Summary of Occupational Incidents
(South America Water Totals)

Issued 15 June 2019
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IADC 2018 South America Water Totals (Table 1)

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Man-hours</td>
<td>8,744,970</td>
</tr>
<tr>
<td>Total Medical Treatment Incidents</td>
<td>2</td>
</tr>
<tr>
<td>Total Restricted Work Incidents</td>
<td>5</td>
</tr>
<tr>
<td>Total Lost Time Incidents</td>
<td>6</td>
</tr>
<tr>
<td>Total Fatalities</td>
<td>0</td>
</tr>
<tr>
<td>Total Recordables</td>
<td>13</td>
</tr>
</tbody>
</table>

- MTO Incidence Rate: 0.05
- RWC Incidence Rate: 0.11
- LTI Incidence Rate: 0.14
- LTI Frequency Rate: 0.69
- DART Incidence Rate: 0.25
- DART Frequency Rate: 1.26
- Recordable Incidence Rate: 0.30
- Recordable Frequency Rate: 1.49

Companies Reporting: Water – 12

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

South America Water Total Incidence Rates vs Man-hours (Figure 1)
IADC 2018 South America Water Charts
South America Water Total Lost Time Incidents by Month (Chart 1)
Based on 7 Incidents

- October: 14.29%
- June: 28.57%
- May: 57.14%
South America Water Total Recordable Incidents by Month (Chart 2)
Based on 14 Incidents

- May: 35.71%
- June: 21.43%
- February: 14.29%
- March: 7.14%
- October: 7.14%
- September: 7.14%
- December: 7.14%
South America Water Total Lost Time Incidents by Occupation (Chart 3)
Based on 7 Incidents

- Floorman: 42.86%
- Roustabout (Lease Hand): 28.57%
- Mechanic: 14.29%
- Motorman: 14.29%
South America Water Total Recordable Incidents by Occupation (Chart 4)
Based on 14 Incidents

- Mechanic: 21.43%
- Roustabout (Lease Hand): 35.71%
- Floorman: 35.71%
- Motorman: 7.14%
South America Water Total Lost Time Incidents by Body Part (Chart 5)
Based on 7 Incidents

- Hand(s) / Wrist(s): 42.86%
- Back: 28.57%
- Finger(s): 14.29%
- Feet/Ankles: 14.29%
South America Water Total Recordable Incidents by Body Part (Chart 6)
Based on 14 Incidents

- Shoulder(s) 7.14%
- Head 7.14%
- Eyes (eyelid) 7.14%
- Hand(s) / Wrist(s) 21.43%
- Finger(s) 28.57%
- Back 21.43%
- Feet/Ankles 7.14%
South America Water Total Lost Time Incidents by Incident Type (Chart 7)
Based on 7 Incidents

- Struck By 28.57%
- Caught Between/In 28.57%
- Strain/Overexertion 28.57%
- Cut 14.29%
South America Water Total Recordable Incidents by Incident Type (Chart 8)
Based on 13 Incidents

- Cut: 7.69%
- Contact With Chemicals/Fluids: 7.69%
- Strain/Overexertion: 30.77%
- Caught Between/In: 23.08%
- Struck By: 30.77%
South America Water Total Lost Time Incidents by Equipment (Chart 9)
Based on 3 Incidents

- Engines/Pumps/Machinery: 33.33%
- Boat Cargo (skids, tubulars, containers, etc.): 33.33%
- Material: 33.33%
South America Water Total Recordable Incidents by Equipment (Chart 10)
Based on 8 Incidents

- Boat Cargo (skids, tubulars, containers, etc.) 12.50%
- Chemicals (sack, drum, pail, bulk hopper) 12.50%
- Helicopter 12.50%
- Slings (rope, cable, chain, web) 12.50%
- Hand Tools: Manual 12.50%
- Engines/Pumps/Machinery 12.50%
- Material 25.00%
- Helicopter 12.50%
South America Water Total Lost Time Incidents by Operation (Chart 11)
Based on 7 Incidents

- Routine Drilling Oper.: 14.29%
- Running Casing/Tubing: 14.29%
- Material Handling: Crane/Cherry Picker: 14.29%
- Mud Mixing/Pumping: 14.29%
- Handling Riser: 14.29%
- Tripping in/out: 14.29%
- Equipment Repairs or Maintenance: 14.29%
- Handling Riser: 14.29%
- Running Casing/Tubing: 14.29%
- Material Handling: Crane/Cherry Picker: 14.29%
- Mud Mixing/Pumping: 14.29%
- Routine Drilling Oper.: 14.29%
- Tripping in/out: 14.29%
- Equipment Repairs or Maintenance: 14.29%
South America Water Total Recordable Incidents by Operation (Chart 12)
Based on 13 Incidents

- Material Handling: Manual 15.38%
- Equipment Repairs or Maintenance 23.08%
- Routine Drilling Oper. 15.38%
- Handling Riser 7.69%
- Tripping in/out 7.69%
- Routine Drilling Oper. 15.38%
- Running Casing/Tubing 7.69%
- Material Handling: Crane/Cherry Picker 15.38%
- Mud Mixing/Pumping 7.69%
- Equipment Repairs or Maintenance 23.08%
- Handling Riser 7.69%
- Tripping in/out 7.69%

Issued: 15 June 2019
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South America Water Total Lost Time Incidents by Location (Chart 13)
Based on 7 Incidents

- Rig Floor: 42.86%
- Pipe Rack/Pipe Deck: 14.29%
- Cellar / Sub / Moonpool: 14.29%
- Rig Pad/Rig Decks: 14.29%
- Shale Shaker: 14.29%
South America Water Total Recordable Incidents by Location (Chart 14)
Based on 12 Incidents

Rig Floor 33.33%
Pipe Rack/Pipe Deck 16.67%
Mud Pump Room 8.33%
Rig Pad/Rig Decks 8.33%
Cellar / Sub / Moonpool 8.33%
Mud Pits/Tanks 8.33%
Shale Shaker 8.33%
Helicopter 8.33%
South America Water Total Lost Time Incidents by Time in Service (Chart 15)
Based on 3 Incidents

10+ yrs. 66.67%
>5 yrs. < 10 yrs. 33.33%
South America Water Total Recordable Incidents by Time in Service (Chart 16)
Based on 8 Incidents

- 0 mo. < 3 mos.: 12.50%
- >1 yr. < 5 yrs.: 12.50%
- >5 yrs. < 10 yrs.: 25.00%
- 10+ yrs.: 25.00%
South America Water Total Lost Time Incidents by Time of Day (Chart 17)
Based on 9 Incidents

- 16:00: 33.33%
- 11:00: 33.33%
- 5:00: 33.33%
- 11:00: 33.33%
South America Water Total Recordable Incidents by Time of Day (Chart 18)
Based on 8 Incidents

- 16:00: 12.50%
- 13:00: 25.00%
- 12:00: 12.50%
- 11:00: 12.50%
- 5:00: 25.00%
- 4:00: 12.50%
- 12:00: 12.50%
- 11:00: 12.50%
South America Water Total Lost Time Incidents by Age (Chart 19)
Based on 3 Incidents

- 36 - 45: 66.67%
- 56 - 65: 33.33%

Total: Based on 3 Incidents
South America Water Total Recordable Incidents by Age (Chart 20)
Based on 7 Incidents

- 36 - 45: 42.86%
- 26 - 35: 42.86%
- 56 - 65: 14.29%

Chart showing the distribution of incidents by age.