IADC

IADC
ISP PROGRAM

2014

Summary of Occupational Incidents
(South America Water Totals)

Issued 15 June 2015
# Table of Contents

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

IADC 2014 SOUTH AMERICA WATER TOTALS (Table 1) ............................................................... 1

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

IADC 2014 SOUTH AMERICA WATER CHARTS ......................................................................... 2

South America Water Total Lost Time Incidents by Month (Chart 1) ............................................. 2
South America Water Total Recordable Incidents by Month (Chart 2) ......................................... 3
South America Water Total Lost Time Incidents by Occupation (Chart 3) ....................................... 4
South America Water Total Recordable Incidents by Occupation (Chart 4) ................................. 5
South America Water Total Lost Time Incidents by Body Part (Chart 5) ....................................... 6
South America Water Total Recordable Incidents by Body Part (Chart 6) ..................................... 7
South America Water Total Lost Time Incidents by Incident Type (Chart 7) ............................... 8
South America Water Total Recordable Incidents by Incident Type (Chart 8) ............................. 9
South America Water Total Lost Time Incidents by Equipment (Chart 9) .................................... 10
South America Water Total Recordable Incidents by Equipment (Chart 10) .............................. 11
South America Water Total Lost Time Incidents by Operation (Chart 11) ................................. 12
South America Water Total Recordable Incidents by Operation (Chart 12) ............................... 13
South America Water Total Lost Time Incidents by Location (Chart 13) ...................................... 14
South America Water Total Recordable Incidents by Location (Chart 14) ................................. 15
South America Water Total Lost Time Incidents by Time in Service (Chart 15) ............................ 16
South America Water Total Recordable Incidents by Time in Service (Chart 16) ......................... 17
South America Water Total Lost Time Incidents by Time of Day (Chart 17) .............................. 18
South America Water Total Recordable Incidents by Time of Day (Chart 18) ............................ 19
South America Water Total Lost Time Incidents by Age (Chart 19) .......................................... 20
South America Water Total Recordable Incidents by Age (Chart 20) ......................................... 21

IADC 2014 South America Water Participant Detail by Category .................................................... 22
IADC 2014 South America Water Totals

<table>
<thead>
<tr>
<th>Total</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Man-hours</td>
<td>20,327,008</td>
</tr>
<tr>
<td>Total Medical Treatment Incidents</td>
<td>16</td>
</tr>
<tr>
<td>Total Restricted Work Incidents</td>
<td>13</td>
</tr>
<tr>
<td>Total Lost Time Incidents</td>
<td>24</td>
</tr>
<tr>
<td>Total Fatalities</td>
<td>2</td>
</tr>
<tr>
<td>Total Recordables</td>
<td>55</td>
</tr>
</tbody>
</table>

MTO Incidence Rate 0.16
RWC Incidence Rate 0.13
LTI Incidence Rate 0.26
LTI Frequency Rate 1.28
DART Incidence Rate 0.38
DART Frequency Rate 1.92
Recordable Incidence Rate 0.54
Recordable Frequency Rate 2.71

Companies Reporting: Water – 14

Medical Treatment Incidence Rate = MTOs X 200,000
Restricted Work Incidence Rate = RWCs X 200,000
Lost Time Incidence Rate = LTIs X 200,000
Lost Time Frequency Rate = LTIs + FTLs X 1,000,000
DART Incidence Rate = LTIs + RWC X 200,000
DART Frequency Rate = LTIs + RWC X 1,000,000
Recordable Incidence Rate = RCRD X 200,000
Recordable Frequency Rate = RCRD X 1,000,000

South America Water Total Incidence Rates vs Man-hours (Figure 1)
IADC 2014 South America Water Charts

South America Water Total Lost Time Incidents by Month (Chart 1)
Based on 24 Incidents

- December: 4.17%
- November: 4.17%
- October: 8.33%
- September: 12.50%
- August: 8.33%
- July: 8.33%
- June: 8.33%
- May: 8.33%
- April: 4.17%
- March: 12.50%
- February: 12.50%
- January: 8.33%
South America Water Total Recordable Incidents by Month (Chart 2)
Based on 55 Incidents

- December: 1.82%
- November: 7.27%
- October: 7.27%
- September: 7.27%
- August: 7.27%
- July: 7.27%
- June: 10.91%
- May: 7.27%
- April: 7.27%
- March: 10.91%
- February: 12.73%
- January: 12.73%
- October: 7.27%
- September: 7.27%
South America Water Total Lost Time Incidents by Occupation (Chart 3)
Based on 24 Incidents

- Roustabout (Lease Hand): 16.67%
- Floorman: 12.50%
- Driller (Asst. Dr.): 16.67%
- Toolpusher (Asst.TP, Tourpusher): 4.17%
- Electrician: 8.33%
- Motorman: 4.17%
- Mechanic: 12.50%
- Deck Supervisor (Deck Coordinator): 4.17%
- Barge Engineer/Ballast Control Op.: 4.17%
- Welder: 4.17%
- Subsea Engineer: 4.17%
- Other: 8.33%
South America Water Total Recordable Incidents by Occupation (Chart 4)
Based on 55 Incidents
South America Water Total Lost Time Incidents by Body Part (Chart 5)
Based on 24 Incidents

- Finger(s) 58.33%
- Arm(s) 8.33%
- Hand(s) / Wrist(s) 8.33%
- Back 4.17%
- Trunk/Torso (chest, abdomen, groin) 4.17%
- Other 4.17%
- Feet/Ankles 8.33%
- Leg(s) 4.17%

---

Issued: 15 June 2015
Copyright © International Association of Drilling Contractors
South America Water Total Recordable Incidents by Body Part (Chart 6)
Based on 55 Incidents

- Finger(s): 47.27%
- Hand(s) / Wrist(s): 10.91%
- Arm(s): 7.27%
- Trunk/Torso (chest, abdomen, groin): 1.82%
- Toes: 1.82%
- Head: 9.09%
- Back: 5.45%
- Trunk/Torso (chest, abdomen, groin): 1.82%
- Leg(s): 3.64%
- Feet/Ankles: 9.09%
- Other: 3.64%
South America Water Total Lost Time Incidents by Incident Type (Chart 7)
Based on 24 Incidents

- Caught Between/In: 37.50%
- Struck By: 20.83%
- Struck Against: 8.33%
- Slip/Fall: Same Level: 16.67%
- Slip/Fall: Different Level: 4.17%
- Strain/Overexertion: 4.17%
- Flame/heat/steam (contact/exposed): 4.17%
- Cut: 4.17%
- Struck By: 20.83%
South America Water Total Recordable Incidents by Incident Type (Chart 8)
Based on 55 Incidents

- Caught Between/In: 34.55%
- Struck By: 20.00%
- Struck Against: 7.27%
- Slip/Fall: Different Level: 10.91%
- Slip/Fall: Same Level: 5.45%
- Strain/Overexertion: 3.64%
- Flame/heat/steam (contact/exposed): 1.82%
- Sprain: 1.82%
- Other: 9.09%
- Cut: 5.45%
- Struck By: 20.00%
South America Water Total Lost Time Incidents by Equipment (Chart 9)
Based on 24 Incidents

- Tongs: 8.33%
- Elevators: 8.33%
- Pipes/Collars/Tubulars/Csg.: 4.17%
- Trans.-Boat: 4.17%
- Engines/Pumps/Machinery: 4.17%
- Slings (rope, cable, chain, web): 4.17%
- Hand Tools: Power: 4.17%
- Welding, Cutting, Grinding Equipment: 4.17%
- Elevators: 8.33%
- Decks (grating, walkway): 8.33%
- Crane: 12.50%
- Elevators: 8.33%
- Top Drive (blocks, swivel, kelly): 8.33%
- Rig Floor Winch/Deck Winch (air/hydraulic): 4.17%
- Other: 25.00%

Based on 24 Incidents.
South America Water Total Recordable Incidents by Equipment (Chart 10)
Based on 55 Incidents

- Rig Floor Winch/Deck Winch (air/hydraulic) 3.64%
- Top Drive (blocks, swivel, kelly) 3.64%
- Welding, Cutting, Grinding Equipment 3.64%
- Decks (grating, walkway) 7.27%
- Crane 9.09%
- Material 1.82%
- Stairs 1.82%
- Boat 1.82%
- Engines/Pumps/Machinery 1.82%
- Slings (rope, cable, chain, web) 3.64%
- Welding, Cutting, Grinding Equipment 3.64%
- Pipes/Collars/Tubulars/Casing 7.27%
- Rotating 1.82%
- Elevators 5.45%
- Other 29.09%
South America Water Total Lost Time Incidents by Operation (Chart 11)
Based on 24 Incidents

- Rigging Up/Down: 4.17%
- Training: 4.17%
- Tripping in/out: 8.33%
- Routine Drilling Oper.: 4.17%
- Laying Down/Picking up Tubulars: 4.17%
- BOP Stack Install/Maintenance: 4.17%
- Walking: 4.17%
- Equipment Repairs or Maintenance: 33.33%
- Material Handling: Manual: 16.67%
- Material Handling: Crane/Cherry Picker: 12.50%
South America Water Total Recordable Incidents by Operation (Chart 12)
Based on 55 Incidents

- Equipment Repairs or Maintenance: 30.91%
- Material Handling: Manual: 12.73%
- Material Handling: Crane/Cherry Picker: 9.09%
- Laying Down/Picking up Tubulars: 5.45%
- BOP Stack Install/Maintenance: 1.82%
- Rigging Up/Down: 3.64%
- Training: 1.82%
- Walking: 5.45%
- Routine Drilling Oper.: 5.45%
- Making Connection: 3.64%
- Running Casing/Tubing: 1.82%
- Laying Down/Picking up Tubulars: 5.45%
- Equipment Repairs or Maintenance: 30.91%
- Other: 10.91%
- Tripping in/out: 7.27%
South America Water Total Lost Time Incidents by Location (Chart 13)
Based on 24 Incidents

- Rig Floor: 37.50%
- Other: 16.67%
- BOP Stack / well head / tree Area: 16.67%
- Pipe Rack / Pipe Deck: 16.67%
- Engine Generator Room: 4.17%
- Work Rooms change, storage, room: 4.17%
- Cellar / Sub / Moonpool: 8.33%
- Rig Pad / Rig Decks: 8.33%
South America Water Total Recordable Incidents by Location (Chart 14)
Based on 55 Incidents

- Rig Floor: 32.73%
- Pipe Rack/Pipe Deck: 14.55%
- Rig Pad/Rig Decks: 10.91%
- BOP Stack /well head/tree Area: 1.82%
- Engine Generator Room: 3.64%
- Cellar / Sub / Moonpool: 5.45%
- Work Rooms change, storage, room: 1.82%
- Living/Camp Areas/Accommodations: 1.82%
- Engine Generator Room: 3.64%
- Mud Pump Room: 3.64%
- Pontoon: 1.82%
- Cellar / Sub / Moonpool: 5.45%
- Other: 20.00%

Issued: 15 June 2015

Copyright © International Association of Drilling Contractors
South America Water Total Lost Time Incidents by Time in Service (Chart 15)
Based on 22 Incidents

- >1 yr. < 5 yrs. 50.00%
- >6 mos. < 1 yr. 18.18%
- >5 yrs. < 10 yrs. 18.18%
- 10+ yrs. 13.64%
South America Water Total Recordable Incidents by Time in Service (Chart 16)
Based on 49 Incidents

- 10+ yrs. 12.24%
- >5 yrs. < 10 yrs. 18.37%
- >6 mos. < 1 yr. 10.20%
- >1 yr. < 5 yrs. 55.10%
- 0 mo. < 3 mos. 4.08%
South America Water Total Lost Time Incidents by Time of Day (Chart 17)
Based on 24 Incidents

- 11:00 4.17%
- 12:00 4.17%
- 13:00 4.17%
- 14:00 8.33%
- 15:00 8.33%
- 16:00 8.33%
- 17:00 8.33%
- 18:00 8.33%
- 19:00 8.33%
- 20:00 8.33%
- 21:00 4.17%
- 22:00 4.17%
- 23:00 4.17%
- 00:00 8.33%
- 01:00 8.33%
- 02:00 4.17%
- 03:00 8.33%
South America Water Total Recordable Incidents by Time of Day (Chart 18)
Based on 53 Incidents

- 23:00: 7.55%
- 22:00: 1.89%
- 21:00: 5.66%
- 20:00: 7.55%
- 19:00: 1.89%
- 18:00: 1.89%
- 17:00: 7.55%
- 16:00: 9.43%
- 15:00: 5.66%
- 14:00: 3.77%
- 13:00: 5.66%
- 12:00: 3.77%
- 11:00: 7.55%
- 10:00: 1.89%
- 9:00: 3.77%
- 8:00: 1.89%
- 7:00: 5.66%
- 6:00: 3.77%
- 5:00: 1.89%
- 4:00: 3.77%
- 3:00: 3.77%
- 2:00: 3.77%
- 1:00: 3.77%
- 0:00: 3.77%
South America Water Total Lost Time Incidents by Age (Chart 19)
Based on 22 Incidents

- 18 - 25: 9.09%
- 26 - 35: 40.91%
- 36 - 45: 18.18%
- 46 - 55: 22.73%
- 56 - 65: 9.09%
South America Water Total Recordable Incidents by Age (Chart 20)
Based on 48 Incidents

- 26 - 35: 41.67%
- 36 - 45: 31.25%
- 46 - 55: 14.58%
- 56 - 65: 4.17%
- 18 - 25: 8.33%