



Ethanol Flex Fuel (EFF) Bulk Blender-Refiner Batch Report – (EFF0400): Instructions for Completing

Who must report

- Any EFF bulk blender-refiner for each of its bulk-blender refineries shall submit to EPA an Ethanol Flex Fuel Bulk Blender-Refiner Batch Report for each batch produced during the compliance year. This report is used to demonstrate compliance with applicable EFF requirements by batch.

Reporting deadlines for refiners and importers

- EFF bulk blender-refiners shall submit to EPA the Ethanol Flex Fuel Bulk Blender-Refiner Batch Report(s) by March 31st of each year for the prior calendar year averaging period.

How to submit reports

- EPA maintains report templates, electronic submission procedures and additional support options at <http://www.epa.gov/otaq/fuels/reporting/cdx.htm>.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
1	Report Form ID		AAAAAA ; <i>Character</i> . Enter EFF0400
2	Report Type		A ; <i>Character</i> . 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 ; <i>Character</i> . 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 ; <i>Character</i> . Enter the date the original or resubmitted report is created.
5	Averaging/Compliance Period		YYYY ; <i>Character</i> . Enter the averaging/compliance year the report covers.
6	Company/Entity ID		AAAA ; <i>Character</i> . Enter the EPA assigned four-character ID for the bulk-blender refiner.
7	Facility ID		AAAAA ; <i>Character</i> . Enter EPA-assigned five-character ID for the facility. Include leading zeros as needed.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
8	Batch Number		AAAAAA ; <i>Character</i> . 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 year (e.g., 4321-54321-14-000001, 4321-54321-14-000002, etc.), as described in 40 CFR 80.65(d)(3). Please include leading zeros where applicable.
9	Batch Volume	Gallons	99999999 ; <i>Number</i> . Production volume of the reported batch of EFF.
10	Production Date		MM/DD/YYYY ; <i>Character</i> . Date the reported batch was produced or imported.
11	Product Type		AA ; <i>Character</i> . Enter the one appropriate product description code from the following list: ER = EFF produced for use in an area required to use reformulated gasoline as described in 40 CFR § 80.70 EC = EFF produced for use in conventional gasoline areas
12	Batch Grade		AA ; <i>Character</i> . Enter the one appropriate batch grade code from the following list. HI = EFF that contains more than 50 volume percent ethanol up to and including 83 volume percent ethanol (i.e. E51-83) LO = EFF that contains more than 15 volume percent ethanol up to and including 50 volume percent ethanol (i.e. E16-50)
13	EFF RVP Standard		AA ; <i>Character</i> . <ul style="list-style-type: none"> • For EFF produced for use in a VOC-controlled RFG area, report the appropriate region; if not VOC-controlled report "VN". • For EFF produced for use in a CG area, report "VN" if the batch was produced for use during winter. Indicate "V1" if the batch was produced for use in a 7.8 psi area, or "V2" if it was produced for use in a 9.0 psi area. VN = Not VOC Controlled (or CG Winter) V1 = RFG VOC Region 1 (or CG 7.8 PSI) V2 = RFG VOC Region 2 (or CG 9.0 PSI) V3 = RFG Adjusted VOC V4 = Federal SIP
14	Ethanol	Volume %	99.9 ; <i>Number</i> .

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
15	Ethanol Parameter Test method		AAAAA ; <i>Character</i> . Enter the test method used to measure parameter for ethanol content as described in 40 CFR § 80.1553(i) as follows: D5599 = ASTM D5599 D4815 = ASTM D4815
16	RVP	psi	99.99 ; <i>Number</i> .
17	RVP Parameter Test Method		AAAAA ; <i>Character</i> . Enter the test method used to measure parameter for RVP as described in 40 CFR § 80.1553(g) as follows: D5191 = ASTM D5191 D5482 = ASTM D5482 D6378 = ASTM D6378 MODEL = RVP model results as specified in 40 CFR § 80.1553(j)
18	Ethanol Blendstock Type		AA ; <i>Character</i> . Enter the type of ethanol blendstock used to produce the ethanol flex fuel as follows: DE = Denatured ethanol UE = Undenatured ethanol
19	Ethanol Blendstock Volume	Gallons	999999999 ; <i>Number</i> . Volume of ethanol blendstock use to produce reported batch of EFF.
20	First Hydrocarbon Blendstock Type		AA ; <i>Character</i> . Enter the type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: RG = Reformulated Gas RO = RBOB any oxygenate CG = Conventional Gasoline CB = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate NC = Certified natural gasoline EFF blendstock
21	First Hydrocarbon Blendstock Volume	Gallons	999999999 ; <i>Number</i> . Volume of first hydrocarbon blendstock used to produce reported batch of EFF.
22	Second Hydrocarbon Blendstock Type		AA ; <i>Character</i> . Enter the second type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: RG = Reformulated Gas RO = RBOB any oxygenate CG = Conventional Gasoline CB = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate NC = Certified natural gasoline EFF blendstock NA = Not applicable, enter if no second hydrocarbon blendstock was used

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
23	Second Hydrocarbon Blendstock Volume	Gallons	999999999 ; <i>Number</i> . Enter volume of second hydrocarbon blendstock used to produce reported batch of EFF or “NA” if no second hydrocarbon blendstock.
24	Third Hydrocarbon Blendstock Type		AA ; <i>Character</i> . Enter the third type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: RG = Reformulated Gas RO = RBOB any oxygenate CG = Conventional Gasoline CB = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate NC = Certified natural gasoline EFF blendstock NA = Not applicable, enter if no third hydrocarbon blendstock was used
25	Third Hydrocarbon Blendstock Volume	Gallons	999999999 ; <i>Number</i> . Enter volume of third hydrocarbon blendstock used to produce reported batch of EFF or “NA” if no third hydrocarbon blendstock.
26	Fourth Hydrocarbon Blendstock Type		AA ; <i>Character</i> . Enter the fourth type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: RG = Reformulated Gas RO = RBOB any oxygenate CG = Conventional Gasoline CB = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate NC = Certified natural gasoline EFF blendstock NA = Not applicable, enter if no fourth hydrocarbon blendstock was used
27	Fourth Hydrocarbon Blendstock Volume	Gallons	999999999 ; <i>Number</i> . Enter volume of fourth hydrocarbon blendstock used to produce reported batch of EFF or “NA” if no fourth hydrocarbon blendstock.



Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
28	Fifth Hydrocarbon Blendstock Type		AA ; <i>Character</i> . Enter the fifth type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: RG = Reformulated Gas RO = RBOB any oxygenate CG = Conventional Gasoline CB = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate NC = Certified natural gasoline EFF blendstock NA = Not applicable, enter if no fifth hydrocarbon blendstock was used
29	Fifth Hydrocarbon Blendstock Volume	Gallons	999999999 ; <i>Number</i> . Enter volume of fifth hydrocarbon blendstock used to produce reported batch of EFF or "NA" if no fifth hydrocarbon blendstock.

Electronic Submission Sample Record:

EFF0400,O,Y,03/31/2018,2017,9999,99999,123456,123456,12/31/2017,EC,HI,V2,80.5,D5599,8.79,MO
 DEL,UE,99382,NC,24074,NA,NA,NA,NA,NA,NA,NA,NA

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