

System Setup and Programming Parameters for Veeder-Root TLS-450 Underground Storage Tank and Line Monitoring System

The following guidelines shall be used for setup of the Veeder-Root TLS-450 system at Murphy USA facilities. Refer to Veeder-Root System Setup Manual Number 577013-940 for complete setup instructions. NOTE: SYSTEM SETUP MUST BE PERFORMED BY AN AUTHORIZED VEEDER-ROOT SERVICE CONTRACTOR.

To Access the Setup menus Click on from the Home screen:

Date & Time Setup

Daylight Savings

For the areas of Indiana which do not observe Daylight Savings Time, leave this option disabled

Feature: Enabled
Start Date: Mar 2nd Week Sun
Start Time: 02:00 am
End Date: Nov 1st Week Sun
End Time: 02:00 am

Date & Time Set

Set Current Date: mm/dd/yyyy
Set Current Time: hh:mm AMPM

Display

Language & Units

System Language: English
System Units: US

Date & Time Format

Date Format: m/d/yyyy
Date Separator: /
Time Format: 12-hour A.M.

Number Format

Decimal Separator: .
Thousands separator: None

System Status

All Tanks 1 to: Enabled
All Sensors Tab: Enabled

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Header Setup

Header #1: MURPHY USA XXXX (ex. MURPHY USA 6672)
Header #2: Address
Header #3: City, ST, ZIP
Header #4: Station Phone Number (ex. 565-655-6565)
Fax Number: N/A
Fax Number: N/A

Security

System

Front Panel Security: Disabled

Reset Web user Password

Username: guest
New Password: TBD by Murphy USA
Confirm Password: TBD by Murphy USA

Device Setup

Device PROGRES Tab

Table with columns: Probe #, Configured, Address, Device Label, FLOAT TYPE. Rows for Probe 1-4.

Refer to the tank configuration table below for Probe Labels. Make sure that each label includes the tank size. The Probe Labels consist of the type of product and the size of the tank.

Table with columns: Tank Configuration, Probe 1 Label, Probe 2 Label, Probe 3 Label, Probe 4 Label. Rows for 25 and 1000.

Device RELAYS Tab (Use only if Overfill is required)

Table with columns: R1, Configured, Address, Label, TTL, Orientation. Row for R1.

Device: Liquid Sensor Tab

Table with columns: Configured, Address, Sensor Label, Model, Reference Sensor Application Guide, Category. Rows L1-L10.

Device: Liquid Sensor Tab

Table with columns: Configured, Address, Sensor Label, Model, Reference Sensor Application Guide, Category. Rows L1-L10.

Device: Liquid Sensor Tab

Table with columns: Configured, Address, Sensor Label, Model, Reference Sensor Application Guide, Category. Rows L1-L12.

Device: Liquid Sensor Tab

Table with columns: Configured, Address, Sensor Label, Model, Reference Sensor Application Guide, Category. Rows L1-L12.

Device: Liquid Sensor Tab

Table with columns: Configured, Address, Sensor Label, Model, Reference Sensor Application Guide, Category. Rows L1-L12.

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TANK SETUP

Tank General Tab

Table with columns: Tank #, Configured, Label, Product Code, Probe, Fresh Oilvol, Fuel Volume, Tank Diameter, Tank Top, Thermal Coefficient, Meter Data Present, Pump Threshold, Delivery Delay, Cross Leak Fail, Periodic Test Fail, Annual Test Fail, CODE1 Volume Correction. Rows for Tank 1-4.

Table 1

Table with columns: Tank, TT, Configured, T1, T2, T3, T4, Comments. Row for Tank 1.

Table 2

Table with columns: Tank, Duration, Configured, T1, T2, T3, T4, Comments. Row for Tank 1.

Table 3

Table with columns: Tank, Units, Configured, T1, T2, T3, T4, Comments. Row for Tank 1.

Table

Table with columns: Sensor, Tank, Chan Address, Alarm Set, Alarm Del, Alarm Del. Rows for various sensors.

Tank Limits Tab

Table with columns: Tank #, Mix or Label Volume, High Product, Delivery Overfill Limit, Low Product Limit, High Water Warning, Water Alarm Filter, Leak Alarm Limit, Sudden Loss Limit, Density Low Limit, Density High Limit. Rows for Tank 1-4.

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Tank Environmental Tab

Table with columns: Tank #, Tank Test Method, Tank Test Rate, Plunger Test Type, Test Frequency, G-087 Tank Auto-Confirm, Duration (Hrs.), Leak Min Periodic, Leak Min Annual, Early Stop, Tank Test Notify, Tank Test Signal Break. Rows for Tank 1-4.

Tank All Tanks Tab

Leave all entries as default

Tank Product Tab

Leave all entries as default

Tank Chart Tab

Table with columns: Alarm, To 3rd Leak, Fuel Volume, Fuel Part, Fuel Part, Fuel Part. Rows for various alarms.

Tank Siphon Set Tab

Leave all entries as Not Assigned

Tank AccuChart Tab

Leave all entries as default

Tank Hourly Reconciliation

Leave all entries as default

Inventory Setup Icon

Shift Close Method Tab

Shift Close Method: Timed

Shift Times

Shift 1: S.Occur, Shift 2: Disabled

Inventory report Times Tab

Reporting Interval: Disabled

Delivery Setup Icon

Delivery Method: Standard Automatic

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Ticketed Delivery

Ticketed Delivery: Disabled

Tank Idle Delivery: Disabled

Comm Device Setup

Table with columns: No Modem Sites, Modem Sites, Device, Device. Rows for Comm 1-4.

Comm 1 & 2 (RS232)

Device: RS232, Baud Rate: 9600, Data Bits: 7, Parity: Odd, Stop Bit: 1, Handshaking: No Handshaking

Comm 3 (Modem)

General Tab: Device: Internal Modem, Baud Rate: 9600, Data Bits: 7, Parity: Odd, Stop Bit: 1, Handshaking: No Handshaking

Comm 3 or 4 (USB)

No Programmable Fields

Port: 1, Device: USB

Comm 4 or 5 (Ethernet)

Configured: Enabled, Slot: 5, Port: Ethernet Card, Device Label: Unique name for ATG on site (Shield), MAC Address: Automatically Populated, IP Assignments: Static or Dynamic, Subnet mask: Customer Supplied, Gateway IP: Customer Supplied, Primary DNS Server: Customer Supplied, Secondary DNS Server: Customer Supplied, Serial Command Port: 10001, SSH port: 22, HTTP port: 80, HTTPS port: 443, Sender Email Address: TBD, Email relay Configuration: Disabled, Sender host Name: N/A at this time, Relay host - Smart host: N/A at this time

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Murphy Oil Tank & Pumping, Greenwood R41 (180) - Modem01 (RF) Units Modem01B_FE-5.dwg - Bob Hughes - 3/20/2016 4:58 PM

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VEEDER-ROOT SET-UP AND PROGRAMMING STANDARDS WAYNE GREENWOOD SOUTH CAROLINA

DATE: MARCH, 2018 SCALE: N/A FILE NAME: 19-Moc800616_FE-5 DATE: REVISION

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