VR Monitoring

Option 1   Automatic - PEC Remote - Lite

This option is administered by appropriately trained on-site staff who must be provided with, and maintain a log of all test and maintenance activities. The system provides basic on site fault alerts and records data that can be requested and viewed remotely to diagnose faults and assist in a quick resolution.

Option 2   Automatic - PEC Remote - Premium

This option outsources the entire monitoring task, including records management to a commercial solution provider. PEC Remote Premium is an automated system that does not require any staff intervention.

Comparison Table

KEY: ✔ Included   X   Not included   ⬤ Optional, can be purchased

Features	Lite	Premium
On Site Alerts of faults	✔	✔
Data is securely backed up	✔	✔
Remote VR Performance Report (including ATPM and VR2 Data)	✔	✔
PEC automatically sends VR alerts	X	✔
Site Status Report	X	✔
Authority Inspection Report	⬤	✔
Historical VR Performance Report	⬤	✔
PEC Supplied Mobile Connection	✔	✔

Features Explained

On Site Alerts of Faults (Lite/Premium)

This is the minimum basic legal requirement for EPA. On Site alerts are in the form of a beeping sound and flashing indicator within the VMS Controller Cabinet indicating a Vapour Recovery fault.

For Premium customers, your service provider will be informed automatically.

Data is Securely backed up (Lite/Premium)

All our products directly benefit from significant security engineering and in-house capability.

Remote VR Performance Report, including ATPM and VR2 Data (Lite/Premium)

Available via email, this report shows details of the last 400 deliveries. The information in this report provides valuable diagnostics that help a service agent arrive with the right tools and parts. Discovery time on site is reduced and issues are resolved quickly.
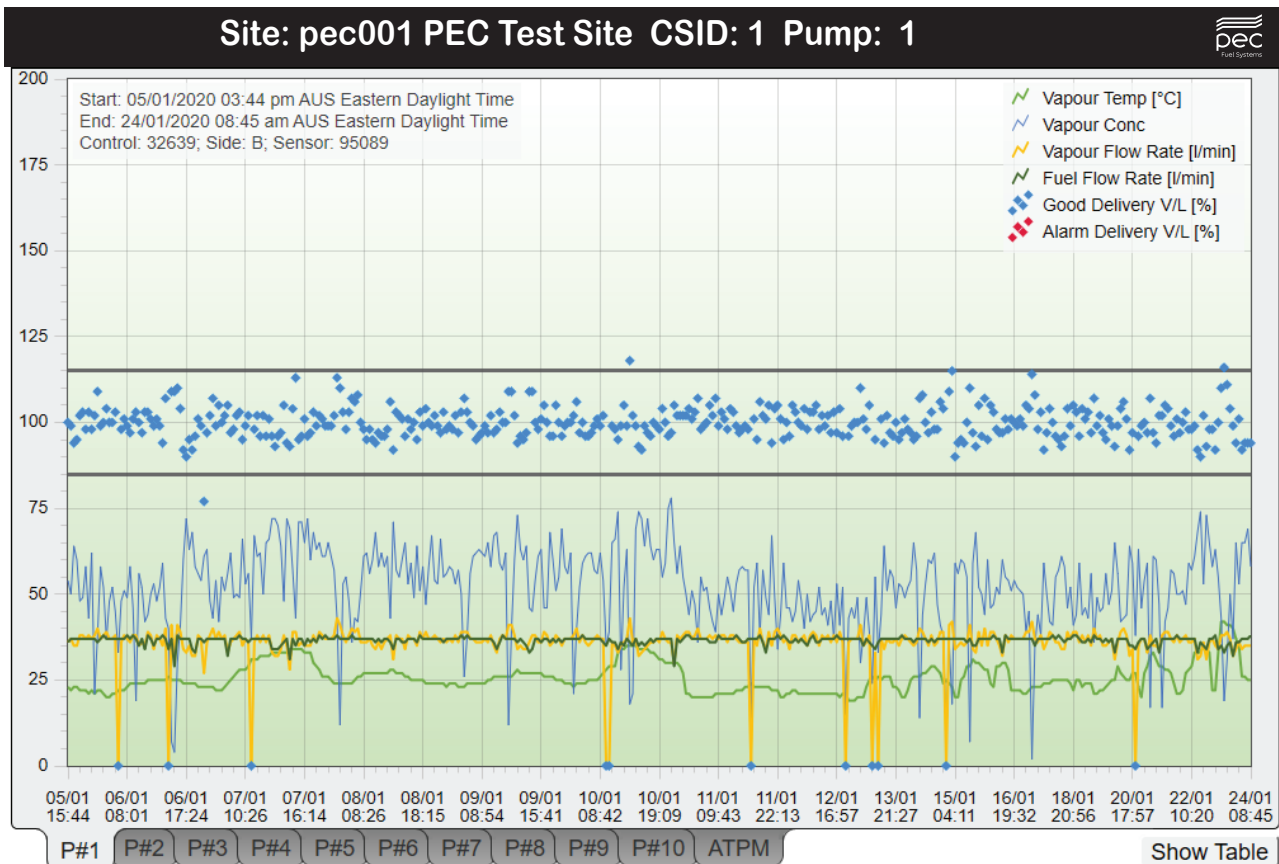
Features Explained

PEC Automatically Sends Alerts (Premium)

If a fault occurs PEC will send an alert in the form of an email containing links to the relevant reports. The following is an example of the type of email sent.

pec
Fuel Systems

Hi
Pump **1** at **South Crofton Motors** has reached an error count of 10 and is now counting to shutdown in 7 days!
The scheduled shutdown date and time is **21/02/2020 4:41 p.m.**

Issues noted (based on last 10 deliveries):
Zero vapour recovery rate.
Abnormal Vaporix Status:
Internal error detected. Please re-power, and replace if not rectified.

Please click here to see the performance data for this pump in your browser, or click here to get the latest performance data for the whole site.

PEC Fuel Systems
2 Station Rd, Marton 4710, New Zealand
PEC Limited
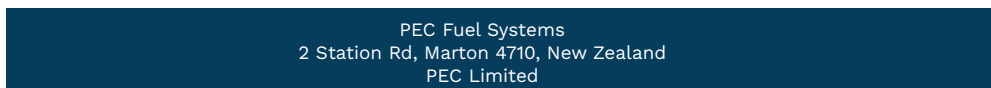
Site Status Reports (Premium)

This report summarizes all unresolved issues and is a valuable tool to ensure issues do not go unresolved for too long. This is emailed with an attached image similar to the one below, and is sent 3 times per week.

VR Monitoring - Alarm & Alert Status
Gallagher
Current Status as of 08/01/2020 07:54

Brand	Site Name	Gallagher Site ID	ATPM	VR2 Status	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
PEC	Crofton North	pec0002	OK	AMD	OK	AMD	OK	OK	OK	AMD																								
PEC	Crofton South	pec0031	ND	OFF		OFF	OFF	OFF	ND	ND	ND	ND																						
PEC	French Street	pec0011	ND	ND	ND	ND	ND	ND																										
PEC	Greatford Road	pec0026	ND	ND	ND	ND	ND	ND	ND	ND	OK	ND			OK	OK	OK	OK	OK															
PEC	Central Rata	pec0033	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK			OK	OK																		
PEC	High Street	pec0007	OK	ND	ND	ND	OK	OK	OK	OK																								
PEC	Turakina	pec0004	OK	ND	OK	OK	OK																											
PEC	West Bulls	pec0009	AL	OK	OK	ND	OK	OK	OK	OK	OK																							
PEC	Northern Marton	pec0007	AL	ND	OK	ND	OK	OK	OK	OK	OK	OK	OK	OK																					
PEC	West Marton	pec0010	AL	AL	OK	AL	OK	OK	OK	OK	OK																							
PEC	Jester Street	pec0016	OK	AL	OK	AL	OK	OK	OK	OK	OK																							

Legend

OK	- The unit is operating and there are no active alarms
AL	- The unit is in Alarm, if not fixed will Shut Off within 7 days
OFF	- The unit is in Shut Off, no data has been received for 24 hours and is in alarm
AMD	- Automatic monitoring is disabled. The unit should be in Shut Off but is not, therefore not compliant
ND	- No delivery data from this unit received in the last 36 hours
ND*	- No data from this site has ever been received

Click the Site ID to receive an email with the last 400 VR2 deliveries

Features Explained

Authority Inspection Reports (Premium and available for a fee with Lite)

Annual reports are no longer required by EPA. Instead the EPA requires that:

- The monitoring system must retain the date and type of the last 100 faults and one year of daily pressure data.

- Records of the date and type of fault of the last one hundred faults.

- The last full year's operational data must be retained in the monitoring system.

- All this data must be easily acessible to operators and/or inspectors.

Historical VR Performance Report (Premium and available for a fee with Lite)

The VR2 Performance Reports provide data for the last 400 recorded deliveries per fuel point. If however reporting is required for more than the last 400 deliveries, these can be generated by PEC.

PEC Supplied Mobile Connection (Lite/Premium)

All monitored PEC VMS systems are provided with a mobile connection.

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