

## Worker Burned By Hot Water Lost Time Injury

### SAFETY ALERT

ISSUE #: 23-2011

#### Enform: Your Partner in Safety

Enform is the upstream oil and gas industry's advocate and leading resource for the continuous improvement of safety performance. Our mission is to help companies achieve their safety goals by providing practices, assessment, training, support, metrics and communication. Our vision is no work-related incidents or injuries in the Canadian upstream oil and gas industry.

#### An Industry Product

This document was developed by industry for industry. Working collaboratively, Enform works with the submitting organization representative in developing these documents to improve the industry's hazard awareness. Canada's leading oil and gas industry trade associations support the use of shared information to help companies of all sizes improve performance.

#### Disclaimer

This document is intended to be flexible in application and provide guidance to users rather than act as a prescriptive solution. Recognizing that one solution is not appropriate for all users and situations, it presents accepted guidance that generally apply to all situations. While Enform believes that the information contained herein is reliable under the conditions and subject to the limitations set out, Enform does not guarantee its accuracy. The use of this document or any information contained will be at the user's sole risk, regardless of any fault or negligence of Enform and the submitting organization.

#### Copyright/Right to Reproduce

Copyright for this document is held by Enform, 2011. All rights reserved. Enform encourages the copying, reproduction and distribution of this document to promote health and safety in the workplace, provided that Enform is acknowledged. However, no part of this publication may be copied, reproduced or distributed for profit or other commercial enterprise, nor may any part be incorporated into any other publication, without written permission of Enform.

#### Details

Release Date: December 7, 2011  
Incidence Type: Lost time injury  
Country and Region: Saskatchewan, Canada

For more information on this event, please contact: [safety@enform.ca](mailto:safety@enform.ca)

#### Description of Incident:

A truck driver was attempting to clear sand from a 4 inch gate valve on a 1000 bbl. production tank.

- The driver placed a 20 litre pail in front of the valve, and then partially opened the valve.
- When the sand broke free, the driver was sprayed with produced water at approximately 75° C.
- This resulted in burns to the driver's lower body
- Lost time injury.

#### What Caused It:

The service provider's valve de-sand procedure, states: valves are to be cleared with a vacuum truck hose and connections, a closed system.

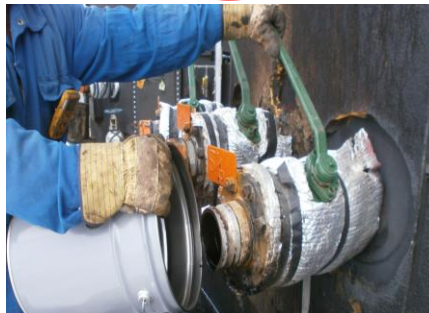
#### Contributing Factors:

- The driver slipped and fell, while attempting to egress the area, thus resulting in a direct exposure to hot production fluid.
- The truck driver had previously succeeded in clearing a plugged valve using the incorrect method.

#### Corrective/Preventive Actions:

The service provider will review and revise their tank cleaning procedures to ensure potential worker exposure to hot fluids is addressed more clearly.

- The service provider will ensure all drivers (including sub-contractors) are trained on the revised procedure.



By industry, for industry