EPA
United States
Environmental Protection
Agency

Instructions for RFG030X: Gasoline and Gasoline Blendstock Batch Summary Report

Who must report
Any of the following entities for each of its facilities must report on a per-batch basis for gasoline, gasoline blendstocks and ULSD with sulfur greater than 15 ppm.

- Gasoline manufacturers
- Transmix processors
- Oxygenate producers
- Certified pentane producers
- Certified pentane blenders
- Certified butane blenders
- Diesel manufacturers producing ULSD with sulfur greater than 15 ppm

A separate batch report must be submitted for each batch of product produced or imported during the averaging period.

Reporting requirements

- 40 CFR 1090 subpart J provides key requirements and reporting information (available at [link to ECFR.gov]).
- Page 2 of this document contains summary level reporting requirements by product type and parameter.
- Special Instructions for butane blending reporting – Butane reports are a combination of three reports with three separate batch IDs to include:
    o Butane batch – volume and properties of only the butane blendstock as received by the butane producer as shown in table 1
    o PCG + butane or the properties of the finished batch of gasoline as shown in table 1
- Special instructions for pentane blending reporting – Pentane reports are a combination of three reports with three separate batch IDs to include:
    o Pentane batch – volume and properties of only the pentane blendstock as received by the butane producer as shown in table 1
    o PCG + pentane or the properties of the finished batch of gasoline as shown in table 1
- Special instructions for diesel manufacturers producing ULSD with sulfur greater than 15 ppm
    o For any ULSD batch with a sulfur test result greater than 15 ppm, report the facility ID, production date, batch ID, batch volume and sulfur parameter test result
    o Enter "NA" for other gasoline specific parameters (i.e, RVP)

Reporting deadlines

- Entities shall report on all batches produced or imported by March 31st each year for the prior calendar year averaging period.

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Product/Activity	Group	Sub-product Type	Reporter	Batch ID	Volume	Sulfur	Benzene	RVP	% Oxy	% Butane or Pentane	Test Methods
Refining	Gas	RFG, CG (e.g., E10, E10+)	Gas Manufacturer	2	1	1	1	4	1	5	2
Refining	Gas	E0 (final batch)	Gas Manufacturer	2	1	1	1	4	2	5	2
BOB Refining	Gas	RBOB (hand blend)	Gas Manufacturer	2	1	1	1	4	2	5	2
	Gas	RBOB (unblended)	Gas Manufacturer	2	5	1	5	4	5	5	2
	Gas	CBOB (hand blend)	Gas Manufacturer	2	1	1	1	5	2	5	2
	Gas	CBOB only (unblended)	Gas Manufacturer	2	5	1	5	4	5	5	2
PCG by Subtraction	PCG	PCG	Gas Manufacturer	2	1	1	1	4	5	5	2
	PCG	PCG + blendstock (Final)	Gas Manufacturer	2	1	1	1	4	5	5	2
PCG by Addition	PCG	Blendstock	Gas Manufacturer	2	1	1	1	4	1	5	2
	PCG	PCG + blendstock (Final)	Gas Manufacturer	2	1	1	5	4	5	5	2
Recertify/Redesignate	Oxy (like	BOB Recertification	Recertifier (Refiner)	2	1	2	2	5	2	5	5
Certified Butane	Butane	Butane to be blended	Gas Manufacturer	2	1	3	3	3	5	3	2
Blending	Butane	Butane + PCG (Final)	Gas Manufacturer	2	1	5	5	4	5	5	2
Certified Pentane	Pentane	Pentane to be blended	Gas Manufacturer	2	1	3	3	3	5	3	2
Blending	Pentane	Pentane + PCG (Final)	Gas Manufacturer	2	1	5	5	4	5	5	2
Pentane Producing	Pentane	Pentane Producers	Pentane Prod	2	1	1	1	4	5	1	2
Refining	Gas	TGP (finished gasoline)	Transmix Proc	2	1	1	5	4	5	5	2
TGP	TGP	TGP + PCG	Transmix Proc	2	1	1	5	4	1	5	3
TGP by addition	TGP	Blendstock (to be blended with TGP)	Transmix Proc	2	1	1	1	4	1	5	2
	TGP	TGP + blendstock	Transmix Proc	2	1	1	5	4	5	5	2
	TGP	TGP + blendstock + PCG (Final)	Transmix Proc	2	1	1	5	4	5	5	2
TGP by subtraction	TGP	TGP (to be blended with blendstock)	Transmix Proc	2	1	1	1	4	5	5	2
	TGP	TGP + blendstock	Transmix Proc	2	1	1	1	4	5	5	2
	TGP	TGP + blendstock + PCG (Final)	Transmix Proc	2	1	1	1	4	5	5	2
Oxy Producer	Oxy	Oxygenate	Oxy Producer	2	1	1	5	5	5	5	2
GTAB	GTAB	GTAB	Gas Manufacturer	2	1	5	5	5	5	5	5
ULSD > 15 ppm	Diesel	Diesel	Diesel Manufacturer	2	1	1	5	5	5	5	5

Table 1 - Batch reporting and compliance requirements by product type and reporting entity under Fuels Streamlining NPRM

Requirements Key

1 - Measure/Test and Report

2 - Report

3 – Report on lab result received from producer

4 - Summertime only - test and report

5 - No required action

Color Key

- Compliance - Volume weighted average
- Compliance - Per gallon standard
- Compliance - Per-gallon and volume weighted avg
- Compliance - General requirement
- Volume included in aggregate calcs
- Compliance - Not applicable

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Field Instructions

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
1	Report Form ID		**AAAAAA**; *Character*. Enter **RFG030#**
2	Report Type		**A**; *Character*. Specify if the data submitted in this report is original or if it is being resubmitted. Submit only one original report; any corrections or updates should be marked as a resubmission. **O** = Original **R** = Resubmission
3	CBI		**A**; *Character*. Specify if the data contained within the report is claimed as Confidential Business Information (CBI) under 40 CFR Part 2, subpart B: **Y** = Confidential Business Information **N** = Non-Confidential Business Information
4	Report Date		**MM/DD/YYYY**; *Character*. Enter the date the original or resubmitted report is created.
5	Averaging/ Compliance Period		**YYYY**; *Character*. Enter the averaging/compliance year the report covers.
6	Reporter ID		**AAAA**; *Character*. Enter the EPA-assigned four-character ID of the submitter. This may be the company itself or a third party, such as an independent lab.
7	Company ID		**AAAA**; *Character*. Enter the EPA assigned four-character ID for the refiner or importer that produced or imported the batch of gasoline.
8	Reporting (or "Facility ID")(alt. Compliance Level)		**AAAAA**; *Character*. Enter EPA-assigned five-character ID for the facility reporting ID. Include leading zeros as needed.
9	Batch Number		**AAAAAA**; *Character*. The batch number assigned by the Refiner/Importer identifying the gasoline batch this report describes. This six digit batch number must form a unique identifier when combined with company ID, facility and averaging/compliance period (e.g., 4321-54321-2014-000001, 4321-54321-2014-000002, etc.), as described in 40 CFR 1090.##(#)(#). Please include leading zeros where applicable.
10	Volume Type		**AAA**; *Character*. Enter the one appropriate volume type code from the following list. **Volumes reported with positive values** **DOM** = Any domestically produced batch volume **IMP** = Any imported product **DBS =** Any previously certified gasoline complying by addition

EPA Form

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
			Volumes reported with negative values **PCG** = Previously certified gasoline complying by subtraction **REC** = Recertification of the BOB with less oxygenate **EXP** = Exported Batch **Other Volume** **ZER** = Cancelled batch – zero volume
11	Batch Volume	Gallons	$\pm$ **999999999**; *Number*. Production volume of the reported batch. Positive batch volumes include volume types of DOM, IMP, DBS Negative batch volumes include volume types EXP, REC, PCG Zero batch volume include volume types ZER *BOB Product Type* – This volume is the sum of the BOB volume and the oxygenate volume that the gasoline manufacturer specifies to be blended with the BOB. If reporting a zero batch volume other than a cancelled batch, please provide additional detail in comments field
12	Production Date		**MM/DD/YYYY**; *Character*. Date the reported batch was produced or imported. *For Gasoline manufacturers that recertify BOB to gasoline only* – Enter the date the batch was recertified.
13	Date PCG, Butane, or Pentane Batch Received		**MM/DD/YYYY;** *Character*. Enter date received for PCG, Butane, or Pentane. -PCG received from another company or site - Enter the date the batch was received. -PCG originating on-site - enter the date the PCG was designated to be used to produce a new batch of gasoline. -Butane Blendstock – Date butane blendstock received -Pentane Blendstock – Date pentane blendstock received

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Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
			-Other Product Type - If the volume type is not PCG, butane, or pentane, enter "NA".
14	Product Type		**AA**; *Character*. Enter the one appropriate product description code from the following list. Reformulated gasoline: 　　**RG** = Reformulated Gas 　　**RD** = RBOB including oxygenate 　　**RU =** RBOB not including oxygenate 　　**RP** = Direct blendstock or complying by addition reporting for PCG 　　**RQ** = PCG batch after addition of blendstock or complying by addition reporting for PCG 　　**BC** = certified butane blended with PCG RFG/RBOB 　　**PC** = certified pentane blended with PCG RFG/RBOB Conventional gasoline: 　　**CG** = Conventional Gasoline 　　**CD** = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) including oxygenate 　　**CU** = CBOB not including oxygenate 　　**CP** = Direct blendstock or complying by addition reporting for PCG 　　**CQ =** PCG batch after addition of blendstock or complying by addition reporting for PCG 　　**BX** = certified butane blended with PCG CG/CBOB 　　**PX** = certified pentane blended with PCG CG/CBOB Oxygenate batches: 　　**DE** – Denatured ethanol using certified ethanol denaturant 　　**DU** – Denatured ethanol from non-certified denaturant 　　**DO** – Oxygenate other than ethanol Other products: 　　**DL =** ULSD with sulfur greater than 15ppm 　　**GT** = Gasoline Treated as Blendstock (GTAB) 　　**TB** = Blendstock recovered from transmix and added to gasoline 　　**PP** = Pentane producer batch where pentane

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Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
			content is greater than or equal to 95 volume percent **PL** = Pentane producer batch where pentane content is less than 95 volume percent **BU** = Certified butane batch reported by blender **PU** = Certified pentane batch reported by blender

15	Gasoline Volatility Standards		**AA**; *Character*.
			• Identify the designation under the gasoline volatility standards found at 1090.315.
			
			Summer Gasoline
			    V1 = Federal 7.8 psi standard
			    V2 = Federal 9.0 psi standard
			    V4 = Federal SIP
			    V5 = Federal 7.4 psi standard
			    EX = Exempt from RVP control
			
			Winter Gasoline
			    VN = Not VOC Controlled
			
			Unknown Designation
			    UN = Unknown designation

16	Oxygenate	volume %	**99.99**; *Number*.

17	Oxygenate Parameter Test Method		**AAAAA;** *Character*. Identify test method used to measure parameter for each oxygenate.
			
			    ASTM Test methods – Provide the ASTM Method number (e.g., D5191)
			    PBMS - provide the descriptive title name.
			    Default value provided in part 1090 - state "Default"
			    Otherwise untested - If batch was un-tested and no default value can be used, state "Untested".

18	Oxygenate Type		**AAAAA;** *Character*. Identify each type of oxygenate used by providing one of the codes below:
			
			    ETOH – denatured fuel ethanol
			    MTBE – methyl tertiary butyl ether (MTBE)
			    ETBE – ethyl tertiary butyl ether (ETBE)
			    ISOB - isobutanol
			    TAME – tertiary amyl methyl ether (TAME)
			    MTHL – methanol

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Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
			TBUT – tert-butanol **UNKN** – Unknown **OTHR** – Other If "Other", enter the name of the oxygenate in the "Comments" field
19	Sulfur - BOB	ppm	**999**; *Number.* Enter "NA" only if field does not apply to the reported batch.
20	Sulfur – Hand Blend, Finished Gasoline, or Blendstock	ppm	**999;** *Number.* Enter result only for calculated hand blend, finished gasoline or blendstock (oxygenate, butane, etc). Otherwise, enter "NA".
21	Sulfur Parameter Test Method		**AAAAA;** *Character.* Identify test method(s) used to measure parameter. **ASTM Test methods** – Provide the ASTM Method number (e.g., D5191) **PBMS** - provide the descriptive title name. **Default value provided in part 1090** - state "Default" **Otherwise untested** - If batch was un-tested and no default value can be used, state "Untested".
22	Benzene	volume %	**9.99**; *Number.*
23	Benzene Parameter Test Method		**AAAAA;** *Character.* Identify test method used to measure parameter. **ASTM Test methods** – Provide the ASTM Method number (e.g., D5191) **PBMS** - provide the descriptive title name. **Default value provided in part 1090** - state "Default" **Otherwise untested** - If batch was un-tested and no default value can be used, state "Untested".
24	RVP - BOB	psi	**99.99**; *Number.* Enter result only for BOB. Enter "NA" only if field does not apply to the reported batch.
25	RVP – Hand Blend, Finished Gasoline, or Blendstock	psi	**99.99**; *Number.* Enter result only for calculated hand blend, finished gasoline or blendstock (oxygenate, butane, etc). Enter "NA" only if field does not apply to the reported batch.

EPA Form

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions

26	RVP Parameter Test Method		**AAAAA;** *Character.* Identify test method(s) used to measure parameter.
			
			    ASTM Test methods – Provide the ASTM Method number (e.g., D5191)
			    PBMS - provide the descriptive title name.
			    Default value provided in part 1090 - state "Default"
			    Otherwise untested - If batch was un-tested and no default value can be used, state "Untested".

27	Benzene deficit		**999999;** *Number.* Gasoline manufacturers who recertify BOB to gasoline calculate the benzene deficit for the batch using 1090.740(b)(2)
28	Sulfur deficit		**999999;** *Number.* Gasoline manufacturers who recertify BOB to gasoline calculate the sulfur deficit for the batch using 1090.740(b)(1)
29	Butane or Pentane	Volume %	**999.99;** *Number.* The volume percentage of butane in certified butane batches or pentane in certified pentane batches for blending.

30	Pentane Parameter Test Method		**AAAAA;** *Character.* Identify test method used to measure parameter.
			
			    ASTM Test methods – Provide the ASTM Method number (e.g., D5191)
			    PBMS - provide the descriptive title name.
			    Default value provided in part 1090 - state "Default"
			    Otherwise untested - If batch was un-tested and no default value can be used, state "Untested".

31	Comments	N/A	**AAAAA** – Enter any additional information or recordkeeping specific to this batch as needed. Butane blenders and Pentane Producers – Enter statement here affirming that the reported batch meets or does not meet all applicable standards in subpart C of part 1090.

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