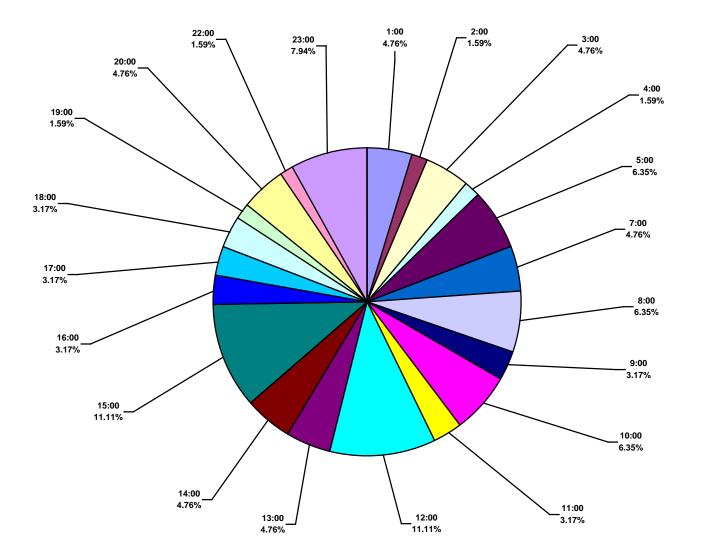




1:00 4.17% 3:00 23:00 4.17% 8.33% 5:00 20:00 12.50% 12.50% 7:00 4.17% 19:00 4.17% 10:00 4.17% 18:00 4.17% 11:00 4.17% 17:00 4.17% 12:00 4.17% 16:00 4.17% 13:00 4.17% 15:00 12.50% 14:00 8.33%

South America Water Total Lost Time Incidents by Time of Day (Chart 17) Based on 24 Incidents





South America Water Total Recordable Incidents by Time of Day (Chart 18) Based on 63 Incidents