Summary of Occupational Incidents
(Asia Pacific Land Totals)

Issued 20 May 2014
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IADC 2013 Asia Pacific Land Totals (Table 1)

<table>
<thead>
<tr>
<th>Total</th>
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<tr>
<td>Total Man-hours</td>
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<tr>
<td>Total Restricted Work Incidents</td>
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<tr>
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<td>Total Fatalities</td>
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<tr>
<td>Recordable Incidence Rate</td>
</tr>
<tr>
<td>Recordable Frequency Rate</td>
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</tbody>
</table>

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

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<thead>
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<th>Incidence Rate</th>
<th>Frequency Rate</th>
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<tbody>
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<td>Man-hours</td>
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</table>

Companies Reporting: Land – 16

Asia Pacific Land Total Incidence Rates vs Man-hours (Figure 1)
IADC 2013 Asia Pacific Land Charts

Asia Pacific Land Total Lost Time Incidents by Month (Chart 1)
Based on 21 Incidents

January 14.29%
March 9.52%
April 9.52%
May 4.76%
June 4.76%
July 4.76%
September 14.29%
October 19.05%
November 9.52%
December 9.52%

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Asia Pacific Land Total Recordable Incidents by Month (Chart 2)
Based on 107 Incidents
Asia Pacific Land Total Lost Time Incidents by Occupation (Chart 3)
Based on 21 Incidents

- Roustabout (Lease Hand): 9.52%
- Derrickman: 33.33%
- Driller (Asst. Dr.): 4.76%
- Toolpusher (Asst.TP, Tourpusher): 4.76%
- Motorman: 4.76%
- Mechanic: 4.76%
- Truck Driver (Truck Pusher): 4.76%
- Welder: 4.76%
- Marine Crew: 4.76%
- Floorman: 14.29%
- Other: 4.76%
- Roustabout (Lease Hand): 4.76%
Asia Pacific Land Total Recordable Incidents by Occupation (Chart 4)
Based on 107 Incidents

- Floorman: 30.84%
- Roustabout (Lease Hand): 15.89%
- Driller (Asst. Dr.): 8.41%
- Derrickman: 9.35%
- Toolpusher (Asst.TP, Tourpusher): 0.93%
- Motorman: 5.61%
- Electrician (Electronic Technician): 2.80%
- Crane Operator (Forklift Operator): 1.87%
- Mechanic: 4.67%
- Truck Driver (Truck Pusher): 0.93%
- Catering Personnel (Camp Staff): 3.74%
- Welder: 5.61%
- Truck Helper: 0.93%
- Marine Crew: 0.93%
- Other: 7.48%

Based on 107 Incidents
Asia Pacific Land Total Lost Time Incidents by Body Part (Chart 5)
Based on 21 Incidents

Knee(s) 9.52%
Leg(s) 33.33%
Feet/Ankles 14.29%
Head 9.52%
Back 4.76%
Trunk/Torso (chest, abdomen, groin) 4.76%
Hand(s) / Wrist(s) 9.52%
Finger(s) 4.76%
Other 4.76%
Eyes (eyelid) 4.76%

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Asia Pacific Land Total Recordable Incidents by Body Part (Chart 6)
Based on 107 Incidents

- Finger(s) 21.50%
- Hand(s) / Wrist(s) 14.02%
- Arm(s) 3.74%
- Trunk/Torso (chest, abdomen, groin) 3.74%
- Back 7.48%
- Head 14.02%
- Eyes (eyelid) 3.74%
- Shoulder(s) 1.87%
- Toes 0.93%
- Feet/Ankles 12.15%
- Leg(s) 10.28%
- Knee(s) 4.67%
- Other 1.87%
- % based on 107 incidents.
Asia Pacific Land Total Lost Time Incidents by Incident Type (Chart 7)
Based on 21 Incidents

- Struck By: 42.86%
- Caught Between/In: 14.29%
- Slip/Fall: Same Level: 14.29%
- Slip/Fall: Different Level: 4.76%
- Other: 4.76%
- Jump: 4.76%
- Struck Against: 14.29%
- Slip/Fall: Different Level: 4.76%
Asia Pacific Land Total Recordable Incidents by Incident Type (Chart 8)
Based on 107 Incidents

- Caught Between/In: 25.23%
- Struck By: 28.04%
- Struck Against: 5.61%
- Strain/Overexertion: 6.54%
- Slip/Fall: Same Level: 9.35%
- Slip/Fall: Different Level: 4.67%
- Sprain: 6.54%
- Other: 1.87%
- Vehicle: 0.93%
- Flame/heat/steam (contact/exposed): 0.93%
- Contact With Chemicals/Fluids: 1.87%
- Cut: 6.54%
- Debris: 0.93%
- Jump: 0.93%
- Debris: 0.93%
- Other: 1.87%
Asia Pacific Land Total Lost Time Incidents by Equipment (Chart 9)
Based on 21 Incidents

- Other: 28.57%
- Boat Cargo (skids, tubulars, containers, etc.): 9.52%
- Top Drive (blocks, swivel, kelly): 4.76%
- Chemicals (sack, drum, pail, bulk hopper): 4.76%
- Crane: 9.52%
- Iron Roughneck, Pipe Spinner, etc.: 4.76%
- Pressure Hoses/Lines: 4.76%
- Slings (rope, cable, chain, web): 4.76%
- Hand Tools: Manual: 4.76%
- Car, truck, bus: 4.76%
- Stairs: 4.76%
- Pipes/Collars/Tubulars/Csg.: 4.76%
- Tongs: 4.76%
- Other: 28.57%
Asia Pacific Land Total Recordable Incidents by Equipment (Chart 10)
Based on 107 Incidents

- Rig Floor Winch/Deck Winch (air/hydraulic): 1.87%
- Anchor Chains/Cables/Winches: 0.93%
- Boat Cargo (skids, tubulars, containers, etc.): 1.87%
- Top Drive (blocks, swivel, kelly): 0.93%
- Chemicals (sack, drum, pail, bulk hopper): 2.80%
- Welding, Cutting, Grinding Equipment: 1.87%
- Ladders: 0.93%
- Decks (grating, walkway): 2.80%
- Forklift: 0.93%
- Crane: 2.80%
- Pressure Hoses/Lines: 8.41%
- Material: 2.80%
- Stairs: 5.61%
- Material: 2.80%
- Elevators: 1.87%
- Slips (drill collar clamp): 1.87%
- Iron Roughneck, Pipe Spinner, etc.: 2.80%
- Rotary: 0.93%
- Pipes/Collars/Tubulars/Csg.: 10.28%
- Slings (rope, cable, chain, web): 0.93%
- Hand Tools: Manual: 6.54%
- Hand Tools: Power: 1.87%
- Engines/Pumps/Machinery: 2.80%
- Boat: 0.93%
- Car, truck, bus: 0.93%
- Kelly Bushings (master bushings): 0.93%
Asia Pacific Land Total Lost Time Incidents by Operation (Chart 11)
Based on 21 Incidents

- **Rig/Equipment Repairs or Maintenance**: 14.29%
- **Well Control (BOP Stack (well head/tree) Install/Maintenance**: 4.76%
- **Running Casing/Tubing (rig up/down csg. tools)**: 4.76%
- **Routine Drilling Operations**: 14.29%
- **Material Handling: Crane/Cherry Picker**: 9.52%
- **Material Handling: Manual**: 9.52%
- **Mud Mixing/Pumping**: 4.76%
- **Rigging Up/Down (rig move preparation, rig move)**: 14.29%
- **Training**: 4.76%
- **Walking**: 9.52%
- **Other**: 9.52%
- **Routine Drilling Operations**: 14.29%

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Asia Pacific Land Total Recordable Incidents by Operation (Chart 12)
Based on 107 Incidents

- Routine Drilling Operations: 14.02%
- Rigging Up/Down: 12.15%
- Laying Down/Picking up Pipe/Tubulars: 1.87%
- Material Handling: Manual: 10.28%
- Training: 0.93%
- Mud Mixing/Pumping: 6.54%
- Rig/Equipment Repairs or Maintenance: 11.21%
- Well Control (BOP) Stack (well head/tree) Install/Maintenance: 2.80%
- Rigging Up/Down (rig move preparation, rig move): 12.15%
- Material Handling Rig Floor Winch: 0.93%
- Material Handling Crane/Cherry Picker: 2.80%
- Material Handling Forklift: 1.87%
- Materials Handling: Crane/Cherry Picker: 2.80%
- Laying Down/Picking up Pipe/Tubulars: 1.87%
- Well Control (BOP) Stack (well head/tree) Install/Maintenance: 2.80%
- Rigging Up/Down (rig move preparation, rig move): 12.15%
- Material Handling Rig Floor Winch: 0.93%
- Material Handling Crane/Cherry Picker: 2.80%
- Material Handling Forklift: 1.87%
- Rigging Up/Down: 12.15%
- Laying Down/Picking up Pipe/Tubulars: 1.87%
- Material Handling: Manual: 10.28%
- Training: 0.93%
- Mud Mixing/Pumping: 6.54%
- Rig/Equipment Repairs or Maintenance: 11.21%
- Well Control (BOP) Stack (well head/tree) Install/Maintenance: 2.80%
- Rigging Up/Down (rig move preparation, rig move): 12.15%
- Material Handling Rig Floor Winch: 0.93%
- Material Handling Crane/Cherry Picker: 2.80%
- Material Handling Forklift: 1.87%
Asia Pacific Land Total Lost Time Incidents by Location (Chart 13)
Based on 21 Incidents

- Rig Pad/Rig Decks 23.81%
- Cellar / Substructure / Moonpool 4.76%
- Living / Camp Areas / Accommodations 4.76%
- Work Rooms (change house, storage house/room) 9.52%
- Shale Shaker 4.76%
- Stairs/Ladders 9.52%
- Derrick/Mast (crown, monkey/stabbing board, a-frame) 4.76%
- Rig Floor (rotary, pipe set back area) 14.29%
- Pipe Rack/Pipe Deck 9.52%
- Other 14.29%

Based on 21 Incidents
Asia Pacific Land Total Recordable Incidents by Location (Chart 14)
Based on 107 Incidents

- Rig Floor (rotary, pipe set back area) - 28.04%
- Mud Mixing Tank/Area - 6.54%
- SCR/Electrical Room - 1.87%
- Shale Shaker - 1.87%
- Engine / Generator Rooms - 4.67%
- Mud Pits/Tanks - 4.67%
- Well Control (BOP) Stack (well head/tree) Area - 0.93%
- Derrick/Mast (crown, monkey/stabbing board, a-frame) - 5.61%
- Pipe Rack/Pipe Deck - 3.74%
- Living/Camp Areas/Accommodations - 3.74%
- Work Rooms (change house, storage house/room) - 4.67%
- Stairs/Ladders - 2.80%
- Fuel/Water Storage Tanks - 0.93%
- Mud Pump Room - 0.93%
- Machinery Spaces - 1.87%
- Cellar / Substructure / Moonpool - 5.61%
Asia Pacific Land Total Lost Time Incidents by Time in Service (Chart 15)
Based on 19 Incidents

- 0 mo. < 3 mos. 5.26%
- >3 mos. < 6 mos. 5.26%
- >6 mos. < 1 yr. 10.53%
- >1 yr. < 5 yrs. 68.42%
- >5 yrs. < 10 yrs. 5.26%
- 10+ yrs. 5.26%
Asia Pacific Land Total Recordable Incidents by Time in Service (Chart 16)
Based on 102 Incidents

- >1 yr. < 5 yrs. 52.94%
- >6 mos. < 1 yr. 13.73%
- >3 mos. < 6 mos. 19.61%
- >1 yr. < 10 yrs. 7.84%
- 0 mo. < 3 mos. 3.92%
- Other 0.98%
- 10+ yrs. 0.98%
Asia Pacific Land Total Lost Time Incidents by Time of Day (Chart 17)
Based on 19 Incidents

- 12:00: 5.26%
- 13:00: 10.53%
- 14:00: 21.05%
- 15:00: 10.53%
- 16:00: 5.26%
- 17:00: 5.26%
- 18:00: 5.26%
- 19:00: 5.26%
- 20:00: 5.26%
- 21:00: 5.26%
- 22:00: 5.26%
- 23:00: 5.26%
- 00:00: 5.26%
- 01:00: 5.26%
- 02:00: 5.26%
- 03:00: 5.26%
- 04:00: 5.26%
- 05:00: 5.26%
- 06:00: 5.26%
- 07:00: 5.26%
- 08:00: 5.26%
- 09:00: 15.79%
- 10:00: 21.05%
- 11:00: 21.05%

Asia Pacific Land Total Recordable Incidents by Time of Day (Chart 18)

Based on 103 Incidents

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