



## Ethanol Flex Fuel (EFF) Full-Refiner Batch Report – (EFF0200): Instructions for Completing

### Who must report

- Any EFF full-refiner for each of its refineries, and any importer for the ethanol flex fuel it imports, shall submit to EPA an Ethanol Flex Fuel Full-Refiner Batch Report for each batch produced during the compliance year. This report is used to demonstrate compliance with applicable EFF requirements by batch of EFF.

### Reporting deadlines for refiners and importers

- EFF full-refiners or importers shall submit to EPA the Ethanol Flex Fuel Full-Refiner Batch Report(s) by March 31<sup>st</sup> 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		<b>AAAAAA</b> ; <i>Character</i> . Enter <b>EFF0200</b>
2	Report Type		<b>A</b> ; <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. <b>O</b> = Original <b>R</b> = Resubmission
3	CBI		<b>A</b> ; <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: <b>Y</b> = Confidential Business Information <b>N</b> = Non-Confidential Business Information
4	Report Date		<b>MM/DD/YYYY</b> ; <i>Character</i> . Enter the date the original or resubmitted report is created.
5	Averaging/Compliance Period		<b>YYYY</b> ; <i>Character</i> . Enter the averaging/compliance year the report covers.
6	Company/Entity ID		<b>AAAA</b> ; <i>Character</i> . Enter the EPA assigned four-character ID for the refiner or importer.
7	Facility ID		<b>AAAAA</b> ; <i>Character</i> . Enter EPA-assigned five-character ID for the facility. Include leading zeros as needed.
8	Batch Number		<b>AAAAAA</b> ; <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.



Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
9	Batch Volume	Gallons	<b>999999999</b> ; <i>Number</i> . Production volume of the reported batch of EFF.
10	Production Date		<b>MM/DD/YYYY</b> ; <i>Character</i> . Date the reported batch was produced or imported.
11	Product Type		<b>AA</b> ; <i>Character</i> . Enter the one appropriate product description code from the following list: <b>ER</b> = EFF produced for use in an area required to use reformulated gasoline as described in 40 CFR § 80.70 <b>EC</b> = EFF produced for use in conventional gasoline areas
12	Batch Grade		<b>AA</b> ; <i>Character</i> . Enter the one appropriate batch grade code from the following list. <b>HI</b> = EFF that contains more than 50 volume percent ethanol up to and including 83 volume percent ethanol (i.e. E51-83) <b>LO</b> = 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		<b>AA</b> ; <i>Character</i> . <ul style="list-style-type: none"> <li>For EFF produced for use in a VOC-controlled RFG area, report the appropriate region; if not VOC-controlled report "VN".</li> <li>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.</li> </ul> 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 %	<b>99.99</b> ; <i>Number</i> .
15	Ethanol Parameter Test method		<b>AAAAA</b> ; <i>Character</i> . Enter the test method used to measure parameter for ethanol content as described in 40 CFR § 80.1553(i) as follows: <b>D5599</b> = ASTM D5599 <b>D4815</b> = ASTM D4815
16	Sulfur	ppm	<b>9999.99</b> ; <i>Number</i> .

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
17	Sulfur Parameter Test Method		<b>AAAAA</b> ; <i>Character</i> . Enter the test method used to measure parameter for sulfur content as described in 40 CFR § 80.1553(e) as follows: <b>D2622</b> = ASTM D2622 <b>D1266</b> = ASTM D1266 <b>D3120</b> = ASTM D3120 <b>D5433</b> = ASTM D5453 <b>D6920</b> = ASTM D6920 <b>D7220</b> = ASTM D7220 <b>D7039</b> = ASTM D7039
18	Benzene	volume %	<b>9.99</b> ; <i>Number</i> .
19	Benzene Parameter Test Method		<b>AAAAA</b> ; <i>Character</i> . Enter the test method used to measure parameter for benzene content as described in 40 CFR § 80.1553(f) as follows: <b>D5769</b> = ASTM D5769 <b>D5580</b> = ASTM D5580 <b>D3606</b> = ASTM D3606 <b>D6730</b> = ASTM D6730
20	RVP	psi	<b>99.99</b> ; <i>Number</i> .
21	RVP Parameter Test Method		<b>AAAAA</b> ; <i>Character</i> . Enter the test method used to measure parameter for RVP as described in 40 CFR § 80.1553(g) as follows: <b>D5191</b> = ASTM D5191 <b>D5482</b> = ASTM D5482 <b>D6378</b> = ASTM D6378
22	Ethanol Blendstock Type		<b>AA</b> ; <i>Character</i> . Enter the type of ethanol blendstock used to produce the ethanol flex fuel as follows: <b>DE</b> = Denatured ethanol <b>UE</b> = Undenatured ethanol
23	Ethanol Blendstock Volume	Gallons	<b>999999999</b> ; <i>Number</i> . Volume of ethanol blendstock use to produce reported batch of EFF.
24	First Hydrocarbon Blendstock Type		<b>AA</b> ; <i>Character</i> . Enter the type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: <b>RG</b> = Reformulated Gas <b>RO</b> = RBOB any oxygenate <b>CG</b> = Conventional Gasoline <b>CB</b> = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate <b>NC</b> = Certified natural gasoline EFF blendstock <b>NU</b> = Uncertified natural gasoline EFF blendstock
25	First Hydrocarbon Blendstock Volume	Gallons	<b>999999999</b> ; <i>Number</i> . Volume of first hydrocarbon blendstock used to produce reported batch of EFF.

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

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
30	Fourth Hydrocarbon Blendstock Type		<b>AA; Character.</b> Enter the fourth type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: <b>RG</b> = Reformulated Gas <b>RO</b> = RBOB any oxygenate <b>CG</b> = Conventional Gasoline <b>CB</b> = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate <b>NC</b> = Certified natural gasoline EFF blendstock <b>NU</b> = Uncertified natural gasoline EFF blendstock <b>NA</b> = Not applicable, enter if no fourth hydrocarbon blendstock was used
31	Fourth Hydrocarbon Blendstock Volume	Gallons	<b>99999999; Number.</b> Enter volume of fourth hydrocarbon blendstock used to produce reported batch of EFF or "NA" if no fourth hydrocarbon blendstock.
32	Fifth Hydrocarbon Blendstock Type		<b>AA; Character.</b> Enter the fifth type of hydrocarbon blendstock used to produce the ethanol flex fuel as follows: <b>RG</b> = Reformulated Gas <b>RO</b> = RBOB any oxygenate <b>CG</b> = Conventional Gasoline <b>CB</b> = Conventional Gasoline Blendstock for Oxygenate Blending (CBOB) or blendstock which becomes conventional gasoline solely upon addition of oxygenate <b>NC</b> = Certified natural gasoline EFF blendstock <b>NU</b> = Uncertified natural gasoline EFF blendstock <b>NA</b> = Not applicable, enter if no fifth hydrocarbon blendstock was used
33	Fifth Hydrocarbon Blendstock Volume	Gallons	<b>99999999; Number.</b> Enter volume of fifth hydrocarbon blendstock used to produce reported batch of EFF or "NA" if no fifth hydrocarbon blendstock.



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

**Electronic Submission Sample Record:**

EFF0200,O,Y,03/31/2018,2017,9999,99999,123456,123456,12/31/2017,ER,HI,V2,81.50,D5599,9.6,D26  
 22,0.60,D5580,6.89,D5191,DE,102629,RO,20827,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA

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