

## HARDSCRABBLE BRIDGE DRAFTING LOCATION TASKS FOR TANKER FILL

Step	After	Personnel	Pre-setup tasks done at attack location
1		D514B	<ul style="list-style-type: none"> <li>▪ Remove 6" to 5" storz adapter from MIV</li> <li>▪ Remove Siamese, double male and hydrant set from 3" hose in rear hose bed. Install quick connect from driver's compartment.</li> <li>▪ Install gated wye on 5" hose in rear hose bed</li> </ul>

Step	After	Personnel	Draft site tasks
1		D514	<ul style="list-style-type: none"> <li>▪ Stop on the bridge road just off Hardscrabble Drive</li> </ul>
2	1	O514	<ul style="list-style-type: none"> <li>▪ Remove the following from 514 and leave on road:                             <ul style="list-style-type: none"> <li>○ Traffic cones</li> <li>○ 2-50' sections of 3" hose</li> <li>○ 2-3" male quick connects</li> <li>○ 5" Storz gated wye</li> <li>○ 2 spanner wrenches</li> <li>○ 5" hose from rear hosebed</li> </ul> </li> </ul>
3	2	O514	<ul style="list-style-type: none"> <li>▪ Signal driver to proceed to bridge. Make sure hose comes off truck.</li> </ul>
4	3	D514	<ul style="list-style-type: none"> <li>▪ Drive to bridge. Park with midship pump steamer intakes aligned with the center of the bridge span. Park at the road edge, <b>NOT ON THE GRASS</b>.</li> <li>▪ Set parking brake. Set wheel chocks.</li> </ul>
5	4	D514 & D514B	<ul style="list-style-type: none"> <li>▪ Connect both 10' hard suction lines and front suction line with floating strainer to officer side pump panel MIV (not front intake). Place over bridge and protect hose from chafing on bridge with salvage cover.</li> </ul>
6	5	D514B	<ul style="list-style-type: none"> <li>▪ Connect 5" hose line to 3" discharge. Adjust line length and routing as needed to avoid kinks.</li> </ul>
7	3	O514	<ul style="list-style-type: none"> <li>▪ Let pump operator know as soon as line is ready to be charged.</li> <li>▪ Connect first fill line with quick connect.</li> <li>▪ If tanker has arrived, connect to tanker and open valves</li> <li>▪ Connect second fill line.</li> </ul>
8	4	D514	<ul style="list-style-type: none"> <li>▪ Prime pump. Charge fill line if ready. When not filling tankers, fill booster tank. <b>BE SURE WATER IS FLOWING THROUGH THE PUMP AT <u>ALL</u> TIMES</b>. May use small cooling/recirculate line if desired. <b>SET RELIEF VALVE!</b></li> </ul>
9	7	D514B	<ul style="list-style-type: none"> <li>▪ Walk back to fill site removing any kinks.</li> </ul>
10	8	D514 *ONGOING*	<ul style="list-style-type: none"> <li>▪ Fill tankers using a discharge pressure of 120 psi.</li> </ul>

11	7	O514 *ONGOING*	<ul style="list-style-type: none"> <li>▪ Direct tanker positioning at fill site. Open gated wye as soon as the line is connected to the tanker. Open second line when that one is connected. Close second line as soon as tanker water gauge shows full. Close first line as soon as tanker overflows.</li> <li>▪ SHOULD HAVE LIST IN ADVANCE SHOWING: <ul style="list-style-type: none"> <li>○ Connections to be used and valve settings</li> <li>○ Expected fill time</li> </ul> </li> </ul>
12	9	D514B *ONGOING*	<ul style="list-style-type: none"> <li>▪ Connect first line to tanker direct fill. Open tanker direct fill valve. Let O514 know to start fill.</li> <li>▪ Connect second line to second direct fill, if present, otherwise to pump intake. Make sure pump intake and tank fill are opened.</li> <li>▪ As soon as fill LIGHT comes on, close second fill line valve and disconnect as soon as O514 indicates his valve is closed.</li> <li>▪ As soon as tank overflows, close first fill line valve and disconnect as soon as O514 indicates his valve is closed.</li> </ul> <p><b>DO NOT DISCONNECT LINES UNDER PRESSURE.</b></p>

OBJECTIVE: Tank fill times should generally be under 70 seconds when using two direct fill lines. When using one direct fill line plus one pump intake line and pump is engaged, tank fill times should generally be less than 80 seconds. Both of these times are based on tankers of 1500 gal capacity or less.

Hardscrabble Draft Location Considerations:

- Water depth on either side of the bridge is about 2.5-3.5 feet depending on water level.
- Water depth is too shallow to use a barrel strainer without excessive pump wear. Use floating strainer instead.
- Water lift is about 7 feet.