

# TACTICAL DECISION GAMES

## **TDG #7 Solution Worksheet Water!!**

### **Describe equipment needed:**

Using the 14' roof ladder, 1 ½" attack line, a 1" smooth bore nozzle, 2 ½" supply line, the hard suction & some P-cord, the engineer could fashion a makeshift siphon ejector to supply water to his engine.

### **Describe one method of obtaining water from the reservoir using only the equipment on your apparatus:**

First, the engineer would need to attach a 1" smooth bore nozzle to the attack line, and then secure the nozzle to the hard suction with some P-cord. Next, the suction & attack line should be secured to the ladder to keep it aligned & to keep debris from being sucked up off the bottom. By submerging the entire assembly in the reservoir and pumping at ~ 200psi to overcome head & friction loss, the venturi effect created by the nozzle within the hard suction should be enough to prime the 2 ½" line & supply the engine.