IADC
ISP PROGRAM
2015

Summary of Occupational Incidents
(Asia Pacific Land Totals)

Issued 15 July 2016
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IADC 2015 Asia Pacific Land Totals (Table 1)

<table>
<thead>
<tr>
<th>Total</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Total Man-hours</td>
<td>17,142,377</td>
</tr>
<tr>
<td>Total Medical Treatment Incidents</td>
<td>13</td>
</tr>
<tr>
<td>Total Restricted Work Incidents</td>
<td>7</td>
</tr>
<tr>
<td>Total Lost Time Incidents</td>
<td>9</td>
</tr>
<tr>
<td>Total Fatalities</td>
<td>0</td>
</tr>
<tr>
<td>Total Recordables</td>
<td>29</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>MTO Incidence Rate</td>
<td>0.15</td>
</tr>
<tr>
<td>RWC Incidence Rate</td>
<td>0.08</td>
</tr>
<tr>
<td>LTI Incidence Rate</td>
<td>0.11</td>
</tr>
<tr>
<td>LTI Frequency Rate</td>
<td>0.53</td>
</tr>
<tr>
<td>DART Incidence Rate</td>
<td>0.19</td>
</tr>
<tr>
<td>DART Frequency Rate</td>
<td>0.93</td>
</tr>
<tr>
<td>Recordable Incidence Rate</td>
<td>0.34</td>
</tr>
<tr>
<td>Recordable Frequency Rate</td>
<td>1.69</td>
</tr>
</tbody>
</table>

**Companies Reporting:** Land – 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

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Asia Pacific Land Total Incidence Rates vs Man-hours (Figure 1)
IADC 2015 Asia Pacific Land Charts
Asia Pacific Land Total Lost Time Incidents by Month (Chart 1)
Based on 9 Incidents

February 11.11%
May 33.33%
September 22.22%
October 11.11%
November 22.22%

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Asia Pacific Land Total Recordable Incidents by Month (Chart 2)
Based on 29 Incidents

- December: 6.90%
- November: 13.79%
- October: 6.90%
- September: 13.79%
- August: 13.79%
- June: 6.90%
- May: 13.79%
- April: 3.45%
- March: 3.45%
- February: 6.90%
- January: 10.34%
Asia Pacific Land Total Lost Time Incidents by Occupation (Chart 3)
Based on 9 Incidents

- Mechanic 11.11%
- Toolpusher (Asst.TP, Tourpusher) 11.11%
- Driller (Asst. Dr.) 22.22%
- Derrickman 22.22%
- Floorman 22.22%
- Roustabout (Lease Hand) 11.11%
Asia Pacific Land Total Recordable Incidents by Occupation (Chart 4)
Based on 28 Incidents

- Maintenance Supervisor: 3.57%
- Superintendent / other Supervisors: 10.71%
- Mechanic: 7.14%
- Motorman: 3.57%
- Electrician (Electronic Technician): 7.14%
- Toolpusher (Asst.TP, Tourpusher): 3.57%
- Driller (Asst. Dr.): 14.29%
- Derrickman: 7.14%
- Floorman: 32.14%
- Roustabout (Lease Hand): 10.71%
Asia Pacific Land Total Lost Time Incidents by Body Part (Chart 5)
Based on 9 Incidents

Toes 11.11%
Feet/Ankles 11.11%
Finger(s) 11.11%
Trunk/Torso (chest, abdomen, groin) 11.11%
Back 22.22%
Head 33.33%
Asia Pacific Land Total Recordable Incidents by Body Part (Chart 6)
Based on 29 Incidents

- Finger(s) 44.83%
- Hand(s) / Wrist(s) 10.34%
- Trunk/Torso (chest, abdomen, groin) 3.45%
- Back 6.90%
- Head 20.69%
- Feet/Ankles 6.90%
- Leg(s) 3.45%
- Toes 3.45%
Asia Pacific Land Total Lost Time Incidents by Incident Type (Chart 7)
Based on 9 Incidents

- Caught Between/In: 22.22%
- Struck By: 22.22%
- Slip/Fall: Same Level: 22.22%
- Struck Against: 22.22%
- Slip/Fall: Different Level: 11.11%
Asia Pacific Land Total Recordable Incidents by Incident Type (Chart 8)
Based on 29 Incidents

- Struck Against: 10.34%
- Slip/Fall: Same Level: 13.79%
- Slip/Fall: Different Level: 3.45%
- Cut: 10.34%
- Jump: 3.45%
- Struck By: 24.14%
- Caught Between/In: 34.48%
Asia Pacific Land Total Lost Time Incidents by Equipment (Chart 9)
Based on 8 Incidents

- Pressure Hoses/Lines: 25.00%
- Top Drive (blocks, swivel, kelly): 25.00%
- Crane: 12.50%
- Stairs: 12.50%
- Hand Tools: Manual: 12.50%
- Cathead/Drawworks: 12.50%
Asia Pacific Land Total Lost Time Incidents by Operation (Chart 11)
Based on 9 Incidents

- Rigging Up/Down (rig move preparation, rig move): 44.44%
- Tripping in/out (makeup/brakeout BHA, test tools, etc.): 11.11%
- Routine Drilling Operations: 11.11%
- Rig/Equipment Repairs or Maintenance: 11.11%
- Special Operations (wireline, perforating, etc.): 11.11%
- Walking: 11.11%
Asia Pacific Land Total Recordable Incidents by Operation (Chart 12)
Based on 28 Incidents

- Walking: 7.14%
- Tripping in/out (makeup/brakeout BHA, test tools, etc.): 14.29%
- Making Connection: 3.57%
- Routine Drilling Operations: 14.29%
- Material Handling: Manual: 3.57%
- Material Handling Crane/Cherry Picker: 7.14%
- Rigging Up/Down (rig move preparation, rig move): 25.00%
- Well Control (BOP) Stack (well head/tree) Install/Maintenance: 3.57%
- Material Handling: Crane/Cherry Picker: 7.14%
- Rigging Equipment Repairs or Maintenance: 14.29%
- Cementing: 3.57%
- Special Operations (wireline, perforating, etc.): 3.57%
Asia Pacific Land Total Lost Time Incidents by Location (Chart 13)
Based on 9 Incidents

- Mud Pits/Tanks: 33.33%
- Rig Pad/Rig Decks: 22.22%
- Mud Pump Room: 11.11%
- Rig Floor (rotary, pipe set back area): 11.11%
- Derrick/Mast (crown, monkey/stabbing board, a-frame): 22.22%
- Rig Floor (rotary, pipe set back area): 11.11%
Asia Pacific Land Total Recordable Incidents by Location (Chart 14)
Based on 29 Incidents

- Cellar / Substructure / Moonpool: 6.90%
- Living/Camp Areas/Accommodations: 3.45%
- Work Rooms (change house, storage house/room): 10.34%
- Machinery Spaces: 3.45%
- Cherry Picker/Crane: 3.45%
- Rig Floor (rotary, pipe set back area): 27.59%
- Rig Pad/Rig Decks: 13.79%
- Mud Pits/Tanks: 10.34%
- Well Control (BOP) Stack (well head/tree) Area: 3.45%
- Derrick/Mast (crown, monkey/stabbing board, a-frame): 6.90%
- Catwalk/V-door: 3.45%
- Pipe Rack/Pipe Deck: 3.45%
- Rig Floor (rotary, pipe set back area): 27.59%
Asia Pacific Land Total Lost Time Incidents by Time in Service (Chart 15)
Based on 9 Incidents

- 10+ yrs., 11.11%
- >6 mos. < 1 yr., 33.33%
- >5 yrs. < 10 yrs., 22.22%
- >1 yr. < 5 yrs., 33.33%
Asia Pacific Land Total Recordable Incidents by Time in Service (Chart 16)
Based on 29 Incidents

0 mo. < 3 mos. 6.90%
>3 mos. < 6 mos. 3.45%
>6 mos. < 1 yr. 24.14%
>1 yr. < 5 yrs. 31.03%
>5 yrs. < 10 yrs. 20.69%
10+ yrs. 13.79%

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Asia Pacific Land Total Lost Time Incidents by Time of Day (Chart 17)
Based on 9 Incidents

- 23:00: 11.11%
- 3:00: 11.11%
- 6:00: 22.22%
- 12:00: 11.11%
- 13:00: 11.11%
- 18:00: 11.11%
- 19:00: 22.22%
- 23:00: 11.11%
Asia Pacific Land Total Lost Time Incidents by Age (Chart 19)
Based on 9 Incidents

- 18 - 25: 22.22%
- 26 - 35: 44.44%
- 36 - 45: 11.11%
- 46 - 55: 11.11%
- 56 - 65: 11.11%
Asia Pacific Land Total Recordable Incidents by Age (Chart 20)
Based on 28 Incidents

- 26 - 35: 57.14%
- 18 - 25: 10.71%
- 66 & Above: 3.57%
- 56 - 65: 7.14%
- 46 - 55: 7.14%
- 36 - 45: 14.29%