United States Environmental Protection Agency, Office of Air and Radiation, Office of Transportation and Air Quality January 31, 2021

**General Information** 

Paperwork Reduction Act Notice

The public reporting and recordkeeping burden for this collection of information is estimated to average 70 hours per response (for combination tractors) and 24 hours per response (for vocational vehicles). Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number(s) in any correspondence. Do not send the completed form to this address.

OMB Control No: 2060-NEW Expires: xx-xx-20xx

United States Environmental Protect	tion Agency, Office of A	ir and Radiatio	n, Office of Trar	nsportation and	l Air Quality
January 31, 2021					OMB Control No: 2060-NEW
Vehicle Family Information					Expires: Xx-xx-XXX
a) Vehicle Family Description Manufacturer Model year Family Process code		Fee paid? Production start Intro. to commer Est production vo Are you a second manufacturer (\$1037.620(b))?	ce date	Prod. end Please ide primary v manufact	entify the ehicle
Vehicle type Averaging set Useful life (yrs/miles) Advanced technology (vehicle only)?	10/185,000	For Tractors Only Cat Roof height Class		Please list ty	pical applications for this vehicle family
CO <sub>2</sub> Emission standard Lowest projected CO2 family emission limit Highest projected CO2 family emission limit	Vahiela accombly (acation(c)	g/ton-mile g/ton-mile g/ton-mile			Name, address & telephone of U.Sbased agent for service
Trade name(s) of vehicles in family	Vehicle assembly location(s) City	State	Country	Importation Point	
Please identify the emission control system(s) utilized in this vehicle family	Please identify any adjustable paramet Name	ters (per §1037.115) Nominal	Minimum	Maximum	CO2 Deterioration Factor Are you using EPA- assigned DF? Type? Value Value
b) Disclosure Do you intend on using the averaging, banking & t Has a copy of the warranty statement been sent to Has a copy of the emission control label been sent Has a copy of your aerodynamic worksheet been s Do you meet the maintenance requirements of §1 Are you participating in NHTSA's early-credit prograve Secondary veh. manufacturers: Will vehicles be displayed on the second secon	o the certification staff? to the certification staff? sent to the certification staff (tractors o 037.125? ram?	nly)?	Yes/No/N-A	a negative any avera are calcul will have credits fo	est of your belief, you will not have e balance of emission credits for ging set when all emission credits lated at the end of the year; or you a negative balance of emission r one or more averaging sets such allowed under §1037.745
c) Vehicle Speed Limit (VSL) System Do any of your configurations use a vehicle speed limiter, consistent with §1037.640? VSL Configuration Type Default speed limit (MPH) Soft top? Soft top speed (MPH) Max soft top duration (per day) Soft top Units Does your VSL expire? Expiration point (Miles) Effective speed limit (GEM input) (MPH)	Please enter your VSL properties for at	least the following config	gurations: Highest Project	ted Sales, Lowest GEM Ir	nput, Highest GEM Input

d) Automatic Engine Shutdown (AES) Syste	em									
Do any of your configurations utilize automatic engine shut-down features, as										
described in §1037.660? Please describe conditions that must	 									]
be met for the engine to shut-down after 300 seconds (§1037.660(a))										
Please describe any conditions that may override the AES (§1037.660(b)) Does the AES system have an expiration	l		1							]
point?	I T	Configuration 1	Configurati	on 2		Configuration 3		Configuration	4	1
Configuration type Please enter the expiration point in miles										
AES Credit (GEM Input), g CO <sub>2</sub> /ton-mile	I	0.00	0.00			0.00		0.00		]
e) Aerodynamics			Method 1	Meth	od 2	Method	13	Method 4	Met	hod 5
		Method for determining C <sub>d</sub> A? F <sub>ait-aero</sub>								
Are C <sub>a</sub> A measurements from a high-roof tractor being used for a low or mid-roof tractor (per §1037.520(b)(3))?		<sup>,</sup> <sub>alt-aero</sub> Date of alternate procedure approval								
Please enter the vehicle family name of the high-roof tractor										
f) Tire Information	Please ide /ou may s	entify all the tires used in this vehicle fa submit your own document with this inj	mily. Alternatively, formation.		g) Weight Informatio	Reduction on		Please list all componen weight reduction (§103)	ts associate 7.520(e))	d with
, Make	, С <sup>и</sup>	Model	Drive/Steer							
					Wheels	Туре		Wheel materi	al	Used in this family?
					Sin	gle-wide drive ti	re	Steel Aluminum		
					Steer o	or dual-wide driv	ve tire	Light-Weight St High-Strength S		
								Aluminum Light-Weight Alun	ninum	
					Other Com	ponents (per Ta	ble 5 of §1	.037.520)		
					Com	ponent I	Material	Weight reduction (lb)	Innovative	technology?
					-					

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Auxiliary Emission Control I				
Manufacturer	0	Process Code	0	
Vehicle Family Regulatory Subcategory	0	Model Year Projected Volume		
Averaging set	0			
Please use this worksheet to disc	lose any AECDs your vehicle may have s: "any element of design that senses temperature, motive speed, engine RPP	۲, transmission gear, or any other parameter for the purpose of activating, mo Controlled parameter(s)	dulating, delaying or deactivating the operation of any part of the emission cont <b>Purpose</b>	rol system." AECDs are not restricted Reduced effectiveness?
	1	1	1	

## Greenhouse Gas Certification Template

nited States Environmental Prote anuary 31, 2021 echnology Worksheet	ection Agen	icy, Office of A	ir and Ra	diation, (	Office of T	ransporta		Air Qual OMB Contr Expires: Xx	ol No: 206	0-NEW
Manufacturer Vehicle Family Regulatory Subcategory Averaging set		0 0 0	]		I	Process Code Model Year Projected Vo			0 0 0	
i) Advanced Technologies Test Vehicle "A" (conventional v	ehicle)									
Configuration Vehicle model Serial number Service accumulation (miles)		1-A	2-	A	3	-A	4-	A		5-A
Please describe the conventional vehicl more detailed information, please refer Please enter description here	e used for con rence the docu	nparison ("Vehicle ument name here	A"), includii	ng why its s	uitable for c	omparison. I	f you submi	t a supplem	nental docu	ıment containinį
Test Vehicle "B" (advanced techr	nology vehi	icle)								
Configuration Vehicle model Serial number	1-B		2-B		3-B		4-B			5-B
Service accumulation (miles) Please describe the features of the adv between each of the configurations. If y										
Please describe the features of the adv	you submit a s	upplemental docu	ument conta	ining more	detailed info	ormation, ple				
Please describe the features of the adv between each of the configurations. If y Please enter description here	you submit a s If you have projected sa	upplemental docu more than 5 confi les in the table bo	ument conta gurations, pl elow	lease list the	detailed info	ormation, ple				
Please describe the features of the adv between each of the configurations. If y Please enter description here Calculations Configuration Emission rate of Vehicle A Emission rate of Vehicle B Improvement factor	you submit a s	upplemental docu	ument conta	ining more	detailed info	ormation, ple	-mile			
Please describe the features of the adv between each of the configurations. If y Please enter description here Calculations Configuration Emission rate of Vehicle A Emission rate of Vehicle B Improvement factor Estimated volume of configuration	If you have projected sa	more than 5 confi ales in the table be 2 0.00	gurations, pl elow 3 0.00 re claiming e	lease list the	e 5 with the 5 0.00	highest g CO2/tor g CO2/tor	-mile -mile	ce the docu	iment nam	e here.
Please describe the features of the adv between each of the configurations. If y Please enter description here Calculations Configuration Emission rate of Vehicle A Emission rate of Vehicle B Improvement factor Estimated volume of configuration ii) Innovative Technologies Please provide a brief description of an containing more detailed information, p	If you have projected sa	more than 5 confi ales in the table be 2 0.00	gurations, pl elow 3 0.00 re claiming e	lease list the	e 5 with the 5 0.00	highest g CO2/tor g CO2/tor	-mile -mile	ce the docu	iment nam	e here.
Please describe the features of the adva between each of the configurations. If y Please enter description here Calculations Configuration Emission rate of Vehicle A Emission rate of Vehicle B Improvement factor Estimated volume of configuration ii) Innovative Technologies Please provide a brief description of am containing more detailed information, p Please enter description here	If you have projected sa	more than 5 confi ales in the table be 2 0.00	gurations, pl elow 3 0.00 re claiming e	lease list the	detailed info	highest g CO2/tor g CO2/tor	-mile -mile	nit a supple	iment nam	e here.
Please describe the features of the adva between each of the configurations. If y Please enter description here Calculations Configuration Emission rate of Vehicle A Emission rate of Vehicle B Improvement factor Estimated volume of configuration ii) Innovative Technologies Please provide a brief description of am containing more detailed information, y Please enter description here Summary of innovative technologies	If you have projected sa	more than 5 confi ales in the table be 2 0.00 echnologies you a ce the document	gurations, pl elow 3 0.00 re claiming e name here.	lease list the	detailed info	highest g CO2/tor g CO2/tor	-mile -mile	nit a supple	mental doc	e here.

Jnited States Environmental Protection Agency, Office of Air and Radiation, Office of Transportation and Air Quality anuary 31, 2021 HFC Worksheet										o: 2060-NEW	
Manufacturer Vehicle Family Regulatory Subcategory Averaging set		0	0	]	]	Process Code Model Year Projected Volum	e	0 0 0			
	Please enter information for at least the following configurations: highest system emission rate A/C System Information				refrigerant capacity , highest % leakage, and highest projected s Leakage Inputs (optional)				es A/C Leakage Rate		
A/C system number	Refrigerant	Refrigerant GWP, if other than R134a	Production Volume	Refrigerant Capacity (g)	Rigid Pipe Connections emission rate	Service port/control device emission rate (g/year):	Hose permeation rate (g/year):	Compressor emission rate (g/year):	Total System HFC Emission Rate (g/year)	Total System HFC Percent Leakage (%/year)	
Installation details Please list the corporate name(s) (other than the Name	certifying manu	facturer) of who Location (state o				country, if non-U.S	.)	Location (state or co	ountry, if non-U.S.)		

Please paste your GEM *input* file on this page This should include at least 10 subconfigurations (unless the family has fewer), including: highest-CO2 emissions, lowest-CO2 emissions, and highest projected volume and equivalent fuel consumption values in 49 CFR 535.8(c)

OMB Control No: 2060-NEW Expires: Xx-xx-XXX Please paste your GEM *output* file on this page This should include at least 10 subconfigurations (unless the family has fewer), including: highest-CO2 emissions, lowest-CO2 emissions, and highest projected volume

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