RFS2 Biointermediate Producers Batch Reports (RFS4000): Instructions for Completing

Who must report
- RFS2 Biointermediate producers that must submit batch reports under 80.1451(i)(2).

Reporting requirements
- Enter a separate report line for each batch of biointermediate.
- **Required fields and NA values** – Certain report fields or parameters may be specific to select product types or situations. If a report field does not apply to the reported batch, enter the value "NA". Do not leave the field blank.

Reporting deadlines
- Producers shall report on a quarterly basis:

Production Calendar Quarter	Time Period Covered	Quarterly Report Deadline
Quarter 1	January 1 – March 31	June 1
Quarter 2	April 1 – June 30	September 1
Quarter 3	July 1 – September 30	December 1
Quarter 4	October 1 – December 31	March 31

How to submit reports
- Please check the RFS reporting web site for updated instructions and templates: https://www.epa.gov/fuels-registration-reporting-and-compliance-help/how-report-quarterly-and-annually-renewable-fuel
- For information on submitting this report using EPA's Central Data Exchange (CDX) visit: https://www.epa.gov/fuels-registration-reporting-and-compliance-help/user-guides-otaqdcfuel-central-data-exchange-cdx

Field Instructions

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
1	Report Form ID		**AAAAAA;** *Character.* Enter **RFS4000**
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

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
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	Compliance Period Year		**YYYY**; *Character*. Enter the averaging/compliance year the report covers.
6	Compliance Period Quarter		**AA;** *Character*. Enter the quarter under the compliance year this report covers
7	Biointermediate Company ID		**AAAA**; *Character*. Enter the EPA assigned four-character ID of the biointermediate producer.
8	Biointermediate Production Facility ID		**AAAAA**; *Character*. Enter EPA-assigned five-character ID for the biointermediate production facility.
9	RIN Generator Company ID		**AAAA**; *Character*. Enter the EPA assigned four-character ID of the renewable fuel producer that received title for use of the batch of biointermediate.
10	RIN Generator Facility ID		**AAAAA**; *Character*. Enter the EPA assigned five-character ID of the renewable fuel producer that received title for use of the batch of biointermediate.
11	Batch Number		**AAAAAA**; *Character*. The batch number assigned by the biointermediate producer identifying the biointermediate 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 80.1475(h). Please include leading zeros where applicable.
12	Batch Volume		**999999999**; *Number*. Production quantity of the reported batch of biointermediate.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
13	Batch Volume Units		**AAA;** *Character.* Unit of measure for the quantity of biointermediate reported in [No. 12] **10:** Cubic Feet **20:** 100 Cubic Feet **30:** 1,000,000 Cubic Feet **40:** Gallon **50:** Liter **60:** Short Ton **70:** Cubic Meters **80:** Therm **90:** Decatherm **100:** Bushel **110:** Pounds
14	Production Date		**MM/DD/YYYY;** *Character.* Date the reported batch was produced.
15	Fuel Type (1)		**AAA;** *Character.* Enter the two or three character code representing the renewable fuel for which the biointermediate was designated to be used as a feedstock material. If more than one fuel type was designated, enter each subsequent fuel type(s) and D-Code(s) using fields 17 through 20. A list of three-digit fuel category codes are available at: https://www.epa.gov/sites/production/files/2015-09/rfs-emts-report-codes-fuel-pathway-v4-1.xlsx
16	Fuel Type D-Code (1)		**A;** *Character.* Enter the single digit identifier of the D-code representing the type of renewable fuel for which the biointermediate was designated to be used as a feedstock material. The D-codes are: **3:** D3 fuel categorized as cellulosic biofuel **4:** D4 fuel categorized as biomass-based diesel **5:** D5 fuel categorized as advanced biofuel **6:** D6 fuel categorized as renewable fuel **7:** D7 fuel categorized as cellulosic diesel
17	Fuel Type (2)		**AAA;** *Character.* Enter the two or three character code representing the renewable fuel for which the biointermediate was designated to be used as a feedstock material. If less than two fuel types were used, enter "NA".

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
18	Fuel Type D-Code (2)		**A**; *Character*. Enter the single digit identifier of the D-code representing the type of renewable fuel for which the biointermediate was designated to be used as a feedstock material. If less than two fuel types were used, enter "NA". The D-codes are: **3:** D3 fuel categorized as cellulosic biofuel **4:** D4 fuel categorized as biomass-based diesel **5:** D5 fuel categorized as advanced biofuel **6:** D6 fuel categorized as renewable fuel **7:** D7 fuel categorized as cellulosic diesel
19	Fuel Type (3)		**AAA**; *Character*. Enter the two or three character code representing the renewable fuel for which the biointermediate was designated to be used as a feedstock material. If less than three fuel types were used, enter "NA".
20	Fuel Type D-Code (3)		**A**; *Character*. Enter the single digit identifier of the D-code representing the type of renewable fuel for which the biointermediate was designated to be used as a feedstock material. If less than three fuel types were used, enter "NA". The D-codes are: **3:** D3 fuel categorized as cellulosic biofuel **4:** D4 fuel categorized as biomass-based diesel **5:** D5 fuel categorized as advanced biofuel **6:** D6 fuel categorized as renewable fuel **7:** D7 fuel categorized as cellulosic diesel
21	Feedstock Code (1)		**AAA**; *Character*. Enter the feedstock code of the individual feedstock used in the batch. If more than one feedstock type was used, enter each subsequent feedstock name and amounts using fields 24 through 35. A list of three-digit process codes are available at: https://www.epa.gov/sites/production/files/2015-09/rfs-emts-report-codes-fuel-pathway-v4-1.xlsx
22	Feedstock Amount (1)		**999999999999**; *Number*. Enter the amount of the individual feedstock used in the production of the batch.

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
23	Feedstock Unit of Measure (1)		**AAA;** *Character.* Enter the unit of measure. **10:** Cubic Feet **20:** 100 Cubic Feet **30:** 1,000,000 Cubic Feet **40:** Gallon **50:** Liter **60:** Short Ton **70:** Cubic Meters **80:** Therm **90:** Decatherm **100:** Bushel **110:** Pounds
24	Feedstock to volume proportion (1)		**999;** *Percentage.* Enter the proportion of biointermediate attributable to feedstock (1).
25	Feedstock Code (2)		**AAA;** *Character.* Enter the feedstock code of the individual feedstock used in the batch. If only one feedstock type was used, enter "NA".
26	Feedstock Amount (2)		**999999999999;** *Number.* Enter the amount of the individual feedstock used in the production of the batch. If only one feedstock type was used, enter "NA".
27	Feedstock Unit of Measure (2)		**AAA;** *Character.* Enter the unit of measure. If only one feedstock type was used, enter "NA". **10:** Cubic Feet **20:** 100 Cubic Feet **30:** 1,000,000 Cubic Feet **40:** Gallon **50:** Liter **60:** Short Ton **70:** Cubic Meters **80:** Therm **90:** Decatherm **100:** Bushel **110:** Pounds
28	Feedstock to volume proportion (2)		**999;** *Percentage.* Enter the proportion of biointermediate attributable to feedstock (2).
29	Feedstock Code (3)		**AAA;** *Character.* Enter the feedstock code of the individual feedstock used in the batch. If only two feedstock types were used, enter "NA".

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
30	Feedstock Amount (3)		**999999999999**; *Number*. Enter the amount of the individual feedstock used in the production of the batch. If only two feedstock types were used, enter "NA".
31	Feedstock Unit of Measure (3)		**AAA**; *Character*. Enter the unit of measure. If only two feedstock types were used, enter "NA". **10:** Cubic Feet **20:** 100 Cubic Feet **30:** 1,000,000 Cubic Feet **40:** Gallon **50:** Liter **60:** Short Ton **70:** Cubic Meters **80:** Therm **90:** Decatherm **100:** Bushel **110:** Pounds
32	Feedstock to volume proportion (3)		**999**; *Percentage*. Enter the proportion of biointermediate attributable to feedstock (3).
33	Feedstock Code (4)		**AAA**; *Character*. Enter the feedstock code of the individual feedstock used in the batch. If only three feedstock types were used, enter "NA".
34	Feedstock Amount (4)		**999999999999**; *Number*. Enter the amount of the individual feedstock used in the production of the batch. If only three feedstock types were used, enter "NA".
35	Feedstock Unit of Measure (4)		**AAA**; *Character*. Enter the unit of measure. If only three feedstock types were used, enter "NA". **10:** Cubic Feet **20:** 100 Cubic Feet **30:** 1,000,000 Cubic Feet **40:** Gallon **50:** Liter **60:** Short Ton **70:** Cubic Meters **80:** Therm **90:** Decatherm **100:** Bushel **110:** Pounds
36	Feedstock to volume proportion (4)		**999**; *Percentage*. Enter the proportion of biointermediate attributable to feedstock (4).

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Renewable Fuel Standard
RFS2 Biointermediate Producers Batch Reports
Form ID: RFS4000

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Expires: [Pending]

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
37	Feedstock Code (5)		**AAA;** *Character.* Enter the feedstock code of the individual feedstock used in the batch. If only four feedstock types were used, enter "NA".
38	Feedstock Amount (5)		**999999999999;** *Number.* Enter the amount of the individual feedstock used in the production of the batch. If only four feedstock types were used, enter "NA".
39	Feedstock Unit of Measure (5)		**AAAA….;** *Character.* Enter the unit of measure. If only four feedstock types were used, enter "NA". **10:** Cubic Feet **20:** 100 Cubic Feet **30:** 1,000,000 Cubic Feet **40:** Gallon **50:** Liter **60:** Short Ton **70:** Cubic Meters **80:** Therm **90:** Decatherm **100:** Bushel **110:** Pounds
40	Feedstock to volume proportion (5)		**999;** *Percentage.* Enter the proportion of biointermediate attributable to feedstock (5).

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
41	Co-product Name (1)		**AAA;** *Character.* Enter the three-digit code of the individual co-product used in the batch. If more than one co-product type was used, enter the subsequent co-product name and amount using fields 39 through fields 41. If no co-products were produced, enter "NA". **DDG:** Dry-Distiller Grain **WDG:** Wet-Distiller Grain **GLY:** Glycerin **OTH:** Other
42	Co-product Amount (1)		**999999999999;** *Number.* Enter the amount of the co-product produced in the production of the batch. If no co-products were produced, enter "NA".
43	Co-product Unit of Measure (1)		**AA;** *Character.* Enter the unit of measure. If no co-products were produced, enter "NA". **10:** Short Ton **20:** Pounds
44	Co-product Name (2)		**AAA;** *Character.* Enter the name of the individual co-product produced with the batch. If only one co-product or no co-products were produced, enter "NA". **DDG:** Dry-Distiller Grain **WDG:** Wet-Distiller Grain **GLY:** Glycerin **OTH:** Other
45	Co-product Amount (2)		**999999999999;** *Number.* Enter the amount of the individual co-product used in the production of the batch. If only one co-product or no co-products were produced, enter "NA".
46	Co-product Unit of Measure (2)		**AA;** *Character.* Enter the unit of measure. If only one co-product or no co-products were produced, enter "NA". **10:** Short Ton **20:** Pounds

Field No.	Field Name	Units	Field Formats, Codes & Special Instructions
47	Process Code		**AAA;** *Character.* Enter the three-digit process code associated with the production process used to produce the biointermediate. A list of three-digit process codes are available at: https://www.epa.gov/fuels-registration-reporting-and-compliance-help/reporting-codes-and-fuel-pathways-epa-moderated
48	Adjusted Cellulosic Content	Mass %	**999.9;** *Character.* Enter the percentage on a dry mass basis of the batch of biointermediate that organic material that is cellulose, hemicellulose, and lignin. If the batch of biointermediate does not have cellulosic content for which RINs may be generated, enter "NA".
49	Adjusted Cellulosic Content Certification		**A;** *Character.* Confirm that the adjusted cellulosic content of the batch of biointermediate was derived from cellulose, hemicellulose, or lignin that was derived from renewable biomass as defined in 40 C.F.R. §80.1401. **Y:** Yes **N:** No If the batch of biointermediate does not have cellulosic content for which RINs may be generated, enter "NA".
50	Renewable Content		**9.999;** Enter the portion of the biointermediate that came from renewable biomass, expressed as a percentage, on an energy basis.
51	Renewable Content Certification		**A;** *Character.* Confirm that the renewable content of the batch of biointermediate was derived from renewable biomass as defined in 40 C.F.R. §80.1401. **Y:** Yes **N:** No
52	Comments		**AAAAA;** *Character.* Enter any necessary comments or recordkeeping information

Sample report line:

RFS4000,O,Y,03/31/2018,2017,Q4,1234,12345,2345,23456,000001,123456,40,12/25/2017,60,3,NA,NA, NA,NA,80,246912,110,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,NA,OTH,4016,10,NA,NA,NA, 999,100.0,Y,1.000,Y

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