State of Oregon
Department of
Environmental
Quality

Equipment and Components

CARB Executive Order VR-101-V

Franklin Fueling Systems, Inc.
Phil-Tite/EBW/FFS
Stage I Enhanced Vapor Recovery System

EXHIBIT 1

Franklin Fueling Systems (Phil-Tite/EBW/FFS) Stage I EVR System Equipment List NOTE: (Gas/E85) = Identifies that these components are approved for standard gasoline and E85 fuel blends. (Gas) = Identifies that these components are only approved for standard gasoline fuel blends.

Equipment	**Manufacturer/Model Number**
Spill Container (Phil-Tite Series Spill Containers)	Phil-Tite 85000 and 85000-1 Series (Gas/E85) 85W0X and 85W0X-1 legend: W represented by: 1=replacement spill container X represented by: 0 = product spill container 0-EXT = product spill container w extension collar 1 = vapor spill container 1-EXT = vapor spill container w extension collar
Spill Container (Defender Series Spill Containers)	EBW Defender 705 Series (Gas/E85) Defender 705 Series Legend (Gas/E85) 7055XYZAB where XYZAB is represented by: X = containment 4 = singe wall 5 = double wall Y = installation 2 = multiport bucket 5 = direct bury Z = interstitial monitoring method 0 = no sensor/gauge (i.e. single wall) 1 = I2 monitor (float gauge, visual) 2 = TSP-ULS (electronic sensor) A = spill container base thread 0 = NPSM (straight thread) 1 = NPT (taper thread) B = drain valve 1 = with drain valve (typical on product/fill side) 2 = without drain valve (typical on vapor side)
Spill Container (EBW Series Spill Containers)	EBW 7XX-49Y-0Z (Gas) XX indicates spill bucket gallon size: 05 = 5 Gallon 15 = 15 Gallon Y indicates level and base material: 0 = grade level with cast iron base (5 gallon) 2 = below grade level with cast iron base (5 and 15 gallon) Z indicates drain valve:

Equipment	**Manufacturer/Model Number** 1 = drain valve 2 = no drain valve
Spill Container Lid (Phil-Tite Series Spill Containers)	Phil-Tite 85011 (Gas/E85) (Not required with sump configuration lid, see Figure 2B in Exhibit 2)
Spill Container Lid (Defender and EBW Series Spill Containers)	EBW 7054401X (Gas/E85) X = Lid Color, Varies
Replacement Drain Valve (Phil-Tite Series Spill Containers)	Phil-Tite 85400 (Gas/E85)
Replacement Drain Valve (Defender Series Spill Containers)	EBW 70533729 (Gas/E85)
Replacement Drain Valve (EBW Series Spill Container)	EBW 70533719 (Gas) 70533729 (Gas/E85)
Drain Valve Blank Kit (EBW Series Spill Container)	EBW 90022
Drain Valve Isolation Kit (EBW Series Spill Containers)	EBW 70825501
Drain Valve Isolation Test Kit (EBW Series Spill Containers)	EBW 90079
Product Adaptor	Phil-Tite SWF-100-B (Gas) Phil-Tite SWF-100-SS (Gas/E85)
Vapor Adaptor	Phil-Tite SWV-101-B (Gas) Phil-Tite SWV-101-SS (Gas/E85)
Riser Adaptor	Phil-Tite M/F 4X4 (Gas/E85) Phil-Tite M/F 4X4-R (Gas/E85)
Riser Support Bracket	Phil-Tite M 1600 (Gas/E85)

Equipment	**Manufacturer/Model Number**
Drop Tube Riser Clamp (Defender Series Spill Containers)	FFS 70550901EC (Gas/E85)
Dust Cap	Morrison Brothers 323C-0100ACEVR (vapor) (Gas/E85) Morrison Brothers 305C-0100ACEVR (product)(Gas/E85) OPW 1711T-EVR (vapor) (Gas/E85) OPW 634TT-EVR (product) (Gas/E85) OPW 634LPC (product) (Gas) OPW 1711LPC (vapor) (Gas) CompX CSP1-634LPC (product) (Gas) CompX CSP3-1711LPC (vapor) (Gas) CompX CSP2-634LPC (product) (Gas) CompX CSP4-1711LPC (vapor) (Gas) EBW 77720102 (product) (Gas/E85) EBW 77720202 (product) (Gas/E85) EBW 30430103 (vapor) (Gas/E85) EBW 30420006 (vapor) (Gas/E85)
Pressure/Vacuum Vent Valve	FFS PV-Zero 407215901 (Gas/E85) Husky 5885 (Gas/E85) OPW 723V (Gas/E85)
Tank Gauge Port Components	Veeder-Root 312020-952 (cap and adaptor kit) (Gas/E85) Morrison Brothers 305XPA1100AKEVR (cap and adaptor kit) (Gas/E85) Morrison Brothers 305-0200AAEVR (replacement adaptor) (Gas/E85) Morrison Brothers 305XP-110ACEVR (replacement cap) (Gas/E85) EBW 90037-E (In Tank Probe Cap and Adapter Kit) (Gas/E85)
Drop Tube Overfill Prevention Device[1]	Defender Series OPV 70859X9YZ (Gas/E85) Defender Series OPV 70869X9YZ (Gas/E85) Defender Series OPV legend: X = upper drop tube length: 1 = 5 feet 2 = 10 feet Y = Tube compatibility: 0 = Gas 2 = Gas/E85 Z = lower drop tube length: 1 = 8 feet 2 = 10 feet

Equipment	**Manufacturer/Model Number**
	EBW 70849X1Y (Gas) EBW 70849X3Y (Gas/E85) X represented by: 1 = 5 foot length upper drop tube section 2 = 10 foot length upper drop tube section Y represented by: 1 = 8 foot length bottom thread on section drop tube 2 = 10 foot length bottom thread on section drop tube
Drop Tube[1]	OPW 61-T (various lengths) (Gas)(Phil-Tite Series Spill Containers only) EBW 7822041X-2 (X = various lengths) (Gas) EBW 7822043X-2 (X = various lengths) (Gas/E85)
Riser Offset[1]	Phil-Tite M-6050-X (x = various offsets) (Gas/E85)
Double Fill[1] Tank Riser Configuration	Phil Tite (configuration only) (Gas/E85) Defender (configuration only) (Gas/E85)
Tank Bottom Protector[1]	Phil-Tite TBP-3516-E (Gas/E85)
Emergency Vent	Exhibit 5 (for below-grade vaulted tank configuration)
Fuel Lock[1]	McGard FL1 – Stick Only Fuel Lock (125007) (Gas) McGard FL2 – Stick/Sampling Fuel Lock (125008) (Gas)
Bladder Plug	McGard PSI104 (Gas)

[1] If these components are installed or required by regulations of other agencies, only those components and model numbers specified above shall be installed or used.

Table 1
Components Exempt from Identification Requirements

Component Name	Manufacturer	Model Number
Drop Tube	OPW EBW EBW	61-T Straight Drop Tube (Gas) 7822041X-2 (X = various lengths) (Gas) 7822043X-2 (X = various lengths) (Gas/E85)
Dust Caps	Morrison Brothers	323C-0100ACEVR (vapor)* (Gas/E85) 305C-0100ACEVR (product)* (Gas/E85)
Tank Gauge Port Components	Veeder-Root	312020-952 (cap & adaptor) (Gas/E85)
	Morrison Brothers	305XPA1100AKEVR (cap and adaptor kit) (Gas/E85) 305-0200AAEVR (replacement adaptor) (Gas/E85) 305XP-1100ACEVR (replacement cap) (Gas/E85)
	EBW	90037-E (In Tank Probe Cap and Adaptor Kit) (Gas/E85)
Riser Adaptor	Phil-Tite	M/F 4X4 (Gas/E85) M/F 4X4-R (Gas/E85)
Riser Offset	Phil-Tite	M-6050-X (X = various offsets) (Gas/E85)
Riser Support Bracket	Phil-Tite	M-1600 (Gas/E85)
Spill Container Lid	Phil-Tite EBW	85011 (Gas/E85) 7054401X (Gas/E85)
Sump/Sump Lids	Varies	Varies (Gas/E85)
Drop Tube Riser Clamp	FFS	70550901EC (Gas/E85)
Replacement Drain Valve	EBW	EBW 70533729 EBW 70533719
Drain Valve Blank Kit	EBW	90022
Fuel Lock	McGard	FL1, FL2

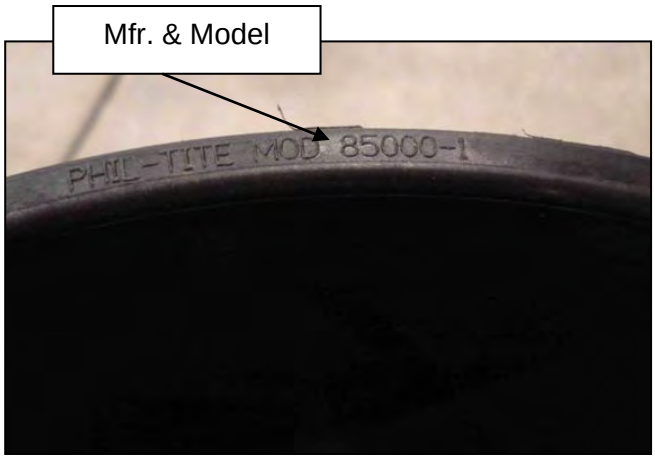
* Morrison Brothers dust caps identified as 323C EVR and 305C EVR respectively.

The component in Table 2 may not be installed as a new or replacement part on or after September 1, 2002. This component, if installed prior to September 1, 2002, may be used for the remainder of it's useful life.

Table 2

Component Name	Manufacturer	Model Number
Drop Tube	Emco Wheaton	A0020 (various lengths) (Gas)

Component Identification and Location



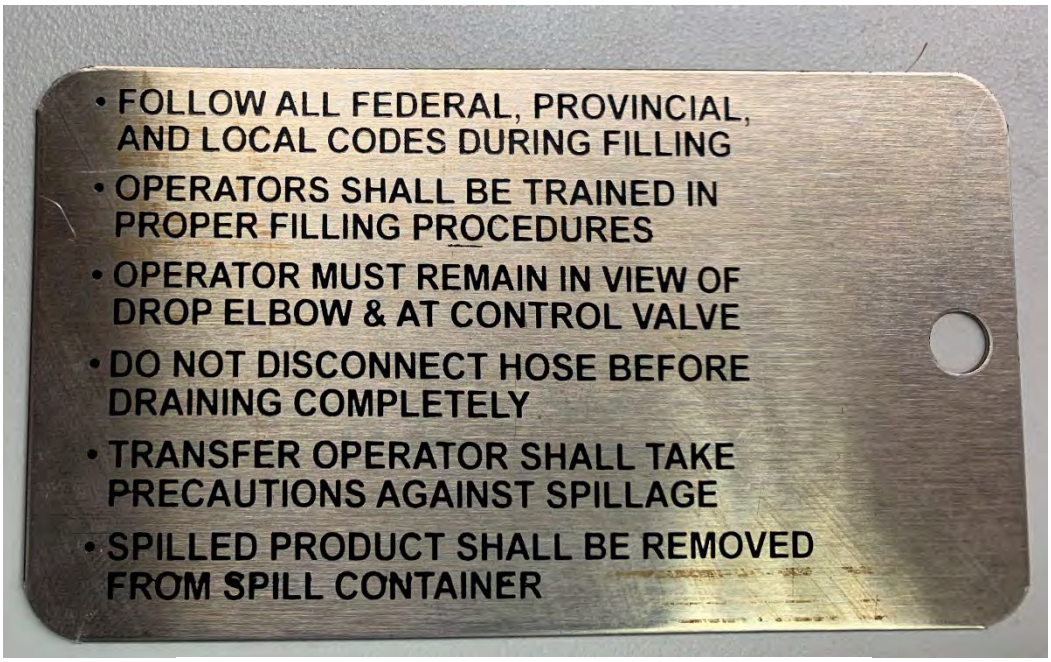
Phil-Tite Model 85000 Series Spill Containers

Defender 705 Series Spill Container-double wall (Gas/E85 Compatible)

Defender 705 Series Spill Container-single wall (Gas/E85 Compatible)

Component Identification and Location

(New Tag Front) Defender Series Spill Container (Gas/E85 Compatible)

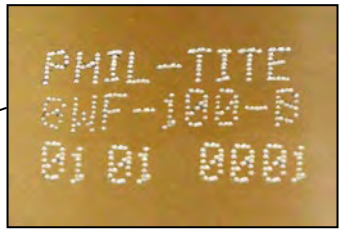


(New Tag Back) Defender Series Spill Container (Gas/E85 Compatible)

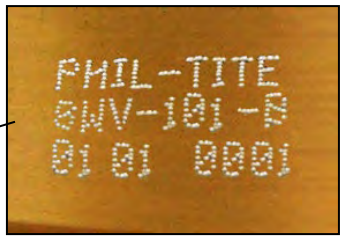
Component Identification and Location

Spill Container EBW 7XX-49Y-0Z

Component Identification and Location



Phil-Tite Model SWF-100-B
Product Adaptor



Phil-Tite Model SWV-101-B
Vapor Adaptor

Component Identification and Location

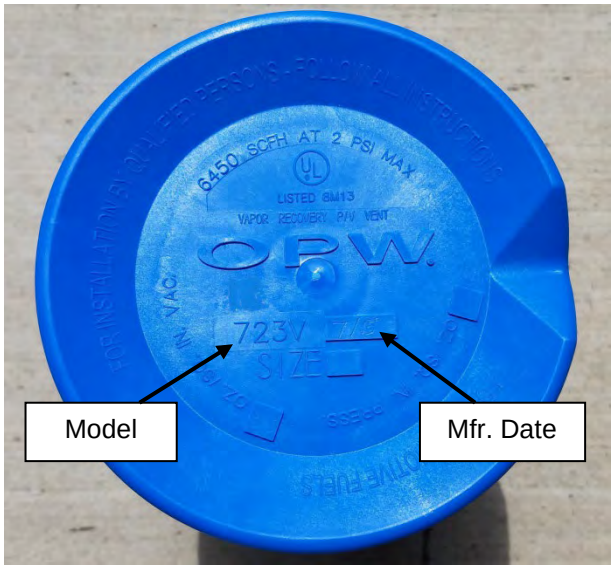
Phil-Tite SWF-100-SS Fill Adaptor

Phil-Tite SWF-101-SS Fill Adaptor

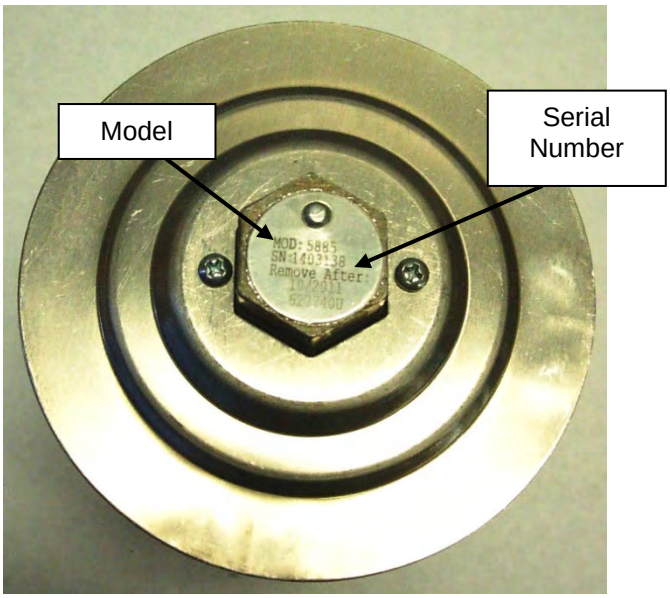
Component Identification and Location

FFS PV-Zero P/V Vent Valve (Gas/E85)
(Model and Serial Number on White Tag)

OPW 723V P/V Vent Valve (Gas/E85)



Husky 5885 P/V Vent Valve (Gas/E85)
(Husky Name on Bottom Flange)



Component Identification and Location

EBW Model 70849X1Y Overfill Prevention Device
(Gas Compatible)

EBW 70849X3Y Autolimiter
(Gas/E85 Compatible)

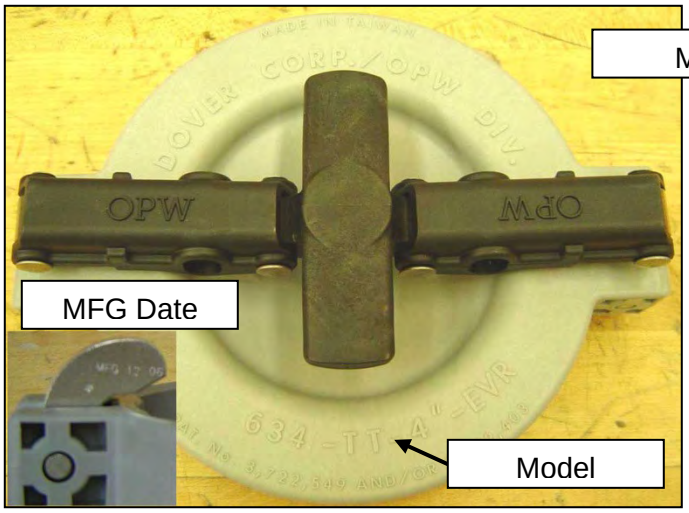
Component Identification and Location

Defender OPV series 70859X9YZ (Gas/E85 compatible)

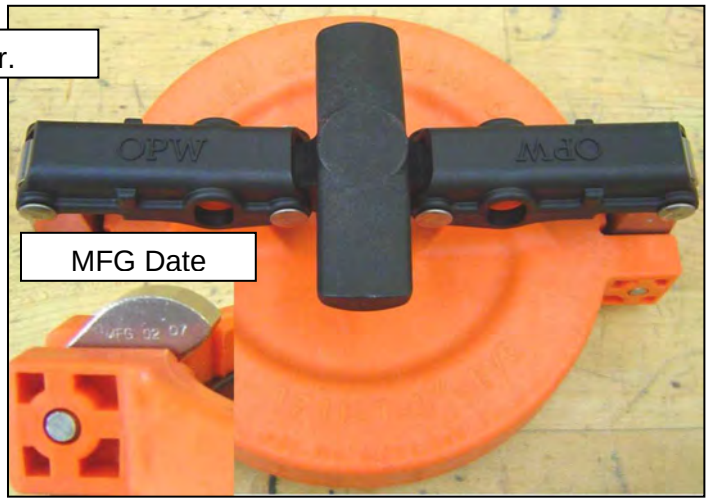
Component Identification and Location

Defender OPV series 70869X9YZ (Gas/E85 compatible)

Component Identification and Location



OPW 634-TT-EVR Product Dust Cap
(Gas/E85 Compatible)



OPW 1711-T-EVR Vapor Dust Cap
(Gas/E85 Compatible)

OPW 634LPC Product Dust Cap
(Gas Compatible)

OPW 1711LPC Vapor Dust Cap
(Gas Compatible)

Component Identification and Location

EBW 77720102 Product Dust Cap
(Gas/E85)

EBW 30430103 Vapor Dust Cap
(Gas/E85)

EBW 77720202 Product Dust Cap
(Gas/E85 Compatible)

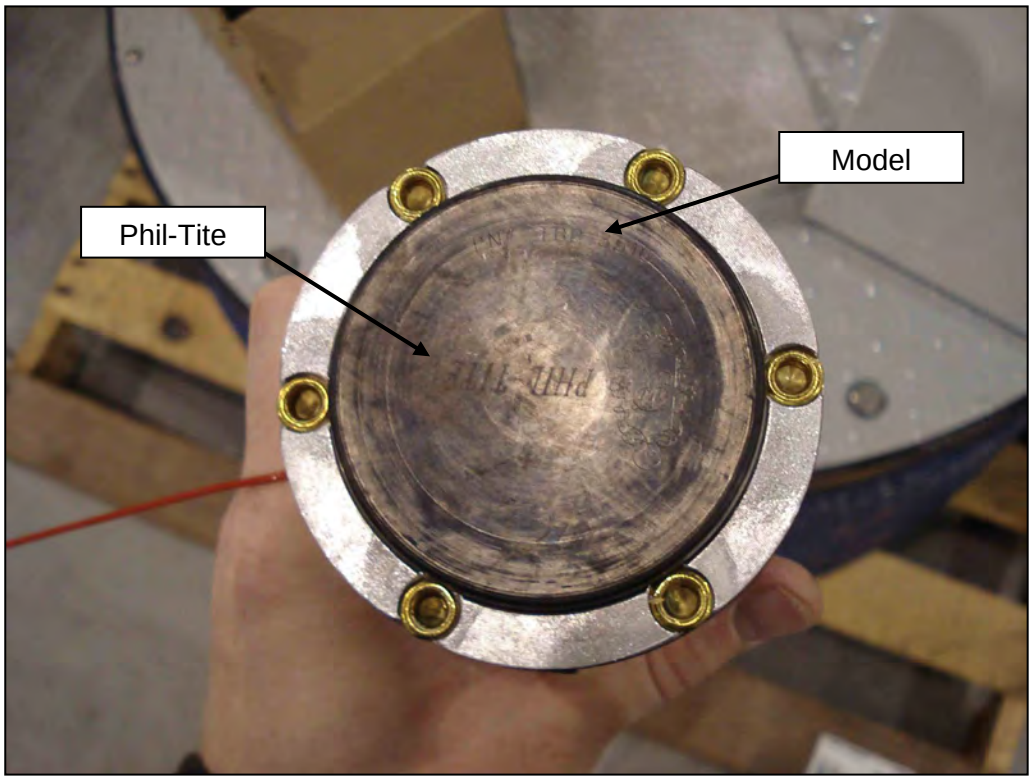
EBW 30420006 Vapor Dust Cap
(Gas/E85)

Component Identification

Morrison Brothers 323C EVR
Vapor Dust Cap
(Gas/E85 Compatible)

Morrison Brothers 305C EVR
Product Dust Cap
(Gas/E85 Compatible)

Component Identification and Location



Phil-Tite TBP-3516-E (Gas/E85) Series Tank Bottom Protector

Component Identification and Location

CompX CSP1-634LPC Product Dust Cap

CompX CSP3-1711LPC Vapor Dust Cap (Gas Only)

CompX Tank Commander Lid
Locks onto CSP1-634LPC and CSP3-1711LPC Dust Caps

Component Identification and Location

CompX CSP2-634LPC Product Dust Cap

CompX CSP4-1711LPC Vapor Dust Cap (Gas Only)

CompX Tank Commander Lid
Locks onto CSP2-634LPC and CSP4-1711LPC Dust Caps

Component Identification and Location

McGard Fuel Lock Installation Position[1]

McGard Fuel Lock (FL1 on Left, FL2 on Right)

[1] Optional component, but if installed this picture shows the correct installation location in the pipe just below the Product Rotatable Adaptor in the drop tube.

Exhibit 2

Installation, Maintenance and Compliance Specifications

This Exhibit contains the installation, maintenance and compliance standards and specifications applicable to the Franklin Fueling System (FFS) stage I Enhanced Vapor Recovery system installed in a gasoline dispensing facility (GDF). Table 2-1 summarizes the compliance standard and specification with the corresponding test method. Table 2-2 describes the maintenance interval for the FFS stage I EVR system components.

General Specifications

1. Typical installations of the FFS stage I EVR system and system components are shown in Figures 2A through 2N of the full CARB Executive Order.

2. The FFS stage I EVR system shall be installed, operated and maintained in accordance with this attachment, applicable Oregon Administrative Rules, and manufacturer's specifications.

3. Any repair or replacement of system components shall be done in accordance with this attachment, applicable Oregon Administrative Rules, and manufacturer's specifications.

4. Unless otherwise specified in this attachment or Oregon Administrative Rule, the FFS stage I EVR system shall comply with the applicable performance standards and performance specifications in CP-201.

5. Installation, maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed in accordance with this attachment, applicable Oregon Administrative Rules, and manufacturer's specifications.

Pressure/Vacuum Vent Valves For Storage Tank Vent Pipes

1. No more than three certified pressure/vacuum vent valves (P/V valves) listed in Exhibit 1 shall be installed on any GDF underground storage tank system.

2. Compliance determination of the following P/V valve performance specifications shall be at the option of the owner or operator:

    a. The leak rate of each P/V valve shall not exceed 0.05 cubic feet per hour (CFH) at 2.00 inches of H_2O positive pressure and 0.21 CFH at -4.00 inches of H_2O negative pressure as determined by TP-201.1E, Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves.

    b. The positive pressure setting is 2.5 to 6.0 inches of H_2O and the negative pressure setting is 6.0 to 10.0 inches of H_2O as determined by TP-201.1E, Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves.

3. Compliance determination of the P/V valve performance specifications in items 2a and 2b for the FFS PV-Zero P/V vent valve shall be conducted with the valve remaining in its installed position on the vent line(s). The PV-Zero portion of this attachment for the Franklin Fueling Systems Phil-Tite/EBW/FFS) stage I EVR system outlines the equipment needed to test the valve in its installed position.

4. A manifold may be installed on the vent pipes to reduce the number of potential leak sources and P/V valves installed. Vent pipe manifolds shall be constructed of steel pipe or an equivalent material that has been listed for use with gasoline. If a material other than steel is used, the GDF operator must make available, upon request, information demonstrating that the material is compatible for use with gasoline. A tee may be located in a different position, or fewer pipes may be connected, or more than one P/V valve may be installed on the manifold.

5. Each P/V valve shall have permanently affixed to it a yellow, gold, or white colored label with black lettering stating the following specifications:

Positive pressure setting: 2.5 to 6.0 inches H_2O
Negative pressure setting: 6.0 to 10.0 inches H2O
Positive Leak rate: 0.05 CFH at 2.0 inches H2O
Negative Leak rate: 0.21 CFH at –4.0 inches H2O

1. The vapor adaptor poppet shall not leak when closed. Compliance with this requirement shall be verified by the use of commercial liquid leak detection solution, or by bagging, when the vapor containment space of the underground storage tank is subjected to a non-zero gauge pressure. (Note: leak detection solution will detect leaks only when positive gauge pressure exists.)

Vapor Recovery and Product Adaptor Dust Caps

Dust caps with intact gaskets shall be installed on all stage I EVR tank adaptors.

Spill Container Drain Valve

The spill container drain valve is configured to drain liquid directly into the drop tube and is isolated from the underground storage tank ullage space. The leak rate of the drain valve shall not exceed 0.17 CFH at 2.00 inches H_2O. Depending on the presence of the drop tube overfill prevention device, compliance with this requirement shall be demonstrated in accordance with either TP-201.1C, Leak Rate of Drop Tube/Drain Valve Assembly (October 8, 2003), or TP-201.1D, Leak Rate of Drop Tube Overfill Prevention Device and Spill Container Drain Valve (October 8, 2003).

Drop Tube Overfill Prevention Device

1. The Drop Tube Overfill Prevention Device (overfill device) is designed to restrict the flow of gasoline delivered to the underground storage when liquid levels exceed a specified capacity. The drop tube overfill device is not a required component of the EVR system, but may be installed as an optional component of the system. Other requirements may apply.

2. The leak rate of the overfill device shall not exceed 0.17 CFH at 2.00 inches H_2O when tested as in accordance with TP-201.1D, Leak Rate of Drop Tube Overfill Prevention Device and Spill Container Drain Valves (October 8, 2003).

3. The discharge opening of the fill pipe must be entirely submerged when the liquid level is six inches above the bottom of the tank as shown in Figures 2A and 2D.

Riser Adaptor

For “Phil-Tite” series spill container installations, the Riser Adaptor shall provide a machined surface on which a gasket can seal and ensures that the seal is not compromised by an improperly cut or improperly finished riser. A Threaded Riser adaptor shall be installed on the following required connections. As an option, the adaptor may be installed on other connections.

a. Product Spill Container (required)
b. Vapor Recovery Spill Container (required)
c. Tank Gauging Components (required)

For “Defender Series” spill container installations, the Riser Adaptor should only be used with the NPSM (straight thread) base. The Riser Adaptor should not be used with the Defender Series Base with NPT (tapered thread) base. This is applicable for both the vapor and fill/product sides. Field conditions will dictate which base to use. If the existing riser is not cut square, those conditions will require the riser adaptor.

Vapor Recovery Riser Offset

1. The EVR tank riser may be offset from the tank connection to the vapor recovery Spill Container provided that the maximum horizontal distance (offset distance) does not exceed twenty (20) inches. One example of an offset is shown in Figure 2E.

2. A vapor recovery riser shall be offset up to 20 inches horizontal distance with use of commercially available, four (4) inch steel pipe fittings, a Phil-Tite Model M-6050 Vapor Riser Offset, or a combination of the two products. An example of a Phil-Tite Model M-6050 configuration is shown in Figure 2E.

Tank Gauge Port Components

The tank gauge adaptor and cap are paired. Therefore, an adaptor manufactured by one company shall be used only with a cap manufactured by the same company.

Warranty

Each manufacturer listed in Exhibit 1 shall include a warranty tag with the certified component(s). The manufacturer warranty tag, included with each component, shall be provided to the service station owner/operator at the time of installation.

Connections and Fittings

All connections and fittings not specifically certified with an allowable leak rate shall not leak. The absence of vapor leaks shall be verified with the use of commercial liquid leak detection solution (LDS), or by bagging, when the vapor containment space of the underground storage tank is subjected to a non-zero gauge pressure. (Note: leak detection solution will detect leaks only when positive gauge pressure exists).

Double Fill Configuration

A Defender and or Phil-Tite Double Fill Configuration shall be allowed for installation provided that no more than two fill points are installed on any single underground storage tank and that no offset of the vapor recovery riser pipe is installed. An example of this configuration is shown in Figure 2C.

Maintenance Records

Each GDF operator or owner shall keep records of maintenance performed at the facility. Such record shall be maintained on site or otherwise readily available for review during the course of an on-site inspection. Additional information may be required in accordance with permit or OAR requirements. The records shall include the maintenance or test date, repair date to correct test failure, maintenance or test performed, affiliation, telephone number, and the name of the individual conducting maintenance or test. An example of a Stage I EVR Maintenance Record is shown in Figure 2O.

Table 2-1
Gasoline Dispensing Facility Compliance Standards and Specifications

Component / System	Test Method	Standard or Specification
Rotatable Phase I Adaptors	TP-201.1B	Minimum, 360-degree rotation Maximum, 108 pound-inch average static torque
Overfill Prevention Device	TP-201.1D	≤0.17 CFH at 2.00 inches H_2O
Spill Container Drain Valve	TP-201.1C or TP-201.1D	≤0.17 CFH at 2.00 inches H_2O
P/V Valve[1.]	TP-201.1E	Positive pressure setting: 2.5 to 6.0 inches H_2O Negative pressure setting: 6.0 to 10.0 inches H_2O Positive Leakrate: 0.05 CFH at 2.0 inches H_2O Negative Leakrate: 0.21 CFH at -4.0 inches H_2O
Vapor Recovery System	TP-201.3	As specified in TP-201.3 and/or CP-201
Connections and fittings certified without an allowable leak rate	Leak Detection Solution or bagging	No leaks

[1.] Compliance determination is at the option of the district.

Table 2-2
Maintenance Intervals for System Components[2]

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Manufacturer	Component	Maintenance Interval
All Models	Dust Caps	Annual
All Models	In Tank Gauge Port Probe Cap and Adaptor Kit	Annual
FFS	Drop Tube Overfill Prevention Device 70849X1Y series Drop Tube Overfill Prevention Device 70849X3Y series Drop Tube Overfill Prevention Device 70859X9YZ series Drop Tube Overfill Prevention Device 70869X9YZ series	Annual
FFS	782 Straight Drop Tube	Annual
Husky	Pressure/Vacuum Vent Valve	Annual
FFS	Pressure/Vacuum Vent Valve	Annual
OPW	Pressure/Vacuum Vent Valve	Annual
OPW	61-T Straight Drop Tube	Annual
FFS	Spill Container (all models)	Every 3 years
FFS	SWF-100-B Product Adaptor SWF-100-SS Product Adaptor	Annual
FFS	SWV-101-B Vapor Adaptor SWV-101-SS Vapor Adaptor	Annual

[2] Maintenance must be conducted within the interval specified from the date of installation and at least within the specified interval thereafter.

Figure 2O

Example of a GDF Stage I Maintenance Record

Date of Maintenance/ Test/Inspection/ Failure	Repair Date to Correct Test Failure	Maintenance/Test/Inspection Performed and Outcome	Affiliation	Name of Individual Conducting Maintenance or Test(s)	Telephone Number

State of Oregon
Department of
Environmental
Quality

Installation, Operation and Maintenance Manual

For Executive Order

VR-101-V
Franklin Fueling Systems, Inc.
Phil-Tite/EBW/FFS Stage I Enhanced
Vapor Recovery System

NOTICE:

This Installation, Operation and Maintenance Manual for the Franklin Fueling System stage I EVR System describes the tools and methods required to install the FFS stage I EVR System. While Oregon DEQ does not require specific certification or training to install, maintain, or repair stage I EVR systems, owners or operators may elect to contract with certified technicians.

Note: CARB requires that only technicians trained and certified by FFS (i.e. FFS Certified Technicians) are able to perform installation, maintenance or repairs of components manufactured by FFS or the warranty will be void. A list of FFS Certified Technicians can be viewed at http://www.franklinfueling.com/service/.

To schedule a training class, FFS can be contacted at the following:

Enhanced Vapor Recovery Systems
Franklin Fueling Systems
Phone: 800-225-9787
Email: techserve@franklinfueling.com

It is the responsibility of each service provider or technician to be familiar with the current requirements of state, federal and local codes for installation and repair of gasoline dispensing equipment. It is also the responsibility of the service provider or technician to be aware of all necessary safety precautions and site safety requirements to assure a safe and trouble free installation.

In addition to the requirements included in this attachment, the owner or operator of a GDF may wish to obtain a warranty tag for each stage I EVR component installed. Warranty tags are described in more detail in the CARB Executive Orders and may be included with each component, to the service station owner/operator at the time of installation.

Summary of Maintenance Activities Required of the **FFS Stage I EVR System**[1]		
Component	**Interval**	**Maintenance To Be Performed**
Spill Container Drain Valve **Phil-Tite "All Models with Drain Valves"**	Every year inspection; every 24 months for testing	• Inspect the black spill container and remove any standing liquid, grit, sand, debris or dirt from inside the spill container. • If the drain valve assembly, drop tube and spill container passes testing, no further maintenance is necessary. If the drop tube, or the drain valve assembly, or the spill container fails testing perform the steps listed below. **Spill Container with Drain Valve Maintenance Instructions** • Check the product swivel adaptor for any leakage. Replace the ¼" flat seal (85039) if suspected of leaking; see product and vapor swivel adaptor maintenance. Any leakage from the swivel adaptor seal or thru the swivel adaptor will mask the test results toward failure. Eliminate any leakage thru the product swivel adaptor. • If the spill container drain valve is suspected of leaking perform steps 1 thru 5. • If the spill container to riser adaptor/tank riser flat seal and/or the drop tube seal are suspected of leaking, perform steps 6 thru 10. *Note: For FFS EVR Phil-Tite Spill Container Installations the drop tube must be installed under the spill container. If not this could possibly be the source of any leaks. Install the drop tube under the spill container.* **1.** Remove the stainless retainer-ring from the inside of the spill container. Ensure the gray foam filter (602026001) is free of any debris, grit, sand, dirt, and liquid. The purpose of the foam filter is to trap and hold any debris (grit, dirt, sand, etc.) from reaching the drain valve and drain holes, blocking them from draining properly. This filter greatly improves the longevity and proper operation of the drain valve assembly. Replace the foam filter (602026001) if it is torn, has tears, and/or is damaged. **2.** With the retainer ring removed, loosen and remove the drain valve top hex screw from the top clamp. With the drain valve handle position in the middle of the spill container remove the drain valve and handle assembly by pulling up on the drain valve handle. **(Spill Container Drain Valve continued next page)**

[1] These maintenance requirements shall not circumvent use of the manufacturer's installation and maintenance instructions. Maintenance contractors or owner/operators shall refer to the manufacturers complete installation and maintenance instructions to ensure that all maintenance and torque requirements are met. Maintenance must be conducted within the interval specified from the date of installation and at least within the specified interval thereafter.

Spill Container Drain Valve (continued) **Phil-Tite "All Models with Drain Valves"**	Every year inspection; every 24 months for testing	**3.** Inspect the drain valve-screen assembly and ensure there are no cracks or cuts. Inspect the shut-off collar for nicks, cuts, wrapped, etc. If the above are damage, replace the drain valve assembly (85400). **4.** Remove any liquid and debris (sand, grit, dirt, dust, etc.) that may be under the drain valve assembly. Check the drain valve "O"-Ring (85035) for any wear, cuts, tears and debris. Clean and/or replace if necessary. **5.** Reinstall the drain valve and handle assembly (85400) using the Installation and Adjustment instructions found within IOM. Check the drain valve handle for proper operation. NOTE: The drain valve handle must snap into place when moved to the closed position! Re-adjust if necessary. **6.** Remove the black spill container using an approved installation/extraction tool (T-7101 or T-7002, Black) from Phil-Tite T-7043 Tool Kit. **7.** Inspect the ¼" flat seal (85039) (black spill container to M/F 4X4 riser adaptor seal) for cuts or damage, replace if necessary. **8.** If there is no M/F 4X4 riser adaptor installed on top of the tank riser this could be the reason for failing TP-201.1C performance test. Install a Phil-Tite M/F 4X4 Riser Adaptor. Note: Install only one (1) M/F 4X4 Riser adaptor per tank riser. Two or more on top of a single tank riser will cause test failures. **9.** Inspect the drop tube round seal for correct installation, cuts or damage, replace if necessary (85039-DT). Note: The drop tube seal must be Phil-Tite's special round seal (85039-DT), Do Not use a standard 'O'-Ring. **10.** Reinstall the black spill container using the installation instructions provided, and perform ARB test procedure TP-201.1C – Leak Rate of Drop Tube/ Drain Valve Assembly.
(Spill Container Drain Valve continued next page) **(Spill Container Drain Valve continued)**	Every year inspection; every 24 months for testing	1. Perform ARB test procedure TP-201.1C – Leak Rate of Drop Tube/Drain Valve assembly.

Summary of Maintenance Activities Required of the **FFS Stage I EVR System[1]**		
Component	**Interval**	**Maintenance To Be Performed**
Defender Series with EBW 70533729 **EBW Series with 70533719 Drain Valve; or 70533729 Drain Valve**	Every year inspection; every 24 months for testing	2. Clean any sand, gravel, or dirt from the snow plow ring. Buildup of material will prevent the manhole lid from sitting flat and diverting rain water. In addition to water infiltration, this can lead to premature lid failures and tripping hazards. 3. Inspect the cover gasket and replace if necessary. 4. Inspect the spill container for the presence of liquid. If any is present, identify the material (water of fuel) and dispose of it using your preferred acceptable method (pump it out or drain it into the tank). 5. Inspect the primary spill container and drain valve screen for any foreign material collecting in the area. Remove any large objects, (leaves, rags, etc.) and wipe the bottom of the tank with a disposable rag. *Note: For Defender EVR installations, the Defender Spill Container is installed first on the UST Fill Riser. The Drop Tube is installed through the installed spill container before installing the Drop Tube Riser Clamp inside the spill container.* 6. Inspect the entire spill container assembly and any components for obvious damage. Verify that all components are functioning properly. 7. Record inspection results.

1

[1] These maintenance requirements shall not circumvent use of the manufacturer's installation and maintenance instructions. Maintenance contractors or owner/operators shall refer to the manufacturers complete installation and maintenance instructions to ensure that all maintenance and torque requirements are met. Maintenance must be conducted within the interval specified from the date of installation and at least within the specified interval thereafter.

Summary of Maintenance Activities Required of the FFS Stage I EVR System[1] (continued)		
Component	Interval	Maintenance To Be Performed
Pressure/Vacuum Vent Valve FFS Model 407215901 PV-Zero (Gas/E85)	Annual	1. Visual inspect housing, pipe, fittings and rain cap for obvious signs of damage, missing parts or fluid leaks. 2. Visually inspect the rain cap, from ground level, for signs of bird nests or insect activity. 3. Every year, drain and inspect the fill fluid per the Fluid Inspection Procedure.
Pressure/Vacuum Vent Valve Husky Model 5885	Annual	1. Remove screws that hold top cover on. 2. Remove any debris that might be sitting inside the lower cover. 3. Check the drain holes in the lower cover for blockage. 4. Do not remove the two (2) screens. 5. Reinstall the top cover and retaining screws. 6. Tighten the screws firmly.
Pressure/Vacuum Vent Valve OPW Model 723V	Annual	Upper Screen Maintenance 1. Remove vent top by depressing tabs and lift top upwards. 2. Clean and replace filter screen as necessary. 3. Reinstall vent top by inserting into the body. Lower Screen Maintenance 1. Remove valve assembly from pipe adaptor. Grip assembly at the flats just above the pipe adaptor and unscrew. 2. Lift the filter screen out and clean or replace as necessary. 3. Reinstall filter screen in the pipe adaptor. 4. Reinstall valve assembly on pipe adaptor and tighten.
Dust Caps	Annual	Visually inspect the seal in cap and replace if damaged or missing.
Drop Tubes OPW 61T EBW 782-204-1 EBW 782-204-3	Every year inspection; every 24 months for testing	• Visually inspect Drop Tube to see if it is installed and ensure that the bottom of tube is within 6 inches of the bottom of tank. • Test the drop tube seal with procedure TP-201.1C. If the drop tube seal passes testing, no further maintenance is required. If the drop tube seal fails testing, replace the drop tube seal with Phil-Tite 85039-DT "O"-ring. • Re-test the drop tube seal with procedure TP-201.1C.
Overfill Prevention Devices	Annual	• Annually, inspect the valve for any noticeable damage by looking down the drop tube opening. If any damage is observed, the valve must be replaced. • Test the seals with procedure TP-201.1D. If the drop tube passes testing, no further maintenance is required. If the drop tube fails testing, replace the drop tube seal with Phil-Tite 85039-DT. • Re-test the valve with procedure TP-201.1D. If this does not correct the leak the valve needs to be replaced.

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Summary of Maintenance Activities Required of the FFS Stage I EVR System[1] (continued)		
Component	Interval	Maintenance To Be Performed
Vapor Recovery Adaptor Phil-Tite SWV-101-B and SWV-101-SS	Every year inspection; every 24 months for testing	*The Phil-Tite rotatable adaptors are not field serviceable, with the exception of the vapor swivel poppet 'O'-Ring found on the Vapor swivel adaptor (SWV-101-B and SWV-101-SS).* The swivel tops should rotate 360 degrees by hand. If you can rotate the swivel tops by hand you are applying less than 108 in. lbs. of static torque. If a leak is found in the vapor top poppet, inspect the brass/stainless steel vapor top for 'out of round' condition. Check the poppet 'O'-Ring seal for sand, dirt, dust, grit and abrasions between the poppet 'O'-Ring and the brass/stainless steel sealing surface. (These conditions are not covered by the warranty.) To check and/or replace the vapor swivel poppet 'O'-Ring: 1. Remove the vapor swivel adaptor (SWV-101-B or SWV-101-SS) from the black spill container riser using the special tool adaptor (T-7102, orange) from the Phil-Tite Tool Kit (T-7043). 2. Using a small blade common screwdriver remove the ¼ inch flat seal gasket from the bottom of the vapor adaptor. 3. Push down on the brass/stainless steel spider a ½ inch or so, using a small blade common screwdriver, remove the retainer ring. (Warning: The spider and spring assembly are spring loaded.) This will release the spider assembly, spring, and poppet assembly. By hand, carefully remove these parts. 4. With the vapor poppet assembly removed, inspect the poppet and poppet 'O'-Ring for cuts, tears or damage. Replace the 'O'-Ring if necessary. Before re-assembly spray a small amount of Silicone Spray on the poppet 'O'-Ring. NOTE: DO NOT USE ANY TYPE OF OIL OR GREASE. 5. Re-assemble the vapor poppet, spring and brass/stainless steel spider in the reverse order from which they were removed.
(Vapor Recovery Adaptor) continued next page)		

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Summary of Maintenance Activities Required of the FFS Stage I EVR System[1] (continued)		
Component	Interval	Maintenance To Be Performed
Vapor Recovery Adaptor Phil-Tite SWV-101-B and SWV-101-SS (continued)		6. Install the retainer ring and actuate the poppet by hand, making sure the assembly is secure and actuates properly. 7. Using a very small screwdriver, Install a new ¼ inch flat seal (85039). Make sure the ¼ inch flat seal is seated against the sealing surface below the swivel adaptor threads. 8. Reinstall the SWV-101-B or SWV-101-SS vapor swivel on the black spill container riser as described in the "Installation Instructions" and properly torque the swivel adaptor on the spill container riser between 50 and 75 ft. lbs. **Important: Apply an even coating of silicone based spray or a light coating of anti-seize compound to the male threads of the spill container riser and/or the swivel adaptor female threads. This will reduce the friction between these threads during installation and aid in removal of the swivel adaptor at a later date.**
Tank Gauge Components Morrison Brothers 305 series Veeder-Root 312020-952 EBW 90037 E	Annual	Visually inspect cap to see that it is not missing any seals and is properly installed. Whenever probe service is necessary, also inspect the service cap seal for damage and replace, if necessary, at that time.

[1] These maintenance requirements shall not circumvent use of the manufacturer's installation and maintenance instructions. Maintenance contractors or owner/operators shall refer to the manufacturers complete installation and maintenance instructions to ensure that all maintenance and torque requirements are met. Maintenance must be conducted within the interval specified from the date of installation and at least within the specified interval thereafter.

Summary of Maintenance Activities Required of the FFS Stage I EVR System[1] (continued)		
Component	**Interval**	**Maintenance To Be Performed**
Spill Container Lid Phil-Tite 85011 (Spill Container Lid continued next page)	Every year inspection; every 24 months for testing	***NOTE: DO NOT USE ANY PETROLEUM PRODUCTS ON THE WIPER SEAL, CAST IRON LID, OR THE STAINLESS STEEL SLEEVE.*** • Clean the wiper seal using a clean rag and silicone spray. The Wiper Seal must be free of any dirt, dust and/or film build up. If unable to properly clean, replace the wiper seal (SC-1513V). Check the Wiper Seal for Flexibility: 1. Place your thumbs on the outer surface of the seal approximately 4-6 inches apart. Push your thumbs toward each other. The wiper seal should have some movement between your thumbs. If there is no movement or flexibility, the wiper seal must be replaced and/or removed, cleaned, and rechecked. 2. Remove the wiper seal and clean the groove in the cast iron lid of any dirt or dust build up by using a clean rag and silicone spray. The use of a blunt tool may be required to remove any build up. 3. Clean all surfaces of the wiper seal using a clean rag and silicone spray. Any dirt or dust build up in the "U" section of the seal must be removed. The use of a wooden or plastic tipped instrument along with silicone spray may be required. If unable to properly clean, replace the wiper seal (SC-1513V). Installing the Wiper Seal (SC-1513V) into the Groove of the Cast Iron Lid 1. Install the wiper seal in the cast iron lid groove with the small (wiper) bulge facing outward and pointing upwards. Check the circumference of the installed seal for any twists or incorrect alignment of the seal in the groove.

[1] These maintenance requirements shall not circumvent use of the manufacturer's installation and maintenance instructions. Maintenance contractors or owner/operators shall refer to the manufacturers complete installation and maintenance instructions to ensure that all maintenance and torque requirements are met. Maintenance must be conducted within the interval specified from the date of installation and at least within the specified interval thereafter..

Summary of Maintenance Activities Required of the **FFS Stage I EVR System[1] (continued)**		
Component	**Interval**	**Maintenance To Be Performed**
Spill Container Lid Phil-Tite 85011 EBW/Defender Lids 7054401X	Every year inspection; every 24 months for testing	Check the Stainless Steel Sleeve for Cleanliness 1. Clean the area of the stainless steel sleeve where the wiper seal makes contact with the sleeve. Using a clean rag and silicone spray, wipe this area free of any dirt, dust and/or film build up. Reinsert the Lid with Wiper Seal over the Spill Container and into the Stainless Steel Sleeve. *Note: To ease installation use <u>silicone spray on the exposed surface of the wiper seal and on the lip of the stainless steel sleeve where the wiper seal makes contact. Do not use any petroleum products.</u>* • Push down on the cast iron lid until it seats into the stainless steel sleeve. • Hold the cast iron lid until it seats into the stainless steel sleeve. • If the cast iron lid does not stay seated, wait five (5) seconds then push down on the cast iron lid again. You will feel the cast iron lid go down and seat into the stainless steel sleeve. • Repeat this process until the cast iron lid stays seated in the stainless steel sleeve. • Wipe lid seal and spill container sealing surface with a rage to remove any dirt/debris. • Inspect the lid seal for any damage and replace if necessary. • Inspect the spill container sealing surface for any damage and replace if necessary. • • • (End of maintenance table.) .

These maintenance requirements shall not circumvent use of the manufacturer's installation and maintenance instructions. Maintenance contractors or owner/operators shall refer to the manufacturers complete installation and maintenance instructions to ensure that all maintenance and torque requirements are met. Maintenance must be conducted within the interval specified from the date of installation and at least within the specified interval thereafter

1

Franklin Fueling Systems
Stage I EVR Equipment Installation Check List
Installing Components per Executive Order VR-101

Date: _____

Site Location:*(name)* _____ Installing Contractor:(name

_____

Address_____ Address

_____

City/State

_____City/State_____

Contact/Phone_____Contact/Phone

_____

Tank Number:_____ Product:_____ Capacity:_____

Yes/No	Initials

Tank Number:_____ Product:_____

Capacity:_____

Tank Number:_____ Product:_____

Capacity:_____

Installing Technician: *(name)*:_____

Technician Certification Number:_____ Signature: _____

____

1. Is all of the installed equipment for Stage I EVR listed in Executive Order (E.O.) VR-101-O?

Note: All Stage I installed equipment must be listed in an E.O. within this attachment. If other approved equipment is installed, explain which components were substituted in this checklist. Mark/check off each item installed.

Yes/No	Initials

2. Have all tank risers been cut to the correct lengths and correctly installed into the tank bungs using an approved pipe dope?

Yes/No	Initials
Yes/No	Initials

3. For sites equipped with Phil-Tite series spill containers, and Defender Series spill containers with straight (NPSM) threads, do all tank risers that have a gasket/seal cap and/or spill containers have an M/F 4X4 Riser Adaptor installed?

a. Are all M/F 4X4 Riser Adaptors installed onto tank risers using approved pipe dope and torque to _____ ft. lbs.?

Yes/No	Initials

4. If a mechanical overfill prevention drop tube is installed, has the sealant (epoxy) been allowed to cure a minimum of 4 hours before installation? (EBW 70849X-1Y & 70849X-3Yonly)

5. For sites equipped with Phil-Tite series spill containers, on the fill riser – Is the Drop Tube installed (under the spill container) using Phil-Tite Special 'O' Ring (85039-DT) with the flared end on top of the M/F 4X4 Riser Adaptor?
6. For sites equipped with Defender spill containers, on the fill riser, is the Drop Tube installed inside the spill container and under the Drop Tube Riser Clamp.

Note: EBW 70849X1Y and EBW 70849X-3Y drop tubes with mechanical overfill prevention valves must be cut to the correct length and the upper end flared using Flaring Tool T-6100-FT before installing into the tank riser.

Franklin Fueling Systems
Stage I EVR Equipment Installation Check List (con't.)
Installing Products per ARB Executive Order VR-101-O

Yes/No	Initials

7. For sites equipped with Phil-Tite series spill containers, are they installed onto the M/F 4X4 riser adaptors using approved anti- seize compound or silicone spray and torque to _____ ft. lbs.?

Yes/No	Initials

8. Are the Fill and Vapor Swivel Adaptors installed onto the spill container risers using an approved anti-seizing compound or spray silicone and torque to_____ ft. lbs.?

Yes/No	Initials
Yes/No	Initials

8. Pressure Vacuum Vent Valve – Is there a P/V Vent valve installed on the top of each (Gas or Gas/E85) vent pipe (a maximum of three EVR P/V valves per GDF) or manifold?

a. P/V vent valve(s) torque to _____ ft. lbs.

Yes/No	Initials
Yes/No	Initials
Yes/No	Initials

9. Tank Gauge Port Cap and Adaptor – If installed,

a. Has an M/F 4X4 Riser Adaptor been installed onto the tank gauge riser using an approved pipe dope and torque to _____ ft. lbs.

b. Is the Tank Gauge Adaptor installed onto the M/F/ 4X4 riser adaptor using an approved anti-seize compound and torque to _____ ft. lbs.?

FFS Stage I Vapor Recovery System Exhibit 1 Equipment Checklist

On line below, write out what configuration you used. Follow the legend below for each series spill container.

Configuration used: _____

(Gas/E85) = Identifies equipment approved for use with standard gasoline fuel blends and E85
(Gas) = Identifies equipment approved for use only with standard gasoline fuel blends

Equipment | **Manufacturer/Model Number**

Spill Container (Phil-Tite Series)

- ☐ Phil-Tite 85100-1 and 85100 Series (Gas/E85)

(Replacement only for existing installations)

8510X-1 and 8510X legend:
X represented by:

- ☐ 0 = product spill container
- ☐ 0-EXT = product spill container w extension collar
- ☐ 1 = vapor spill container
- ☐ 1-EXT = vapor spill container w extension collar

Spill Container (Defender Series)

- ☐ EBW Defender 705 Series* (Gas/E85)

Defender 705 Series Legend* (Gas/E85)
7055XYZAB where XYZAB is represented by:
X = containment

- ☐ 4 = singe wall
- ☐ 5 = double wall

Y = installation

- ☐ 2 = multiport bucket
- ☐ 5 = direct bury

Z = interstitial monitoring method

- ☐ 0 = no sensor/gauge (i.e. single wall)
- ☐ 1 = I2 monitor (float gauge, visual)
- ☐ 2 = TSP-ULS (electronic sensor)

A = spill container base thread**

- ☐ 0 = NPSM (straight thread)
- ☐ 1 = NPT (taper thread)

B = drain valve

- ☐ 1 = with drain valve (typical on product/fill side)
- ☐ 2 = without drain valve (typical on vapor side)

EBW Series

- ☐ EBW 7XX49Y0Z

EBW Series Legend

XX indicates spill bucket size:

- ☐ 05 = 5 gallon
- ☐ 15 = 15 gallon

Equipment	**Manufacturer/Model Number**
	Y indicates level: □ 0 = grade level with cast iron base (5 gal only) □ 2 = below grade level with cast iron base (5 & 15 gal) Z indicates drain valve: □ 1 = drain valve □ 2 = no drain valve

*May be installed in direct bury or multi-port configurations including single fill or double tank riser orientations.

**NPSM base thread spill containers (straight thread) are designed for use with the Phil-Tite M/F 4X4 Riser Adaptor at sites where the NPT threads of the tank riser are not cut flat or square. NPT base spill containers (taper thread) do not require use of Phil Tite M/F Riser Adaptor at sites where the NPT threads of the tank riser are flat and cut square.

Spill Container Lid (Phil-Tite Series Spill Containers)	□ Phil-Tite 85011 (Gas/E85)
Spill Container Lid (Defender and EBW Series)	□ EBW 7054401X (Gas/E85) X = Lid Color
Replacement Drain Valve (Phil-Tite Series Spill Containers)	□ Phil-Tite 85400 (Gas/E85)
Replacement Drain Valve (Defender Series Spill Containers)	□ EBW 70533729 (Gas/E85)
Replacement Drain Valve (EBW Series Spill Container)	□ EBW 70533719 (Gas)
Drain Valve Blank Kit EBW Series Spill Container	□ EBW 90022
Drain Valve Blank Kit (Defender Series Spill Container)	□ EBW 9002201
Drain Valve Isolation Kit (EBW Series Spill Containers)	□ EBW 70825501
Drain Valve Isolation Test Kit (EBW Series Spill Containers)	□ EBW 90079

Equipment	**Manufacturer/Model Number**
Product Adaptor	☐ Phil-Tite SWF-100-B (Gas) ☐ Phil-Tite SWF-100-SS (Gas/E85)
Vapor Adaptor	☐ Phil-Tite SWV-101-B (Gas) ☐ Phil-Tite SWV-101-SS (Gas/E85)
Riser Adaptor	☐ Phil-Tite M/F 4X4* (Gas/E85) ☐ Phil-Tite M/F 4X4-R* (Gas/E85)
Riser Support Bracket	☐ Phil Tite M 1600 (Gas/E85)
Drop Tube Riser Clamp (Defender Series Spill Containers)	☐ FFS 70550901EC (Gas/E85)
Dust Cap	☐ Morrison Brothers 323C-0100ACEVR (vapor) (Gas/E85) ☐ Morrison Brothers 305C-0100ACEVR (product)(Gas/E85) ☐ OPW 1711T-EVR (vapor) (Gas/E85) ☐ OPW 634TT-EVR (product) (Gas/E85) ☐ OPW 634LPC (product) (Gas) ☐ OPW 1711LPC (vapor) (Gas) ☐ CompX CSP1-634LPC (product) (Gas) ☐ CompX CSP3-1711LPC (vapor) (Gas) ☐ CompX CSP2-634LPC (product) (Gas) ☐ CompX CSP4-1711LPC (vapor) (Gas) ☐ EBW 77720102 (product) (Gas/E85) ☐ EBW 77720202 (product) (Gas/E85) ☐ EBW 30420006 (vapor) (Gas/E85) ☐ EBW 30430103 (vapor) (Gas/E85)
Pressure/Vacuum Vent Valve	☐ FFS PV-Zero 407215901 (Gas/E85) ☐ Husky 5885 (Gas/E85) ☐ OPW 723V (Gas/E85)
Tank Gauge Port Components	☐ Veeder-Root 312020-952 (cap and adaptor kit) (Gas/E85) ☐ Morrison Brothers 305XPA1100AKEVR (cap and adaptor kit) (Gas/E85) ☐ Morrison Brothers 305-0200AAEVR (replacement adaptor) (Gas/E85) ☐ Morrison Brothers 305XP-110ACEVR (replacement cap) (Gas/E85) ☐ EBW 90037-E (In Tank Probe Cap and Adapter Kit) (Gas/E85)
Drop Tube Overfill Prevention Device[1]	☐ Defender Series OPV 70859X9YZ, 70869X9YZ (Gas/E85) Defender Series OPV legend X = upper drop tube length: ☐ 1 = 5 feet ☐ 2 = 10 feet Y = Tube compatibility:

Equipment	**Manufacturer/Model Number**
	□ 0 = Gas □ 2 = Gas/E85 Z = lower drop tube length: □ 1 = 8 feet □ 2 = 10 feet □ EBW 70849X1Y (Gas) □ EBW 70849X3Y (Gas/E85) X represented by: □ 1 = 5 foot length upper drop tube section □ 2 = 10 foot length upper drop tube section Y represented by: □ 1 = 8 foot length bottom thread on section drop tube □ 2 = 10 foot length bottom thread on section drop tube
Drop Tube[1]	□ OPW 61-T (various lengths) (Gas) □ EBW 7822041X-2 (X = various lengths) (Gas) □ EBW 7822043X-2 (X = various lengths) (Gas/E85)
Riser Offset[1]	□ Phil-Tite M-6050-X (x = various offsets) (Gas/E85)
Double Fill[1] Tank Riser Configuration	□ Phil Tite (configuration only) (Gas/E85) □ Defender (configuration only) (Gas/E85)
Tank Bottom Protector[1]	□ Phil-TiteTBP-3516-E (Gas/E85)
Fuel Lock[1]	□ McGard FL1 – Stick Only Fuel Lock (125007) (Gas) □ McGard FL2 – Stick/Sampling Fuel Lock (125008) (Gas)
Bladder Plug	□ McGard PSI104 (Gas)

[1] If these components are installed, only those, components and model numbers specified above shall be installed or used.

NOTE:

(Gas/E85) = Identifies that these components are approved for standard gasoline and E85 fuel blends.

(Gas) = Identifies that these components are only approved for standard gasoline fuel blends.

Table 1
Components Exempt from Identification Requirements

Component Name	Manufacturer	Model Number
Drop Tube	OPW EBW EBW	61-T Straight Drop Tube (Gas) 7822041X-2 (X = various lengths) (Gas) 7822043X-2 (X = various lengths) (Gas)
Dust Caps	Morrison Brothers	323C-0100ACEVR (vapor)* (Gas/E85) 305C-0100ACEVR (product)* (Gas/E85)
Tank Gauge Port Components	Veeder-Root	312020-952 (cap & adaptor) (Gas/E85)
	Morrison Brothers	305XPA1100AKEVR (cap and adaptor kit) (Gas/E85) 305-0200AAEVR (replacement adaptor) (Gas/E85) 305XP-1100ACEVR (replacement cap) (Gas/E85)
	EBW	90037-E (In Tank Probe Cap and Adaptor Kit) (Gas/E85)
Riser Adaptor	Phil-Tite	M/F 4X4 (Gas/E85) M/F 4X4-R (Gas/E85)
Riser Offset	Phil-Tite	M-6050-X (X = various offsets) (Gas/E85)
Riser Support Bracket	Phil-Tite	M-1600 (Gas/E85)
Spill Container Lid	Phil-Tite EBW	85011 (Gas/E85) 7054401X (Gas/E85)
Sump/Sump Lids	Varies	Varies (Gas/E85)
Drop Tube Riser Clamp	FFS	70550901EC (Gas/E85)
Replacement Drain Valve	EBW	EBW 70533729 EBW 70533719
Fuel Lock	McGard	FL1, FL2

* Morrison Brothers dust caps identified as 323C EVR and 305C EVR respectively.

Overfill Prevention Valve Installation Record Sheet

Date Installed _____ **Valve Serial Number** _ _ _ 5 0 _ _ _ _ _ _ _ O

Site information

Site # / Description _____

Site Address _____

Site Contact _____

Installing Contractor

Name _____

Company _____

Tank Information

Product Type _____

Underground Tank Manufacturer _____

Tank Full Volume _____

Tank Diameter _____

Tank Chart Available? ☐ Yes ☐ No

Tank Type ☐ Steel ☐ Fiberglass

☐ Square ☐ Cylinder ☐ Dome Ends

Tank have compartments? ☐ Yes ☐ No

Tank/Drop Tube Measurements

Upper Drop Tube Length (X) _____

Lower Drop Tube Length (Y) _____

Distance from Lower Drop tube to tank bottom _____

Dimensions

A _____

B _____

Operational Inspection Procedure Performed

☐ Yes

☐ No _____ _____

Initials *Date*

Franklin Fueling Systems • 3760 Marsh Rd. • Madison, WI 53718 USA

Tel: +1 608 838 8786 • 800 225 9787 • Fax: +1 608 838 6433 • www.franklinfueling.com