OPERATION PROCEDURES

Veeder-Root 300/350

LAST PERIODIC 0.2 or 0.1 GPH TANK TEST PASSED (not TANK ALARM HISTORY)
Press MODE key until “Diagnostic” is displayed
Press FUNCTION key until “In Tank Leak Test Results” is displayed
Press STEP key until first tank (typically “T-1”) is displayed
Press STEP key until “Print Leak History” is displayed, look for “PERIODIC TEST PASSED” (this is the 0.2 gph monthly test) AND DATE. Must be within the last 30 days.
Press PRINT
Press TANK/SENSOR key to select next tank
Press PRINT for each tank

CONSOLE ALARM HISTORY MENU
Press MODE key until “Diagnostic” is displayed
Press FUNCTION key until “Alarm History Report” is displayed
Pressing the STEP key will navigate you through the entire alarm history archive

IN-TANK ALARM HISTORY
Press STEP key until first tank (typically “T-1”) is displayed
Press PRINT, only the three most recent alarms, per alarm type, are in archive
Press TANK/SENSOR key to select next tank
Press PRINT for each tank you need to check

STANDARD LIQUID SENSOR ALARM HISTORY
Press STEP key until first Liquid Sensor (typically “L-1”) is displayed
Press PRINT, only the three most recent alarms, per alarm type, are in archive
Press TANK/SENSOR key to select next sensor
Press PRINT for each Liquid Sensor you need to check

OTHER LIQUID SENSOR ALARM HISTORY (will appear in menu if present)
Press STEP key until first other type Sensor (typically “C-1 or H-1”) is displayed
Press PRINT, only the three most recent alarms, per alarm type, are in archive
Press TANK/SENSOR key to select next other sensor
Press PRINT for each other you need to check

PLL or WPLL ALARM HISTORY
Press MODE key until “Diagnostic” is displayed
Press FUNCTION key until “Alarm History” is displayed
Press STEP key until the 1st line (“Q1 or W1”) is displayed
Press PRINT
Press TANK/SENSOR key to select next product line
Press PRINT for each product line you need to check
PLLD or WPLLD TEST HISTORY
Press FUNCTION key until “Pressure Line Results” is displayed
Press STEP key until “Q1 PLLD 1” is displayed (for PLLD)
Press STEP key until “W1 WPLLD” is displayed (for WPLLD)
Press PRINT
Press TANK/SENSOR key to select next product line
Press PRINT for each product line

HIGH LEVEL ALARM TEST (from console)
Press FUNCTION key until “Test Output Relays” is displayed
Press STEP key
Press “1” key
Press ENTER key
Press ALARM TEST key, alarm should sound, printout shows relay name & programmed alarms
NOTE: You may need to enter relay 2, 3 or 4 (or 5 -8) to sound alarm (contractors don’t always use relay 1)

OUTPUT RELAY VERIFICATION
Press MODE key to display “Set Up” NOTE: a password may be required
Press FUNCTION key until “Output Relay” is displayed
Press STEP key until “Relay Config – Module 1- Slot #: XXXX” is displayed
Press PRINT to obtain a tape for your records and to show which alarm(s) is assigned to which output relay. All XXXXs indicated no relays are configured therefore an alarm will not be activated.

VERIFY OVERFILL LEVEL (High Level Alarm)
Press MODE key until “Set Up” is displayed
Press PRINT
Review print-out for “In-Tank” setup value setting for “Overfill Limit” for each Tank in use.
The setting should be no more than 90% as per Veeder Root programming guide directions.

LAST DELIVERY
Press FUNCTION key until “In Tank Inventory” is displayed
Press STEP key until “Delivery” is displayed
Press PRINT to show date, time & gallons
Press TANK/SENSOR key to select next tank
Press PRINT for each tank
INCON 1001/2001

TEST OF EXTERNAL OVERFILL ALARM PROCEDURE

Step #1 PUSH **MENU KEY** ON CONSOLE TO READ **“NEW OPTION”**
Step #2 PUSH **SET UP KEY** ON CONSOLE TO READ **“SETUP MENU”**
Step #3 UTILIZE **UP/DOWN KEY** AND SCROLL UNTIL **“RELAYS”**
Step #4 ACTIVATE RELAY, CONSOLE WILL THEN READ **“RELAY 1” OR “RELAY 2”**
Step #5 TRY **“RELAY 1” FIRST, IF BLANK, THEN TRY “RELAY 2”.** CONSOLE WILL READ **“TIME OUT”, “OUTPUT GROUPS”, “TEST”**
Step #6 ACTIVATE TEST, EXTERNAL ALARM SHOULD FUNCTION. HIT ANY KEY TO SHUT OFF TEST AT CONSOLE. **THEN USE OUTSIDE “ACKNOWLEDGE” BUTTON TO SHUT OFF HORN/LIGHT**
Step #7 HIT **“CANCEL”** KEY UNTIL YOU READ **“EXIT”** IN SETUP MENU, THEN CONSOLE WILL BE BACK IN ORIGINAL MODE

VERIFY PROGRAMMED RELAYS FOR OVERFILL PROTECTION

Step #1 PRESS **“REPORT”** KEY, THEN **“DOWN” KEY TO SCROLL DOWN ON DISPLAY TO ”SELECT REPORT GROUP”**, THEN **FIND “SETUP”**
Step #2 PRESS **“SETUP”** WHEN DISPLAY SHOWS **“SETUP”**
Step #3 PRESS THE KEY UNDER **“SYSTEM”** ON DISPLAY
Step #4 **THIS WILL PRINT ALL TANK SYSTEM SETUP REPORTS** EACH TANK WILL HAVE HIGH LIMIT W/ STICK HEIGHT FOR 90 INCHES UNDER THIS IS HIGH LIMIT (OUTPUT GROUP) I.E.: A OR B OR C ETC. THEN LOOK AT RELAY SETUP OUTPUT GROUP FIRST LINE IS **“A THROUGH P”**, EACH DASH IS A LETTER. I.E.: X---IS A –X--IS B --X--IS C, SO ON IF HIGH LIMIT OUTPUT GROUP IS B, THEN THE SECOND DASH (-Y--) IS FOR RELAY OUTPUT GROUP. THIS IS A CORRECT SETUP.

**NOTE: WHEN IN “SETUP” DO NOT PUSH ANY OTHER KEYS BECAUSE YOU WILL CHANGE THE PROGRAM.**

REMEMBER THERE ARE TWO RELAYS IN THE TS-1001 CONSOLES……CHECK BOTH RELAYS FOR THE OUTPUT GROUP.