

TRACY TRAIL LAKE DRAFTING LOCATION TASKS FOR TANKER FILL

Step	After	Personnel	
1		D514	<ul style="list-style-type: none"> <li>▪ Stop on Tracy Trail just past intersection of Tracy Trail and Pondview Lane on the lake side of Tracy Trail.</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 lake. Make sure hose comes off truck.</li> </ul>
4	3	D514	<ul style="list-style-type: none"> <li>▪ Drive to lake. Park <b>NOT ON THE GRASS</b>.</li> <li>▪ Set parking brake. Set wheel chocks.</li> </ul>
	3	Tanker 1	<ul style="list-style-type: none"> <li>▪ Drive to lake. Provide 20' of 6" hard suction to D514</li> <li>▪ Turn around at Tracy Trail and Parkhaven Place. Proceed to Pondview fill site.</li> </ul>
5	4	D514 & D514B	<ul style="list-style-type: none"> <li>▪ Connect four 10' hard suction lines with floating strainer directly to officer side pump panel MIV (not front intake). Place in lake.</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>▪ Connect Storz wye to hose.</li> <li>▪ Let pump operator know as soon as line may 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>▪ <b>SHOULD HAVE LIST IN ADVANCE SHOWING:</b> <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>
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OBJECTIVE: Tank fill times should generally be under 75 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 1 minute 15 seconds. Both of these times are based on tankers of 1500 gal capacity or less.

**Tracy Trail Location Considerations:**

- Hard suction hose should extend 10' into lake to prevent running sand through the pump
- Hard suction hose from two trucks is required for this location.
- Do NOT run primer for more than 45 seconds or if a burning smell is noticed. (Determine cause of problem.)

Friction loss guess (unmeasured):

600' of 5" @ 1000 GPM	32
Gated wye	25
50' of 3" w/2.5 coupling @ 500 GPM	10
Tank appliances/adapters	10
Residual pressure	43
Total	120

NOTE: Preceding friction loss and flow rate guess should be low.

**TANKERS:** Enter Tracy Trail at Roxboro Road. Turn onto Pondview Lane and exit via Mason Road