Instructions for STR0200: Gasoline, Gasoline Blendstock, and Diesel Batch 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 that produce 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]).
- Special instructions for oxygenate reporting
    - For RBOB or CBOB, report the percentage of oxygenate in the handblend created under 1090.1340. ***See*** 1090.905(c)(2)(ix)
    - For RFG or CG where the fuel manufacturer does not account for the addition of downstream oxygenate, measure and report if the gasoline contains oxygenate. See 1090.905(c)(1)(ix)
    - If blending manufacturers and transmix processors are required to measure and report the volume of oxygenate under 1090.1310(e), report the measured value in the comments field.
- Special instructions for certified butane blending reporting – Butane reports are a combination of two reports with two separate batch IDs to include:
    - Butane batch – volume and properties of only the butane blendstock (reported as product type “BU”) as received by the butane producer
    - PCG + butane or the properties of the finished batch of gasoline (reported as product type “BC” or “BX”)
- Special instructions for certified pentane blending reporting – Pentane reports are a combination of two reports with two separate batch IDs to include:
    - Pentane batch – volume and properties of only the pentane blendstock (reported as product type “PU”) as received by the pentane producer
    - PCG + pentane or the properties of the finished batch of gasoline (reported as product type “PC” or “PX”)
    - Certified pentane producers are also required to report each batch of certified pentane produced (reported as product type PP).
- Special instructions for diesel manufacturers producing ULSD with sulfur greater than 15 ppm

  - 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
  - Enter "NA" for other gasoline specific parameters (i.e, RVP)
- Special instructions for blending manufacturers who produce gasoline by adding blendstocks to PCG to report the sulfur, benzene and RVP results
  - Blending manufacturers who comply by subtraction, follow the requirements in 1090.905(c)(3) to account for and report the addition of downstream oxygenate.
  - Blending manufacturers who comply by addition must include the sulfur and benzene content of the blendstock in their compliance calculations following the requirements in 1090.905(c)(4).
- Special instructions for gasoline produced by adding blendstocks to transmix gasoline product (TGP):
  - Blendstocks added to TGP – Report using either the compliance by addition or compliance by subtraction method and treat the transmix gasoline product as PCG
  - Both blendstocks and PCG added to TGP – Report using either the compliance by addition or compliance by subtraction method. If using compliance by subtraction, report the volume and properties of the PCG batch as one batch and the volume and properties of the TGP batch as a second batch.
  - If complying by addition, use the volume type ("DBS") for the blendstock and report the volume type ("OTH") and the final designation (e.g. RFG, CG) as the product type for the final certified batch.
    - For the final certified batch, report 1) the RVP of RBOB and RFG that is designated as "Intended for Oxygenate Blending" under §1090.1010(a)(4) using hand-blend. Report RVP of CG and CBOB using neat gasoline, and 2) the measured sulfur content of the finished batch prior to a hand blend in field 19.
  - TGP only or TGP plus PCG – Report as one overall batch using the properties of the final certified batch. Report the volume type ("OTH") and the final designation (e.g. RFG, CG) as the product type.

Reporting deadlines

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

Field Instructions

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
1	Report Form ID		**AAAAAA**; *Character*. Enter STR**0200**
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

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
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	Facility ID		**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 for a given volume 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 1090.1020. Please include leading zeros where applicable.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
10	Volume Type		**AAA**; *Character*. Enter the one appropriate volume type code from the following list. For additional information on compliance calculations, see 40 CFR part 1090, subpart H. **Volumes reported with positive values and included in compliance calculations** **DOM** = Any domestically produced batch volume **IMP** = Any imported product included in compliance calculations **DBS =** Any blendstock blended with PCG or TGP when complying by addition **Volumes reported with negative values and included in compliance calculations** **PCG** = Previously certified gasoline or TGP when complying by subtraction **REC** = Recertification of the BOB with less oxygenate **EXP** = Exported Batch; where a portion of a previously certified batch has been exported under 40 CFR 1090.645. **Volumes reported as positive values but not included in compliance calculations** **TOR** = Truck or rail imports not included in compliance calculations **OTH** = Gasoline produced with PCG and/or TGP by addition, certified butane blendstocks, certified pentane blendstocks, oxygenate producer batches or GTAB that are only used for per gallon compliance demonstration (see 1090.700(e)) **Volumes not included in compliance calculations** **ZER** = Cancelled batch – zero volume (such as when an entire previously certified batch has been contaminated, reprocessed, or exported). Provide additional explanation in the comments field.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
11	Batch Volume	Gallons	± **999999999**; *Number.* Production volume of the reported batch. Positive batch volumes include volume types of DOM, IMP, DBS, TOR, OTH Negative batch volumes include volume types EXP, REC, PCG Zero batch volume include volume types of ZER *For any BOB*- the volume is the sum of the BOB volume and the oxygenate volume that the gasoline manufacturer specifies to be blended with the BOB. *Intended for Oxygenate Blending* - For gasoline that is not a BOB but designated as intended for oxygenate blending (using product type codes "RU" or "CU"), do not include the oxygenate volume that the gasoline manufacturer specifies to be blended with the gasoline under 1090.1010(a)(4). If reporting a zero batch volume other than a canceled 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.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
13	Date PCG, Butane, or Pentane Batch Received		**MM/DD/YYYY;** *Character***.** Enter date received for PCG, Butane, or Pentane. Date received for PCG product only required when using compliance by subtraction method. If blending PCG with certified butane or certified pentane products, record the date the butane or pentane product was received. -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 -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 =** Gasoline that is not a RBOB but designated as intended for oxygenate blending **RP** = Blendstock added to PCG or TGP when complying by addition **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** = Gasoline that is not a CBOB but designated as intended for oxygenate blending **CP** = Blendstock added to PCG or TGP when complying by addition **BX** = certified butane blended with PCG CG/CBOB **PX** = certified pentane blended with PCG CG/CBOB Oxygenate producer batches: **DE** – Denatured ethanol using certified ethanol denaturant **DU** – Denatured ethanol from non-certified denaturant **DO** – Oxygenate other than ethanol (enter oxygenate type in comments field) Other products: **DL = Product designated as** ULSD that exceeds the sulfur 15ppm standard **GT** = Gasoline Treated as Blendstock (GTAB) **TP** – Transmix gasoline product treated as PCG that is used when complying by subtraction **PP** = Certified pentane reported by certified pentane producer **BU** = Certified butane batch reported by certified butane blender **PU** = Certified pentane batch reported by certified pentane blender

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
			When using RD or CD product type codes, enter into oxygenate field the intended oxygenate
15	Gasoline Volatility Standards		**AA**; *Character*. Identify the designation under the gasoline volatility standards found at 1090.215. 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 For "EX" batches, identify areas where fuel is intended for use in the comment field. Use "NA" if this field is not applicable
16	Oxygenate	volume %	**99.99**; *Number.* Enter the percentage of oxygenate in the handblend created under 1090.1340 or the measured amount of oxygenate. Use "NA" if this field is not applicable; use "ND" if "not detected" by the reported test method. Note only enter a zero if testing resulted in 0 value.
17	Oxygenate Parameter Test Method		**AAAAA;** *Character.* Identify test method used to measure parameter for each oxygenate. **Handblend** – Enter "handblend" for BOB batches under 1090.1340 **ASTM Test methods** – Provide the ASTM Method number (e.g., D5191) **PBMS** - provide the descriptive title name. **Supplier Provided** – If tested by supplier and testing method is unavailable, state "supplier tested" Use "NA" if this field is not applicable

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
18	Oxygenate Type		**AAAAA;** *Character.* Identify each type of oxygenate used by providing one of the codes below. For batches with BOB product types, enter the oxygenate type used in creating the handblend. **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 **TBUT** – tert-butanol **UNKN** – Unknown **OTHR** – Other Batches containing two or more oxygenates – Enter the primary oxygenate value in field 18 followed by entering the additional oxygenates and percent values in the "comments" field. Do not include "not detected" or ND values in 1090.1355(e) If "Other", enter the name of the oxygenate in the "Comments" field. Use "NA" if this field is not applicable
19	Sulfur – Per gallon compliance value	ppm	**999**; *Number.* Enter the measured or presumed value under 1090.1710(g) as appropriate. Use "NA" if this field is not applicable. Note only enter a zero if testing resulted in 0 value on a test method that is validated down to zero.
20	Sulfur – Average compliance value	ppm	**999;** *Number.* Enter result for hand blend or finished gasoline or blendstock for PCG complying by addition. Enter the measured or presumed value as appropriate. Use "NA" if this field is not applicable. Note only enter a zero if testing resulted in 0 value on a test method that is validated down to zero.
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" under 1090.740 **Presumed value provided in part 1090** – state "presumed" under 1090.1710(g) Use "NA" if this field is not applicable

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
22	Benzene	volume %	**9.99**; *Number.* Enter the measured or presumed value under 1090.1710(g) as appropriate. Use "NA" if this field is not applicable. Note only enter a zero if testing resulted in 0 value on a test method that is validated down to zero.
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" under 1090.740 **Presumed value provided in part 1090** – state "presumed" under 1090.1710(g) Use "NA" if this field is not applicable
24	RVP	psi	**99.99**; *Number.* Enter the measured or presumed value under 1090.1710(g) as appropriate. Use "NA" if this field is not applicable.
25	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. **Presumed value provided in part 1090** – state "presumed" under 1090.1710(g) Use "NA" if this field is not applicable
26	Benzene deficit		**999999;** *Number.* Gasoline manufacturers who recertify a BOB with less oxygenate calculate the benzene deficit for the batch using 1090.740(b)(2). Use "NA" if this field is not applicable
27	Sulfur deficit		**999999;** *Number.* Gasoline manufacturers who recertify a BOB with less oxygenate calculate the sulfur deficit for the batch using 1090.740(b)(1). Use "NA" if this field is not applicable
28	Butane or Pentane	volume %	**999.99;** *Number.* The volume percentage of butane in certified butane batches or pentane in certified pentane batches for blending. Enter the measured value. Use "NA" if this field is not applicable.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
29	Butane or 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. Use "NA" if this field is not applicable
30	Comments	N/A	**AAAAA** – Enter any additional information or recordkeeping specific to this batch as needed. When providing additional information on a specific field, begin the comment with the field number in parentheses followed by the additional information. 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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