IADC

IADC
ISP PROGRAM

2016

Summary of Occupational Incidents
(Canada Land Totals)

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IADC 2016 Canada Land Totals (Table 1)

<table>
<thead>
<tr>
<th>Total</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Total Manhours</td>
<td>746,777</td>
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<tr>
<td>Total Medical Treatment Incidents</td>
<td>0</td>
</tr>
<tr>
<td>Total Restricted Work Incidents</td>
<td>3</td>
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<tr>
<td>Total Lost Time Incidents</td>
<td>2</td>
</tr>
<tr>
<td>Total Fatalities</td>
<td>0</td>
</tr>
<tr>
<td>Total Recordables</td>
<td>5</td>
</tr>
</tbody>
</table>

MTO Incidence Rate = 0.00
RWC Incidence Rate = 0.80
LTI Incidence Rate = 0.54
LTI Frequency Rate = 2.68
DART Incidence Rate = 1.34
DART Frequency Rate = 6.70
Recordable Incidence Rate = 1.34
Recordable Frequency Rate = 6.70

Companies Reporting: Land – 3

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
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

Canada Land Total Incidence Rates vs Man-hours (Figure 1)
IADC 2016 Canada Land Charts

Note: There were only two Lost Time Incident recorded for 2016, therefore there will not be any charts.

Canada Land Total Recordable Incidents by Month (Chart 1)

Based on 5 Incidents

- November: 40.00%
- June: 20.00%
- March: 20.00%
- January: 20.00%
Canada Land Total Recordable Incidents by Occupation (Chart 2)
Based on 5 Incidents

- Floorman: 20.00%
- Derrickman: 20.00%
- Driller (Asst. Dr.): 20.00%
- Motorman: 20.00%
- Superintendent/other Supervisors: 20.00%
Canada Land Total Recordable Incidents by Body Part (Chart 3)
Based on 5 Incidents

- Head: 20.00%
- Knee(s): 20.00%
- Leg(s): 20.00%
- Feet/Ankles: 40.00%
Canada Land Total Recordable Incidents by Incident Type (Chart 4)
Based on 5 Incidents

- Slip/Fall: Same Level: 20.00%
- Slip/Fall: Different Level: 40.00%
- Strain/Overexertion: 20.00%
- Flame/heat/steam (contact/exposed): 20.00%
Canada Land Total Recordable Incidents by Equipment (Chart 5)
Based on 5 Incidents

- Engines/Pumps/Machinery: 40.00%
- Iron Roughneck, Pipe Spinner, etc.: 20.00%
- Material: 20.00%
- Ladders: 20.00%
Canada Land Total Recordable Incidents by Operation (Chart 6)
Based on 5 Incidents

- Rigging Up/Down (rig move preparation, rig move) 40.00%
- Material Handling: Rig Floor Winch 20.00%
- Routine Drilling Operations 20.00%
- Rig/Equipment Repairs or Maintenance 20.00%
Canada Land Total Recordable Incidents by Location (Chart 7)
Based on 5 Incidents

- Living/Camp Areas/Accommodations: 40.00%
- Engine Room/Generator Room: 20.00%
- Rig Floor (rotary, pipe set back area): 20.00%
- Mud Mixing Tank/Area: 20.00%
Canada Land Total Recordable Incidents by Time in Service (Chart 8)
Based on 5 Incidents

- 10+ yrs.: 60.00%
- >3 mos. < 6 mos.: 20.00%
- >1 yr. < 5 yrs.: 20.00%
Canada Land Total Recordable Incidents by Time of Day (Chart 9)
Based on 5 Incidents
Canada Land Total Recordable Incidents by Age (Chart 10)
Based on 5 Incidents

- 18 - 25: 20.00%
- 26 - 35: 20.00%
- 36 - 45: 20.00%
- 46 - 55: 20.00%
- 56 - 65: 20.00%