



Engines and Vehicles –  
Compliance Information System (EV-CIS)

# Updates to Heavy-Duty Vehicle GHG Phase II Production Volume Reporting

*July 2022*

# Agenda

- What's Happening
- HDV Production Volume (PV) Reporting Changes
- Contact Information and Resources

# What's Happening?

- A modified submission process for Heavy-Duty Vehicle GHG Phase II production volume reports\* will be implemented to resolve issues that have prevented submission of large MY2021 HDV CSV files.
  - The HDV PV reporting CSV template has been updated to include more substantive and scenario-driven examples.
  - There are no changes to the data requirements.
- These changes are planned to be deployed on July 22, 2022 and will be available to use beginning Monday, July 25th.
  - If the backup date of July 29, 2022 is needed these changes would be available for use beginning Monday, August 1st.

\* HDV GHG Phase II PV Reports were originally incorporated into the new PV Reporting module in January 2022

# What's Happening?

- The reporting deadline for MY2021 HDV PV reports has been extended to **September 30, 2022**.
  - The reporting deadline of **September 30, 2022** for MY2021 HDV 270-day ABT reports remains unchanged.
  - The reporting deadline of **March 31** for MY2022 and later HDV PV reports remains unchanged.

*\* HDV GHG Phase II PV Reports were originally incorporated into the new PV Reporting module in January 2022*

# HDV PV Reporting Changes

- HDV PV report business rule validation will no longer be conducted prior to submitting a report to EV-CIS.
- After clicking the “Submit” button, the report will initially display on the PV Home Submission List with a Submission Status of “Processing”.
  - Refreshing the screen will display an updated status when processing has completed.
- All HDV PV report submissions will be processed by EV-CIS one at a time in the order in which they were submitted.
  - Processing time will vary depending on the queue and CSV file size.

# HDV PV Reporting Changes

- Upon processing completion, the Submission Status for the report will either be changed to:
  - “Submitted” = No business rule errors were found.
    - EPA will be able to see the report.
  - “Pending - Failed” = Business rule errors were found.
    - EPA will NOT be able to see the report.
    - See the next slide for additional details.

# HDV PV Reporting Changes

- Upon processing completion, if the status is changed to “Pending-Failed” this means that business rule errors were found.
  - EPA will NOT be able to see the report.
  - Validation will stop as soon as 10,000 business rule errors are found, even though there may be more than 10,000 errors.
  - To view the business rules that caused the submission to fail, click the “View” option from the Actions column on the Submission List. Up to 50 business rule errors will be displayed on the screen and the XML Submission Processing Report can be downloaded to view up to 10,000 errors.
  - Resolve all identified business rule errors and resubmit the report with an updated CSV file to determine if additional errors are present and continue this process until no business rule errors are found and the Submission Status reads "Submitted".

# HDV PV Reporting Changes

- HDV PV report business rule validations will not occur until after an HDV PV report is submitted to EV-CIS for processing.

**EPA EV-CIS** Engines and Vehicles - Compliance Information System

My CDX CDX Inbox

## ← Production Volume Reporting

### Review & Confirm

Report Setup Report Description Report Details **Review & Confirm** Complete

Hide All Sections

– Report Setup Hide

Manufacturer Code: EPA  
EPA Report Identifier: EPA-PV-2021-000088  
Report Type: Production Volume Report  
Manufacturer Report Name: EPA PVR TEST

Manufacturer Name: Environmental Protection Agency  
Industry: Heavy-Duty Highway Tractors and Vocational Vehicles  
Model Year: 2021  
Manufacturer Report ID:

– Report Description Hide

– Report Details Hide

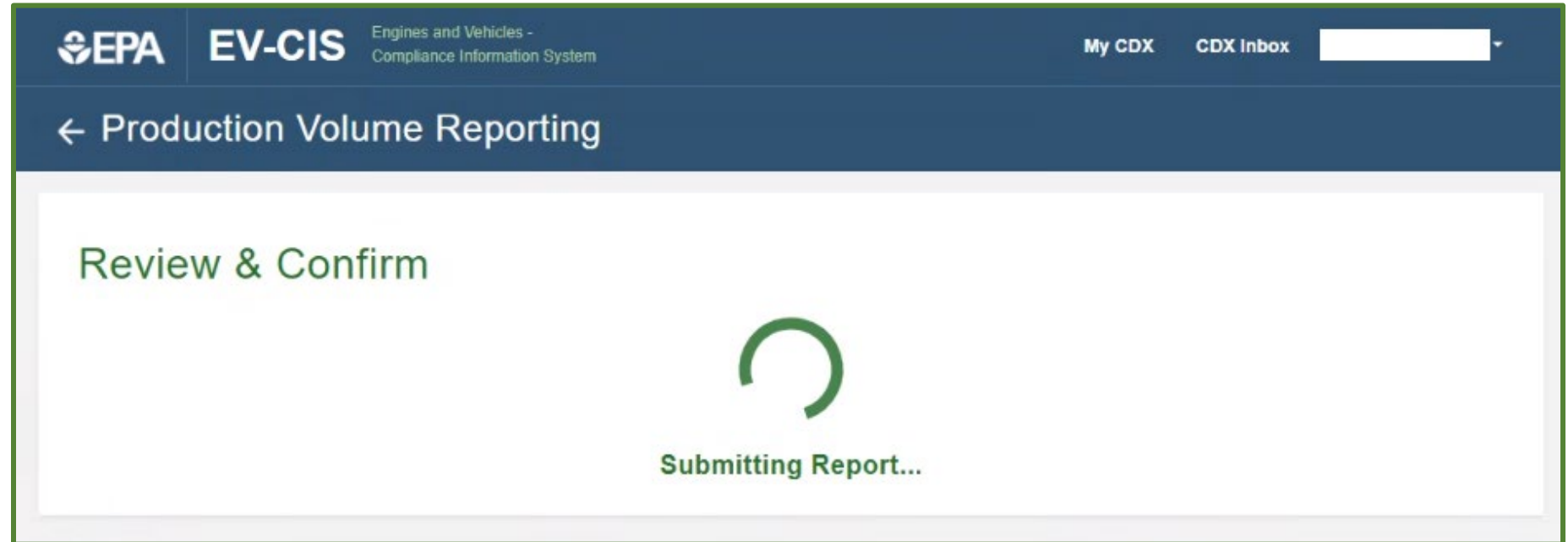
Comments:  
TEST- Testing revised HDV submission process. Trying to submit a 500k row passing CSV.

← Back Exit **Submit →**



# HDV PV Reporting Changes

- HDV PV reports with large CSV files may take extra time to submit and process.



# HDV PV Reporting Changes

- HDV PV reports will have a status of “Processing” until validation has completed.
- All HDV PV report submissions will be processed by EV-CIS one at a time in the order in which they were submitted.
- Processing time will vary depending on the queue and CSV file size.

The screenshot displays the EPA EV-CIS interface for Production Volume Reporting. The header includes the EPA logo, EV-CIS title, and navigation links like 'My CDX' and 'CDX Inbox'. The main content area is titled 'Production Volume Reporting' and 'Home'. Below this is a 'Submission List' section with buttons for 'Create Submission', 'Export All', 'Print All', and a refresh icon. A search bar is set to 'Heavy-Duty Highway T'. The table below shows two submissions, with the first one in a 'Processing' status, highlighted by a purple box and arrow.

| Mfr Report Name | EPA Report Identifier | Model Year | Industry  | Submission Status | Last Modified          | Last Modified By | Actions |
|-----------------|-----------------------|------------|---|-------------------|------------------------|------------------|---------|
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Processing        | 06/23/2022 09:47:08 am | Ching-Shih Yang  | Select  |
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Submitted         | 06/23/2022 08:23:38 am | Ching-Shih Yang  | Select  |

# HDV PV Reporting Changes

- The Submission Status will be updated to “Submitted” if there were no business rule errors.
- EPA will be able to view a report once it has a Submission Status of “Submitted”.

The screenshot displays the EPA EV-CIS (Engines and Vehicles - Compliance Information System) interface for Production Volume Reporting. The page title is "Production Volume Reporting" and it includes navigation links for "My CDX" and "CDX Inbox". The main content area is titled "Home" and features a "Submission List" section. Above the table are buttons for "Create Submission", "Export All", "Print All", and a refresh icon. The "Submission Status" filter is set to "Show All" and the search term is "Heavy-Duty Highway Tr".

| Mfr Report Name | EPA Report Identifier | Model Year | Industry  | Submission Status | Last Modified          | Last Modified By | Actions |
|-----------------|-----------------------|------------|---|-------------------|------------------------|------------------|---------|
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Submitted         | 06/23/2022 08:23:38 am | Ching-Shih Yang  | Select  |

# HDV PV Reporting Changes

- The Submission Status will be updated to “Pending-Failed” if business rule errors were found during validation (processing will stop at 10,000 errors).
- EPA will NOT be able to see reports that have a status of “Pending- Failed”.
- Resolve all identified business rule errors and resubmit the report with the updated CSV file until no errors remain.

The screenshot displays the EPA EV-CIS (Engines and Vehicles - Compliance Information System) interface for Production Volume Reporting. The page includes a navigation bar with the EPA logo, EV-CIS title, and user information (My CDX, CDX Inbox). Below the navigation bar is a breadcrumb trail for 'Production Volume Reporting' and a 'Home' link. The main content area is titled 'Submission List' and contains a table of submissions. The table has columns for Mfr Report Name, EPA Report Identifier, Model Year, Industry, Submission Status, Last Modified, Last Modified By, and Actions. Two submissions are listed: one with a status of 'Pending Failed' (highlighted with a purple box and arrow) and one with a status of 'Submitted'. The 'Pending Failed' submission is for EPA Report Identifier EPA-PV-2021-0000088, Model Year 2021, and Industry Heavy-Duty Highway Tractors and Vocational Vehicles, last modified on 06/23/2022 at 09:49:39 am by Ching-Shih Yang. The 'Submitted' submission is for the same EPA Report Identifier, Model Year, and Industry, last modified on 06/23/2022 at 08:23:38 am by Ching-Shih Yang. Above the table are buttons for 'Create Submission', 'Export All', 'Print All', and a refresh icon. To the right of the table are filters for 'Submission Status' (set to 'Show All') and a search box containing 'Heavy-Duty Highway T'.

| Mfr Report Name | EPA Report Identifier | Model Year | Industry  | Submission Status | Last Modified          | Last Modified By | Actions |
|-----------------|-----------------------|------------|---|-------------------|------------------------|------------------|---------|
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Pending Failed    | 06/23/2022 09:49:39 am | Ching-Shih Yang  | Select  |
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Submitted         | 06/23/2022 08:23:38 am | Ching-Shih Yang  | Select  |

# HDV PV Reporting Changes

- Click the “View” option from the Actions column to see which business rules caused the submission to fail.

The screenshot displays the EPA EV-CIS (Engines and Vehicles - Compliance Information System) interface. The page title is "Production Volume Reporting". Below the title, there is a "Home" link and a "Submission List" section. The "Submission List" section includes buttons for "Create Submission", "Export All", "Print All", and a refresh icon. The "Submission Status" is set to "Show All" and the search term is "Heavy-Duty Highway T". The table below shows two rows of submission data. The second row is highlighted in blue, and a purple box highlights the "View" option in the "Actions" column. A purple arrow points to the "View" option.

| Mfr Report Name | EPA Report Identifier | Model Year | Industry  | Submission Status   | Last Modified          | Last Modified By | Actions                           |
|-----------------|-----------------------|------------|---|---------------------|------------------------|------------------|-----------------------------------|
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Pending In Progress | 06/22/2022 08:51:55 am | Ching-Shan Yang  | Select                            |
| EPA PVR TEST    | EPA-PV-2021-0000088   | 2021       | Heavy-Duty Highway Tractors and Vocational Vehicles | Submitted           | 06/21/2022 05:15:53 pm | Ching-Shan Yang  | Edit<br>History<br>Delete<br>View |

# HDV PV Reporting Changes

- After clicking “View” from the Actions column on the Submission List, up to 50 business rule errors will be displayed at the top of the View Report screen.

The screenshot shows the EPA EV-CIS interface for viewing a report. At the top, there is a navigation bar with the EPA logo, 'EV-CIS Engines and Vehicles - Compliance Information System', and user options 'My CDX' and 'CDX Inbox'. Below this is a breadcrumb trail: '← Production Volume Reporting'. The main heading is 'View Report'. A prominent red error box contains the following messages:

- Please correct the following error(s):**
- ⚠ CR-PV-BR026 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Vehicle Identification Number (VIN) (PV-32) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTDIQ4TV96SW)
- ⚠ CR-PV-BR028 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Vehicle Sub-family (PV-39) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTDIQ4TV96SW)
- ⚠ CR-PV-BR029 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Trade Name (PV-40) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTDIQ4TV96SW)
- ⚠ CR-PV-BR122 - Certificate Holder Indicator (PV-31) must equal 'Y' (Yes) or 'N' (No). (Vehicle Identification Number (VIN) (PV-32): EPATESTDIQ4TV96SW)

Below the error box is a 'Hide All Sections' button. The 'Report Setup' section is partially collapsed, with a 'Hide' button on the right. The report details are as follows:

|                          |   |
|--------------------------|---|
| Manufacturer Code:       | Manufacturer Name:                                  |
| EPA                      | Environmental Protection Agency                     |
| EPA Report Identifier:   | Industry:   |
| EPA-PV-2021-0000088      | Heavy-Duty Highway Tractors and Vocational Vehicles |
| Report Type:             | Model Year:   |
| Production Volume Report | 2021  |

# HDV PV Reporting Changes

- If more than 50 business rule errors are found, click “**here**” at the bottom of the list of business rules displayed on the View Report screen to download a report which will include up to 10,000 errors.

The screenshot displays a web interface for HDV PV Reporting. At the top, there are three red warning icons with the following text: "CR-PV-BR122 - Certificate Holder Indicator (PV-31) must equal 'Y' (Yes) or 'N' (No). (Vehicle Identification Number (VIN) (PV-32): EPATESTNHFAQD03G)", "CR-PV-BR122 - Certificate Holder Indicator (PV-31) must equal 'Y' (Yes) or 'N' (No). (Vehicle Identification Number (VIN) (PV-32): EPATESTVP4V0COGRJ)", and "CR-PV-BR122 - Certificate Holder Indicator (PV-31) must equal 'Y' (Yes) or 'N' (No). (Vehicle Identification Number (VIN) (PV-32): EPATESTYV76LZ06NW)". Below these is a red banner that reads: "Only 50 rules are being displayed at one time. To download the complete list, click [here](#)." A purple arrow points to the "here" link. Underneath is a "Hide All Sections" button. The "Report Setup" section includes "Manufacturer Code: EPA" and "EPA Report Identifier: EPA-PV-2021-0000088". On the right side, a "REJECTED" section lists several error messages, including: "CR-PV-BR002 - If creating a new Production Volume Report, then an active Production Volume Report with the same Industry (CR-3) and Model Year (PV-1) must not exist in EV-CIS. (Model Year (PV-1): 2021, Industry (CR-3): Heavy-Duty Highway Tractors and Vocational Vehicles, CDX Transaction ID: \_e11e1ae6-1c90-4711-827a-7d30234acf27)", "CR-PV-BR029 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Trade Name (PV-40) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTUINOMCGZH5)", "CR-PV-BR028 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Vehicle Sub-family (PV-39) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTUINOMCGZH5)", "CR-PV-BR026 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Vehicle Identification Number (VIN) (PV-32) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTUINOMCGZH5)", "CR-PV-BR122 - Certificate Holder Indicator (PV-31) must equal 'Y' (Yes) or 'N' (No). (Vehicle Identification Number (VIN) (PV-32): EPATESTUINOMCGZH5)", "CR-PV-BR029 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Trade Name (PV-40) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTM7FIOPAZN9)", "CR-PV-BR028 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Vehicle Sub-family (PV-39) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTM7FIOPAZN9)", "CR-PV-BR026 - If Certificate Holder Indicator (PV-31) equals 'Y' (Yes), then Vehicle Identification Number (VIN) (PV-32) is required. Otherwise, it is not allowed. (Vehicle Identification Number (VIN) (PV-32): EPATESTM7FIOPAZN9)", and "CR-PV-BR122 - Certificate Holder Indicator (PV-31) must equal 'Y' (Yes) or 'N' (No). (Vehicle Identification Number (VIN) (PV-32): EPATESTM7FIOPAZN9)".

## Contact Information

### **EV-CIS Help Desk**

Direct all system-related questions to the EV-CIS Help Desk—

Email [evcishelpdesk@epacdx.net](mailto:evcishelpdesk@epacdx.net)

or

Call 1-888-890-1995

### **EV-CIS Listserver**

To sign up for the EV-CIS list server,

send email to [evcis-subscribe@lists.epa.gov](mailto:evcis-subscribe@lists.epa.gov)

### **Manufacturer Information and Guidance Listserver**

To be notified when new manufacturer information, guidance letters and advisory circulars are issued for vehicle, engine, and equipment programs, join the Manufacturer Information list server by sending email to

[manufacturer-info-subscribe@lists.epa.gov](mailto:manufacturer-info-subscribe@lists.epa.gov).



## Resources

### **EV-CIS Website**

<https://www.epa.gov/vehicles-and-engines>

### **EV-CIS User Registration**

<https://www.epa.gov/ve-certification/how-register-engines-and-vehicles-compliance-information-system-ev-cis>

### **Compliance Reporting for Heavy-Duty Commercial Trucks and Buses and Onroad Heavy-Duty Engines**

<https://www.epa.gov/ve-certification/compliance-reporting-heavy-duty-commercial-trucks-and-buses-and-onroad-heavy-duty>

## Resources

The following pages include draft copies of Heavy-Duty Vehicle GHG Phase II documentation which provide advance information about the changes scheduled to be released by end of year 2021:

**System Documentation for Heavy-Duty Greenhouse Gas (GHG) Reporting**

<https://www.epa.gov/ve-certification/system-documentation-heavy-duty-greenhouse-gas-ghg-reporting>

**Templates for Heavy-Duty Vehicle Production Volume Reporting and Exempted Off-Road Vehicles**

<https://www.epa.gov/ve-certification/templates-heavy-duty-vehicle-production-volume-reporting-and-exempted-road-vehicles>

**CSV Import Template for Heavy-Duty Vehicle GHG Averaging, Banking, and Trading (ABT)**

<https://www.epa.gov/ve-certification/csv-import-template-heavy-duty-vehicle-ghg-averaging-banking-and-trading-abt>

**System Documentation and Guidance for Production Volume Reporting**

<https://www.epa.gov/ve-certification/system-documentation-and-guidance-production-volume-reporting>