

## **Modification Highlights for Executive Order VR-101-O**

NOTE: Global change for Executive Order and Installation, Operation, and Maintenance Manual; changed revision letter from N to O.

### **Part I: Executive Order**

#### **Legal Language:**

- Changed title of Executive Order (EO).
- Added request from Franklin Fueling Systems (FFS) to include a new alternate overfill prevention valve for gasoline and E85 application.
- Added request from FFS to include the EBW Defender Series spill container for E85 application.
- Added request from FFS to merge the EBW Phase I EVR System, EO VR-103, into the Phil-Tite Phase I EVR System, EO VR-101.
- Added request from OPW to include the Model 723V P/V vent valve as an alternate component.
- Added a below-grade vaulted tank configuration as an alternate Phase I system configuration.
- Added Exhibit 5 showing the alternate below-grade vaulted tank Phase I system configuration.
- Added language to supersede EO VR-103.

#### **Exhibit 1:**

- Revised the 85000 and 85000-1 Series part number legend.
- Removed reference to the Phil-Tite 15 gallon spill container.
- Added E-85 to Defender spill container legend.
- Removed the Phil-Tite 85011 spill container lid.
- Added the EBW 70533719 replacement drain valve.
- Removed the Phil-Tite PP-1005 TB debris bucket.
- Removed the Phil-Tite PP-1005 TBP debris bucket.
- Added part number for the FFS PV Zero.
- Removed dashes from the EBW product and vapor dust caps part numbers.
- Removed legend from EBW 30430103 Vapor Dust Cap.
- Added OPW Model 723V P/V vent valve.
- Removed EBW 90037 and replaced with part number 900037-E.
- Removed Phil-Tite 61SO-PT drop tube overfill prevention device. No longer in production.
- Added the Defender Series OPV, Model 70859X9YZ, for Gas/E85 application.
- Revised Phil-Tite riser offset model number M-6050 to read M-6050-X (X=various offsets) (Gas/E85).
- Removed the Phil-Tite TBP-3516 tank bottom protector.
- Removed the EBW drop tube, part number 782-204, from Table 2.
- Added emergency vent for below-grade vaulted tank configuration.

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### Exhibit 1, Table 1: Component Exempt from Identification Requirements

- Added the EBW 7822041X-2 drop tube.
- Removed the 90037 in-tank probe cap and adaptor kit.
- Added the Phil-Tite riser adaptor part number 4X4 –R (Gas/E85)
- Revised the Phil-Tite riser offset model number M-6050 to read “M-6050-X (X=various offsets) (Gas/E85)”.
- Added the EBW 70533719 replacement drain valve.

### Exhibit 1, Table 2

- Removed the EBW 782-204 drop tube since this drop tube was subsequently certified.

### Exhibit 1: Component Identification and Location

- Removed photo of the Phil-Tite Model PP-1005-TB product and PP-1005-TBP Vapor Debris Bucket.
- Removed picture of the Phil-Tite Model 61SO-PT Overfill Prevention Device.
- Added a picture of the Defender Series Model 70859X9YZ OPV.
- Updated and added a new photo of the Defender 705 Series Spill container label locations.
- Added a picture of the OPW Model 723V P/V vent valve.
- The EBW 30420006 Vapor Dust Cap and EBW 30430103 Vapor Dust Cap photos were reversed. Rearranged the pictures to reflect the correct part number.

### Exhibit 2:

#### General Specifications

- Removed typical installation illustration showing Phil-Tite System with 61SO-PT overfill prevention valve.
- Added typical installation figures of the Phil-Tite spill container configurations.
- Added typical installation figures of the “Defender Series” spill container configurations.
- Changed all references from Phil-Tite to Franklin Fueling Systems.

#### Pressure/Vacuum Vent Valves For Storage Tank Vent Pipes

- Changed verbiage to read “The PV-Zero portion of the **ARB-Approved Installation, Operation and Maintenance Manual for the** Franklin Fueling Systems (Phil-Tite/EBW/FFS) **Phase I Vapor Recovery System.**”
- Changed figure identification from 2B to 2D.

#### Double Fill Configuration

- Added the Defender Double Fill Configuration.

#### Sump Configuration

- Removed this section from the EO.

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### Maintenance Records

- Changed verbiage to read, “An example of a Phase I Maintenance Record is shown in Figure 2O.”

### Table 2.2: Maintenance Intervals for System Components

- Modified the 70849X1Y and 70849X3Y Drop Tube OPV part numbers.
- Added the Defender Series overfill prevention valve 70859X9YZ.

### Figures

- Removed Figure 2A, “Typical Product side installation of Phil-Tite System using 61SO PT.” Replaced with “Typical Product Side Installation of Phil-Tite System Using EBW Autolimiter II 70849X Series (Defender OPV Series 70859X9YZ optional).”
- Removed Figure 2C, “Typical Vapor Recovery Side Installation of Phil-Tite System.”
- Changed Figure 2C to “Typical Defender/Phil-Tite Double Fill Configuration.”
- Changed Figure 2D to “Typical Product Installation of Defender Series Spill Container using Defender OPV Series 70859X9YZ.”
- Changed Figure 2E to “Typical Phil-Tite Model M-6050 Vapor Recovery Riser Offset.”
- Changed Figure 2F to “Typical Vent Pipe Manifold.”
- Changed Figure 2G to “Typical Product Side Installation of Defender Series Spill Container: Single Wall Direct Bury Configuration.”
- Changed Figure 2H to “Typical Product Side Installation of Defender Series Spill Container: Double Wall Direct Bury Configuration with I2 Monitor.”
- Changed Figure 2I to “Typical Side Installation of Defender Series Spill Container: Double Wall Direct Bury Configuration with TSP-ULS Liquid Sensor.”
- Changed Figure 2J to “Typical Vapor Recovery Side Installation of Defender Series Spill Container Single Wall Direct Bury Configuration.”
- Changed Figure 2K to “Typical Vapor Recovery Side Installation of Defender Series spill Container Double Wall Direct Bury Configuration with 12 Monitor.”
- Changed Figure 2L to “Typical Vapor Recovery Installation of Defender Series Spill Container Double Wall Direct Bury Configuration with TSP-ULS Liquid Sensor.”
- Changed Figure 2M to “Typical Product Side Installation using EBW System (Defender OPV Series 70859X9YZ optional).”
- Changed Figure 2N to “Typical Vapor Recovery Installation using EBW System.”
- Changed Figure 2O to “Example of a GDF Phase I Maintenance Record.”

### Exhibit 5:

- New exhibit added, showing the alternate below-grade vaulted tank Phase I system configuration.

## **Part II: ARB Approved Installation, Operation, and Maintenance Manual (IOM)**

### Summary of Maintenance Activities Required

- Removed Phil-Tite from the Spill Container Drain valve maintenance schedule. Replaced with FFS.
- Removed test procedure TP-201.1D and replaced with TP-201.1C.
- Added EBW drop tube 782-204-1 and 782-204-3 to Summary of Maintenance List.
- Removed the OPW 61SO from Summary of Maintenance List.
- Removed Phil-Tite 85011 Lid from Summary of Maintenance List.
- Removed EBW 70533719 Drain Valve.
- Removed EBW/Defender Lids 70543000, 70540900, and 7054230X.
- Added OPW Model 723V P/V vent valve annual maintenance.

### Phase I EVR Equipment Installation List

- Removed Phil-Tite from heading.
- Number 1: Changed VR-101-N to VR-101-O.
- Number 4: Added “(EBW 70849X-1Y & 70849X-3Y).”
- Number 6: Removed drop tube and replaced with “(Drop Tube Riser Clamp)”
- Added Defender Series to check list.
- Removed Phil-Tite 61SO from note.
- Added “EBW 70849X-1Y & 70849X-3Y Only” to check list item number 4.

### Phase I Equipment List

See part one for changes made.

### Table 1: Component Exempt from Identification Requirements

See part one list for changes made.

### Table 2: Prohibited New or Replacement Components.

Removed table.

### Torque Values for EBW Defender Series Spill Container (705)

- Removed table and replaced with illustration.
- Removed Figure A-1, “Typical Product Side Installation of Phil-Tite System Using 61SO-PT.” Replaced with “Typical Product Side Installation of Phil-Tite System Using FFS Autolimiter II® 708-49X- Series or Defender 70859X9YZ Series OPV.”
- Removed Phil-Tite 85000-1 Series Product and Vapor Spill Container IOM.
- Removed Phil-Tite Debris Containers from IOM.
- Removed Phil-Tite 61SO-PT Drop Tube IOM.
- Updated Figure B-2 with an updated picture.
- Updated Figure E-3 part number.
- Updated Figure G-3 part number.
- Replaced the Defender Series, 5 gallon, Single Walled IOM with an updated IOM (Revision 3) IOM.
- Replaced the Defender Series, 5 gallon, Double Walled IOM with an updated IOM (Revision 6) IOM.

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- Replaced the Defender Series Multiport Spill Container IOM with an updated (Revision 3) IOM.
- Replaced the Defender Series Multiport Spill Container retrofit installation guide with an updated (Revision 2) IOM.
- Removed Figure N-1 and replaced with an updated picture.
- Removed Figure N-2 and replaced with an updated picture.
- Removed Figure N-3 and replaced with an updated picture.
- Removed Figure N-4 and replaced with an updated picture.
- Removed Figure N-5 and replaced with an updated picture.
- Removed Figure N-6 and replaced with an updated picture.
- Added OPW Model 723V P/V vent valve installation instructions.