

# TACTICAL DECISION GAMES

## ■ Engineer Guidelines

### ○ Method of Obtaining Water

- **Extend 200' of 4" hose to reservoir with male coupling toward water supply**
- **Connect both 10' Hard Suctions with Strainer to end of 4" hose with strainer at least 2' below surface**
  - **Ensure all fittings have air tight seal**
- **Secure hard suction with rope as you would for drafting operation**
- **Connections at panel**
  - **Connect 4" to 2 1/2" Gated wye to 4" discharge gate**
  - **Connect both 2 1/2" to 4" increaser to gated wye**
  - **Connect 4" hose female fitting to open outlet on gated wye**
  - **Use remaining 50' of 4" hose to connect female coupling to remaining open outlet on gated wye**
  - **Take 4" male coupling and plug into suction inlet (preferably Auxiliary inlet "Tucker Valve")**
- **With pump engaged**
  - **Open tank dump valve**
  - **Open gated wye on the side going to supply**
  - **Load line slowly**
  - **With observer at reservoir, Have them communicate when all air bubbles have been evacuated through strainer**
  - **Once air has been evacuated, slowly open gated wye**

**on side going to suction inlet**

- **Open tank fill if not connected to "Tucker Valve"**
  - **Close discharge gate at panel**
  - **The flow of water will reverse and begin to fill tank**
  - **Close tank dump valve**
- **Equipment Needed**
  - **4" to 2 1/2" Gated wye**
  - **250' of 4" hose**
  - **2 – 10' Hard suction**
  - **1 - 4" strainer**
  - **2 – 2 1/2" to 4" increasers**
- **Safety**
  - **Load lines slowly**
  - **Use caution around reservoir**
  - **Ensure line returning to suction inlet not kinked**
  - **Do not run pump dry greater than 30 sec.**
- **Unknowns**
  - **Gallons per minute returning to pump**
- **Potential Limitations**
  - **Filling hose depending on distance to water supply and amount of water in tank**

