# PMC Alarm Troubleshooting Summary for VST ECS Membrane Processor

Displayed Message	Description	Light Indicator	Suggested Troubleshooting	
VP EMISSION WARN	Mass emission exceeded the certified daily threshold.	Yellow	Troubleshooting Guide <a href="http://www.vsthose.com/carbs">http://www.vsthose.com/carbs</a> components.aspx	
VP EMISSION FAIL	2 <sup>nd</sup> Consecutive mass emission failure.	Red	<ul><li>Exhibit 8</li><li>Exhibit 9</li></ul>	
PMC SETUP FAIL	PMC is not configured or missing components.	Red	<ul> <li>Troubleshooting Guide         <ul> <li>http://www.vsthose.com/carbs_components.aspx</li> </ul> </li> <li>See ISD Troubleshooting Guide, P/N 577013-819.</li> <li>Exhibit 8</li> <li>Exhibit 9</li> </ul>	
PMC SENSOR FAULT	Component used by PMC has failed or reported an error condition. See Troubleshooting section for complete description of sensors and associated conditions that can cause a sensor fault.	Red	Check for Smart Sensor Device Alarm or Fault.	
VP DUTY CYCLE WARN	Duty cycle exceeds 18 hours per day or 75% of 24 hours.	Yellow	<ul> <li>Troubleshooting Guide         <a href="http://www.vsthose.com/carbs_components.aspx">http://www.vsthose.com/carbs_components.aspx</a></li> <li>TLS 350 PMC Setup Procedure</li> </ul>	
VP DUTY CYCLE FAIL	2 <sup>nd</sup> Consecutive Duty Cycle Failure.	Red	<ul><li>Exhibit 10</li><li>Exhibit 9</li><li>Exhibit 4</li></ul>	

# PMC Alarm Troubleshooting Summary for Veeder-Root Vapor Polisher

Displayed Message	Description	Light Indicator	Suggested Troubleshooting <sup>1</sup>	
VP EMISSION WARN	Mass emission exceeded the certified daily threshold.	Yellow	insure Polisher is in Automatic Mode. Resolve any Vapor	
VP EMISSION FAIL	2 <sup>nd</sup> consecutive mass emission failure.	Red	Valve Sensor Fault Alarms.	
PMC SETUP FAIL	PMC is not configured or missing components.	Red	Ensure that all required components are installed and operational.	
PMC SENSOR FAULT	Component used by PMC has failed or reported an error condition. See Troubleshooting section for complete description of sensors and associated conditions that can cause a sensor fault.	Red	Check for Smart Sensor Device Alarm or Fault.	

<sup>1</sup>Refer to Troubleshooting Section of IOM 15 and ISD/PMC Troubleshooting Guide 577013-819

# Wireless Related Sensor Warning for Veeder-Root Vapor Polisher (If Wireless Vapor Polisher or Vapor Pressure Sensor is Installed)

Displayed Message	Description	Light Indicator	Suggested Troubleshooting
Battery Warning	Vapor Valve transmitter reports battery status as "Replace" for 24 hours.	Yellow	Remove and replace battery.

# **Alarm Troubleshooting Summary For Hirt VCS 100 Processor**

VCS 100 Indicator Panel	Description	Light Indicator	Recommended Troubleshooting
MALFUNCTION Light	UST ullage pressure is positive for at least 1 continuous hour.	Red	<ul> <li>GDF Owner/Operator Responsibilities:</li> <li>"Weekly Inspections" of Hanging Hardware as specified in section 2 of Installation, Operation, and Maintenance Manual.</li> <li>"Drive-Offs and Other Customer Abuse" as specified in section 5 of Installation, Operation, and Maintenance Manual.</li> <li>Exhibit 7 of Executive Order VR-203</li> <li>Record findings in GDF Owner/Operator Maintenance Log.</li> <li>Certified Contractor Responsibilities:</li> <li>Follow VCS 100 Troubleshooting Guide (Contact Hirt by either Phone: (562) 692-6970 or by email: HirtVCS@aol.com to get Guide)</li> <li>TP-201.3 and Exhibit 4 of Executive Order VR-203</li> <li>Exhibit 7 of Executive Order VR-203</li> <li>Exhibit 13 of Executive Order VR-203</li> <li>Record findings in GDF Owner/Operator Maintenance Log.</li> </ul>

# Alarm Troubleshooting Summary for Facilities Equipped with VST Green Machine Processor

Displayed Message	Description	Light Indicator	Suggested Troubleshooting	
VP EMISSION WARN	Mass emission exceeded the certified daily threshold.	Yellow	<ul> <li>Troubleshooting         Manual         www.vsthose.com.</li> </ul>	
VP EMISSION FAIL	2 <sup>nd</sup> Consecutive mass emission failure.	Red	• Exhibit 9	
PMC SETUP FAIL	PMC is not configured or missing components.	Red	See ISD Troubleshooting Manual, P/N 577013-819	
PMC SENSOR FAULT	Component used by PMC has failed or reported an error condition. See Troubleshooting section for complete description of sensors and associated conditions that can cause a sensor fault.	Red	<ul> <li>Troubleshooting Manual www.vsthose.com.</li> <li>Exhibit 9</li> </ul>	