

# UTC Incident Investigation Form

<b>Notification ID:</b>	2775	<b>Investigation ID:</b>	
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<b>Inspector Name:</b>	Dorrough, Anthony UTC
<b>Date Report Submitted to Chief Engineer:</b>	12/5/2014
<b>Date Report Reviewed &amp; Approved by Chief Engineer:</b>	Joe Subsits 12/19/2014

<b>Operator:</b>	Olympic Pipe Line Company
<b>District/Unit:</b>	Olympic Pipe Line - North
<b>Location:</b>	2319 SW Lind Ave
<b>Incident Date:</b>	7/20/2014 8:02:00 AM

<b>Description:</b>
Release of 8.16 gallons of diesel product into secondary containment due to failed O-ring on scraper trap door.

<b>Facts/Chronology of Events:</b>
<ul style="list-style-type: none"> <li>-Hydrocarbon detector in sump collection point, detected hydrocarbons (diesel product) and initiated station shut down at 8:02:32.</li> <li>-Automatic valves shut-in Renton Station and surge valves opened (PSV) at 8:03:05 and 8:03:08 as indicated in timeline.</li> <li>-Approximately 110 bbls discharged into Tank 116. Simultaneously, pumps at Allen Station and Woodinville, were shut down.</li> <li>-BP monitored surge pressure at motorized valve upstream (Woodinville Station).</li> <li>-The O-ring failed and leaked approximately 8 gallons of diesel which was collected in a slot drain which drains to a concrete sump.</li> <li>-It then collected in a low spot in the containment where the hydrocarbon detector is located.</li> </ul>

<b>Causes/Contributing Factors:</b>
<ul style="list-style-type: none"> <li>-Equipment failure</li> <li>-Olympic personnel determined an O-ring on the Seattle pig launcher door had failed.</li> <li>-This O-ring was last inspected on 7/14/2014 and found to be OK.</li> </ul>

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<b>Regulatory Analysis/ Violations:</b>
No Violations
<b>Follow up/ Recommendations:</b>
Perhaps the frequent running of cleaning pigs and the subsequent action of opening and closing the door was a contributor to the O-ring failure or may have caused the increased likelihood of the O-ring to become kinked or pinched. Moving forward, the decision by BP to push out the cleaning cycle may prove to have a positive effect on future O-ring wear.