S403 **Tender Pump Operations**

# To Pump

# To Shut Down Hose Flow

1. Communicate with Hose Person
2. Press ‘**Idle’**
3. Insure **Tank Fill/Recirc** valve is partially open
4. Slowly close appropriate **Discharge valve**

# *In Cab*

##### Engage **Air Brake**

1. **Transmission** in ‘Neutral’
2. Press “**Mode**” Button

 Light displays “Pump Engaged”

 Light displays “OK to Pump”

##### ***Outside Cab***

1. Fully open **Tank to Pump** valve (within 2 minutes of engaging pump)
2. Crack open **Tank Fill/recirc**

# To Disengage Pump

1. Verify NO hose flow
2. Press **‘Idle’** on the pump panel
3. **Transmission** in Neutral, **Air Brake** engaged
4. Press **Mode Button –** Pump Lights go out

***Outside Cab***

1. Close ALL **Valves**
2. Connect hose to selected **discharge** connection
3. Communicate to Hose person
4. Press ‘**Pressure’** button on panel
5. Open appropriate **discharge valve**
6. Press ‘**Preset’** button on panel

#### To Pump and Roll

***In Cab***

1. Engage **Air Brake**

**Driving for Pump & Roll**

1. Keep hose person in view at all times
2. Advancing foot throttle also increases discharge pressure - keep speed steady
3. Monitor discharge pressure gauge in the cab
4. **Transmission** in ‘Neutral’
5. Press “**Mode”** Button

#####  Light displays “Pump Engaged”

Light displays “OK to Pump”

***Outside Cab***

1. Pull **Tank to Pump** (within 2 minutes of engaging pump)
2. Partially open **Tank Fill/Recirc**
3. Connect hose to selected **discharge** connection
4. Open appropriate **discharge valve**

**Draft with Hose Flow**

Remain in **PSI** mode with Discharge Valve open

Connect Hard Line to **Intake** connection

Simultaneously and slowly;

 Open **Intake Valve** *while you*

 Close **Tank to Pump Valve**

**To Fill Tank with Hose Flow**

Slowly open **Tank Fill/Recirc Valve**

Adjust **Tank Fill/Recirc Valve** and/or **Pressure** as necessary to maintain hose line pressure

1. ***Return to Cab***
2. With foot on brake, release **Air Brake**
3. **Transmission** in ‘Drive’, Shift to ‘1’
4. Light displays “Okay to Pump and Roll”
5. Communicate with Hose person

**Fill Tank w/Draft and No Hose Flow**

1. Close ALL **Valves** (including **Drains**)
2. Press **IDLE** button on panel
3. Connect Hardline to **Intake** connection
4. Press **RPM** on Panel
5. Press **Preset** on panel
6. Slowly open **Intake Valve**
7. Fully open **Tank Fill/Recirc Valve**