

Modification Highlights for VR-204 Revision H

Executive Order

- Explanatory paragraph has been added to legal language regarding Veeder Root ISD software version 1.03 and document title, headers, and footers have been updated to reflect latest revision, VR-204-H.
- Document headers and footers in all Exhibits revised to reflect VR-204-H.
- **The following was added to Executive Order legal language:**
 - ***“...Equipment shall be inspected daily, weekly, quarterly, and annually per the procedures identified in the ARB Approved installation, Operation, and Maintenance Manual. These inspections shall also apply to systems certified by Executive Orders VR-204-A to G...”***
- Renumbered exhibits for simplicity and changed all Executive Order documents to reference revised exhibit numbers.
- Merged Exhibit 7 warranty information into Exhibit 3.
- Exhibit 1, Page 5, changed ISD Software version from 1.02 to 1.03
- Exhibit 2, Page 9, revised language as follows:

“Shutdown Control

The TLS Console must be wired per the Veeder-Root ISD Install, Setup and Operation Manual 577013-937 Rev. D of the ARB Approved Installation, Operation and Maintenance Manual for the VST Phase II EVR System Including the Veeder-Root ISD System such that it shall automatically prohibit the dispensing of individual dispensers or through shutdown of all the gasoline turbine pumps during a CP-201 ISD failure alarm. It shall also automatically prohibit the dispensing of all dispensers during a TLS Console ISD system power loss.”

- Exhibit 10, VST ECS / Veeder-Root Vapor Polisher Vapor Pressure Sensor Verification Test Procedure, section 3.2 added and sections 4.1, 5.3 and 8.1 modified to address the limited range of the Veeder Root pressure sensor if the vacuum level in the headspace of the underground storage tank exceeds negative five inches water column.
- Exhibit 17 (Previously Exhibit 13), Page 5, added paragraph to section 3.2 that reads:

“If this command does not provide results for all vapor flow meters installed at the GDF, the last two digits of the command can be altered to obtain individual flow meter readings. Therefore, it is acceptable to enter the following alternate command: IV87XX; when XX=any value from 00 to 18 (18 is the maximum number of flow meters that a single TLD 350 can accommodate).”

Installation, Operation and Maintenance Manual

Add daily inspection procedure to Section 2 of the IOM for VST Nozzles

The following changes were only made to the Veeder-Root ISD Install, Setup, & Operation Manual:

- Page 1, Site Requirements – bullet 4.
- Page 3, Table 2, I/O manual added.
- Page 5, Installation equipment list: added Dispenser Relay Module.
- Page 7, Site Shutdown Requirements updated for Dispenser Relay.
- Page 10, Alarm Setup updated for Dispenser shutdown.
- Page 16, Figure 10 EVR/ISD Setup update for Dispenser shutdown.
- Page 19, Alarm Setup Introduction updated.
- Page 20, Figure 15 added.
- Page 21, Updated Figure 16 to note dispenser relay option.
- Page 22, Figure 17 description updated.
- Page 23 Updated Figure 18 to note dispenser relay option.
- Page 24, Figure 19 description updated.
- Page 25, Alarm Setup for Sites with Dispenser Relays added, Figure 20 added.
- Page 26, Figure 21 added.
- Page 35, Pre-Test Procedures, Item 2, modified to reference RS232 document.

Additional Changes that are associated with VR 203-H:

- Merged Executive Orders VR-205 (VST Phase II EVR System with Hirt VCS100 Thermal Oxidizer) and VR-209 (VST Phase II EVR System with Franklin Fueling Systems Clean Air Separator) into VR-203 (VST Phase II EVR System).
- **The following was added to the legal language:**
“.Equipment shall be inspected daily, weekly, quarterly, and annually per the procedures identified in the ARB Approved installation, Operation, and Maintenance Manual. These inspections shall also apply to systems certified by Executive Orders VR-204-A to G, Executive Orders VR-205-A to B, and Executive Order VR-209-A...”
- Legal language revised to include superseding language for Executive Orders VR-205 and VR-209.
- Legal language revised to include compliance procedures for Hirt VCS 100 Thermal Oxidizer and Franklin Fueling Systems Clean Air Separator.
- Renumbered Executive Order Exhibits for simplicity and changed all Executive Order documents to reference revised Exhibit numbers. Merged Exhibit 7 warranty information into Exhibit 3.

- Added the Hirt VCS 100 Thermal Oxidizer and FFS CAS in Exhibit 1. Also reformatted Exhibit 1 for simplicity.
- Added Hirt VCS 100 Thermal Oxidizer and FFS CAS specifications, Figures, and defects to Exhibit 2.
- Added Hirt VCS 100 Thermal Oxidizer and FFS CAS performance specifications and warranty information in Exhibit 3.
- Added steps in Exhibit 4, Required Items in Conducting TP-201.3, when using the Hirt VCS 100 Thermal Oxidizer and FFS CAS.
- Added steps in Exhibit 6, Required Items for Conducting TP-201.4, when using the Hirt VCS 100 Thermal Oxidizer and FFS CAS.
- Added Exhibit 13, Hirt VCS 100 Operability Test Procedure.
- Added Exhibit 14, Franklin Fueling Systems CAS Static Pressure Performance Test Procedure.
- Deleted Section 1, 2, 4, and 5 from the Installation, Operation, and Maintenance (IOM) Manual. Renumbered IOM sections.
- Added contractor requirements to Section 1 of the IOM to install the Hirt VCS 100 Thermal Oxidizer and FFS CAS.
- **Add daily inspections to Section 2 of the IOM for VST Nozzles**
- Added quarterly and annual inspections to Section 3 of the IOM for the FFS CAS and Hirt VCS 100 Thermal Oxidizer respectively.
- Added an alarm to Section 4 of the IOM for the Hirt VCS 100 Thermal Oxidizer.
- Removed the VP Overpressure warning/alarm for the VST ECS and Veeder-Root vapor polisher, in Sections 4, 12 and 15 respectively.
- Added a “PMC Setup Warn” to the VST Membrane processor in Section 4.
- Added Section 16, installation instructions for the Hirt VCS 100 Thermal Oxidizer and Indicator Panel.
- Added Section 17, installation instructions for the FFS CAS.
- Added a PMC feature that will switch the canister vapor valve from Manual mode to Automatic Mode after 4 hours. i.e., in case contractors accidentally leave it in Manual after testing.
- Changed PMC software from Version 1.02 to 1.03.