SAFETY ALERT - #02-2006
UNLOADING BARREL RESULTS IN LOST-TIME INJURY
RELEASE DATE: DECEMBER 22, 2005

<table>
<thead>
<tr>
<th>Function: Completions</th>
<th>Incident Date: December 15, 2005</th>
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<tr>
<td>Location: Onshore</td>
<td>Location Detail: Wellsite</td>
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<tr>
<td>Incident Type: Injury</td>
<td>Country and Region: Canada, NW Alberta</td>
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Note: On September 20, 2005, the Petroleum Industry Training Service (PITS) and the Canadian Petroleum Safety Council (CPSC) combined their operations to become Enform.

Description of Incident:
A well-testing crew needed to manually unload two full barrels of methanol from the back of a pickup on a wellsite. The procedures were discussed at a meeting before beginning the task of unloading the barrels. The first barrel was unloaded successfully by one of the well-testing operators. Another operator was unloading the second barrel; it was laid on its side and positioned near the edge of the tailgate on the truck. The operator began losing control while guiding the barrel off the back of the truck. The second operator stepped in to help and was using his left leg to guide the barrel. The barrel fell, landing on the second operator’s left leg, resulting in both bones in the lower left leg being fractured.

Cause:
Failure to identify and assess the risks associated with this hazardous task (loading and unloading of barrels from pickup trucks). This is currently an industry accepted practice.

Contributing Factors:
- Inadequate communication
- Improper unloading technique (e.g., manual lifting, proper positioning of barrel, correct hand and body position)
- Lack of experience and confidence
- Inadequate procedures for loading and unloading barrels
- Inadequate Job Safety Analysis (JSA) for loading or unloading barrels

Preventative Measures:
1. Short term: No manual lifting of barrels in and out of pickup trucks; the contents of the barrel must be transferred by pump into an empty barrel.
2. Short term: Review, revise and update the Safe Work Procedures and a quality JSA for loading and unloading barrels.
3. Approve and implement a mechanical lifting strategy and/or guideline for a possible solution to manual lifting.
4. Assess a long-term solution to mitigate or eliminate the manual handling of barrels. Assess onsite bulk storage solutions for consumables such as diesel and methanol.

DISCLAIMER:
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