



# MINIMUM REQUIREMENT

	<h2 style="margin: 0;">WP/SEA MINIMUM REQUIREMENTS</h2> <h3 style="margin: 0;">Hot Tapping</h3>	
<b>MEMORY JOGGERS</b>		
<b>Ensure that the following conditions are met before proceeding. If not met, address on WP/SEA.</b>		
<ul style="list-style-type: none"> <li>➤ Communicate the <b>“RIGHT TO STOP WORK AUTHORITY POLICY”</b> and is exercised by all crewmembers and other personnel that believe something or some condition has changed. The job is to be stopped and accessed before proceeding. The WP/SEA may need to be modified or a new WP/SEA maybe required before starting the work task again.</li> <li>➤ Verify if <b>HOT BOX</b> is required. If so, do we have all the proper equipment required to build (fire blanket, fire proof plywood, etc) <b>HOT BOXES</b>.</li> <li>➤ Verify good communications is established and maintained between operation and crewmembers during <b>HOT WORK</b>.</li> <li>➤ Verify <b>Hot Work Permit</b> has been filled out.</li> <li>➤ Check all areas above and below the worksite to minimize the probability of fire and sparks falling out side of contained area.</li> <li>➤ Identify firewatcher and fire fighting required equipment before starting work task.</li> <li>➤ Verify <b>GIS JSEA Minimum Requirements for Hot Work</b> have been completed.</li> <li>➤ Verify <b>GIS JSEA Minimum Requirements for Hydro Testing</b> have been completed.</li> </ul>		
<b>MINIMUM REQUIREMENTS</b>		
<ol style="list-style-type: none"> <li>1) Verify <b>All</b> conditions identified in the “Memory Joggers” section are met (or are not applicable); if <b>ANY</b> are not met, <b>STOP</b> and add the necessary step to the WP/SEA to ensure the safest method possible.</li> <li>2) Clean hot tap area on pipeline.</li> <li>3) UT pipeline - Verify wall thickness and no lamination.</li> <li>4) Check with company for their specific guidelines on flow rate requirements.</li> <li>5) X-ray flange to fitting welds. Have mill certifications on material, welder qualifications and x-ray qualifications.</li> <li>6) Pre-heat area and keep temperature above dew point.</li> <li>7) Have someone monitor welding machine setting so they are not tampered with while welding is ongoing.</li> <li>8) Weld fitting on pipeline with approved welding procedures for materials welded. Monitor flow and temperature of pipe being welded upon.</li> <li>9) After completing weld, UT welded area.</li> <li>10) Install valve and hydro test to 1.3 X its working pressure.</li> <li>11) Upon 12 hours of completion of weld, inspect for hydrogen cracking.</li> </ol>		

**ENSURE MINIMUM REQUIREMENTS NUMBERS ARE RECORDED ON WP/SEA**