

EIA-819 MONTHLY BIOFUELS, FUEL OXYGENATES, ISOCTANE AND ISOCTENE REPORT

YOUR RESPONSE IS REQUIRED BY LAW

This report is mandatory under Title 15 U.S.C. §772(b). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by Title 15 U.S.C. §797. Title 18 U.S.C. §1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.

Form EIA-819 must be completed by operators of facilities that produce one or more of the following fuel products.

- Fuel alcohol
- Biodiesel
- Renewable diesel fuel, heating oil, jet fuel, naphtha, gasoline, and other biofuels and biointermediates
- Fuel oxygenates (other than fuel alcohol)
- Isooctane and Isooctene

Geographic coverage includes plants located in the 50 U.S. States, District of Columbia, Puerto Rico, U.S. Virgin Islands, Guam, and other U.S. territories.

PURPOSE

The U.S. Energy Information Administration (EIA) Form EIA-819, *Monthly Biofuels, Fuel Oxygenates, Isooctane and Isooctene Report* is used to collect the following data:

- Monthly production capacity of biofuel plants
- Monthly production, receipt, blending activity (input and production), shipments, plant use and loss, and stock quantities at biofuel plants
- Monthly biofuel feedstock consumption
- Monthly production of fuel oxygenates, isooctane, and isooctene
- Annual consumption of fuels and feedstocks for plant operations

Data appear on EIA's website at www.eia.gov and in numerous government publications. The data collected on Form EIA-819 is used to report aggregate statistics on and conduct analyses of the operations of U.S. producers.

RESPONSE DUE DATE

The Form EIA-819 must be received by the 20th calendar day following the end of the report month (e.g., Form EIA-819 with data for January must be received at EIA by February 20). Form EIA-819, "Annual Fuels and Feedstocks Consumed for Plant Operations" (Part 11) must be completed each year when submitting monthly data for February (due to EIA by March 20).

Report annual fuel and feedstock quantities for the prior calendar year or for the part of the prior calendar year when your company operated the plant. If your company operated a plant for only part of a calendar year, then report fuel and feedstock consumption for the part of the year when your company was the plant operator. Report this information on or before March 20 of the year following the end of the report year.

HOW TO FILE A RESPONSE

Respondents should transmit data using the [EIA Respondent Portal](#). The EIA Respondent Portal is a secure web-based application that will enable you to enter data interactively using a web form. Instructions on how to access and use the EIA Respondent Portal can be downloaded from the EIA-819 survey site.

Secure File Transfer System of a Microsoft Excel® spreadsheet through the Internet is also an acceptable mode of submission. The secure hypertext transfer protocol (HTTPS) is a communications protocol designed to transfer encrypted information between computers over the Internet.

For questions regarding modes of submission, contact the EIA Support Team at (855) 342-4872 or via email at EIA4USA@eia.gov. EIA does not accept email, fax, or paper forms.

Data Submission Methods

By EIA Respondent Portal (**preferred method**): <https://survey.eia.gov>

By Secure File Transfer: <https://signon.eia.doe.gov/upload/noticeoog.jsp>

QUESTIONS

Please contact the EIA Survey Support Team using the following communication methods:

By email: eia4usa@eia.gov

By phone: 1-855-EIA-4USA (1-855-342-4872) [Monday through Friday, 8:00 AM to 6:00 PM E.T.]

HOW TO USE EIA'S RESPONDENT PORTAL

The EIA Respondent Portal is a secure web-based application that will enable you to enter data interactively using a web form. Detailed instructions on how to register for and submit data using the EIA Respondent Portal can be found by downloading these instructions: https://www.eia.gov/survey/form/eia_819/portal_instructions.pdf

HOW TO USE EIA'S SECURE FILE TRANSFER

EIA is ensuring the security of your transactions by using the latest Internet security technology. The technology being used to protect your data is encryption which is the scrambling of data into a code that is unreadable to anyone who does not have the key that deciphers it. The secure hypertext transfer protocol (HTTPS) is a communications protocol designed to transfer this encrypted information between computers over the internet. All information is protected by 128-bit encryption to maintain the privacy and confidentiality of your data. The only thing you need to take advantage of strong encryption technology is a secure browser, one that supports 128-bit encryption.

1. Go to the EIA Secure File Transfer system located at <https://signon.eia.doe.gov/upload/noticeoog.jsp>
2. Read the Agreement and then click the **Accept** button.
3. Enter your name, company name, phone number and email address into the boxes provided. Note that the email address is required so that we can send you a confirmation of the receipt of your data.
4. Click on the **Choose Files** button to navigate to your saved Excel file submission. Select the file to upload and click on the **Open** button.
5. If you are ready to submit your file, click on the green **Submit File(s)** button. Please be patient, it may take a few minutes to upload your file. Do not close your browser during this upload. A confirmation page will be displayed with a Submission Successful banner and indicate the names of the files you have transferred, a confirmation number and the date and time of the transfer.

SANCTIONS

The timely submission of Form EIA-819 by those required to report is mandatory under 15 USC 772(b), as amended. Failure to respond may result in a civil penalty of not more than \$10,633 each day for each violation. The government may bring a civil action to prohibit reporting violations which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements.

REPORTING BURDEN

Public reporting burden for this collection of information is estimated to average 1.13 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden to: Energy Information Administration, Statistical Methods and Research, EI-21, 1000 Independence Avenue, S.W., Washington, D.C. 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

DISCLOSURE OF INFORMATION

Information on production capacities for fuel alcohol, biodiesel, and renewable fuels and intermediate products (reported in Parts 3, 5, and 7 of Form EIA-819) are not considered confidential and will be publicly released in identifiable form by company and site. All other information reported on this form will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552(b), the DOE regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905.

The Federal Energy Administration Act requires EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another component of the Department of Energy (DOE); to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any non-statistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are applied to U.S. and other totals for quantities of biofuel feedstocks consumed as reported in Part 9 of Form EIA-819. This is to ensure that the risk of disclosure of identifiable information is very small. Disclosure limitation procedures are not applied to the aggregated statistical data other than biofuel feedstock consumption published from data collected on Form EIA-819. Thus, there may be some statistics that are based on aggregated data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent using published aggregated data. Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

SPECIFIC INSTRUCTIONS

PART 1: RESPONDENT IDENTIFICATION DATA

All reporting companies provide respondent identification information in Part 1 of Form EIA-819. If using the EIA Respondent Portal, please verify this information and contact us if it needs to be changed.

- Enter the year and month of data in the report.
- Enter the 10-digit EIA ID Number. If you do not have a number, submit your report leaving this field blank. EIA will advise you of the number.
- If there has been a change since the last report, enter an "X" in the block provided, and update respondent information.
- Enter the name of the person preparing the report in the space labeled "preparer name."
- Enter the address of the person preparing the report in the space provided.
- Enter the preparer address, telephone number, facsimile number, and email address in the spaces provided.
- Enter the name that you commonly used to identify the plant as the "plant name" (e.g., the name of the nearest town).
- Enter the plant address (preferably a street address), plant contact name and title (this is the name of a person knowledgeable about plant operations), phone number, facsimile number, and email address in the spaces provided.
- Enter the name of the plant operating company as the "company name".
- Enter the "parent company" of the plant operating company in the space provided.
- Enter the address of the plant operating company in the spaces provided.
- Enter the name, title, telephone number, facsimile number, and email address of a contact person for the plant operating company in the spaces provided.
- Enter the name, title, address, telephone number, facsimile number, and email address of a supervisory contact person in the spaces provided. This should be the supervisor of the report preparer.

Resubmissions: A resubmission is required whenever an error greater than 5% of the true value is discovered by a respondent or if requested by EIA.

PART 2. PLANT INFORMATION AND OPERATING STATUS

Enter a plant operating status by checking one of the boxes labeled and defined as follows:

1. **Active** – Active plants are those actively producing products for at least one day during the month.
2. **Temporarily inactive** – Temporarily inactive plants are those that had no production during the month (due to maintenance or other temporary events), but where the plant operator planned to resume production after a defined period of weeks or months, or there is no plan to resume production, but the plant operator intends to maintain plant capacity in operable condition. Plants that store fuel products, but have no production remain temporarily inactive until they either resume production or ship out or otherwise consume or dispose of the last of their stocks of fuel products in which case they may change status to permanently ceased operations.
3. **Permanently ceased operations** – Plants that permanently ceased operations are those that had no production and zero stocks of fuel products in the current report month, and the plant operator has no plans to resume producing or storing any fuel products within a defined timeframe, and the plant operator does not intend to maintain the plant in operable condition. Plants that permanently cease operations are usually intended to be dismantled at some point.
4. **Sold to another company** – Plants sold to another company are those that were sold to a new operating company and the new company operated the plant for all or part of the current report month. Report the date of the sale, the name

and address of the new operating company, and the name of a contact person for the new operating company with an email address, telephone number, and facsimile number.

5. **Leased to another company** – Plants leased to another company are those that were leased to a new operating company and the new company operated the plant for all or part of the current report month. Report the date of the lease, the name and address of the new operating company, and the name of a contact person for the new operating company with an email address, telephone number, and facsimile number. Only report the plant as leased to another company if the lease involves a change into the operating company and the new operating company will also file reports for the plant with EIA. Report plant operating status as “active”, “temporarily inactive”, or “permanently ceased operations” if the plant was leased to another company but the owner will continue to be the company filing reports with EIA.

COMMENTS

Form EIA-819 includes a comment section after Parts 1 and 2 of the survey form where reporting companies have the option to explain events affecting reported data. Comments provided in the box after Parts 1 and 2 may apply to data in any section of the survey form. Providing comments helps EIA to evaluate and understand reported data. Providing comments in the box after Parts 1 and 2 is optional, but comments may reduce the requirement for follow-up questions from EIA.

There is a second comment section at the end of Part 9 where biofuel plant operators report feedstock consumption for biofuel production. Biofuel plant operators use this comment field to identify specific feedstocks when quantities are reported on the line for “other feedstocks not elsewhere specified or identified”.

Comments will be protected in the same manner as other information reported on this form as described in detail in the **Disclosure of Information** portion of these instructions.

SPECIFIC INSTRUCTIONS BY PRODUCER TYPE

FUEL ALCOHOL PRODUCERS

In addition to Parts 1 and 2 and any comments that may be provided, fuel alcohol producers complete Parts 3, 4, and 9 of Form EIA-819 each month.

Fuel alcohol producers complete Part 11, “Annual Fuels and Feedstocks Consumed for Plant Operations” each year when reporting data for the month of February (received at EIA by March 20). Quantities reported in Part 11 equal cumulative consumption of fuels and feedstocks for the prior calendar year or for the portion of the prior calendar year when your company operated the plant.

PART 3: OPERABLE FUEL ALCOHOL PRODUCTION CAPACITY

Report operable fuel alcohol production capacity as of the first day of each report month in gallons per year. Operable production capacity reported on Form EIA-819 is intended to measure estimated gallons of fuel alcohol that a plant is capable of producing over a period of one year (365 consecutive days) starting on the first day of each report month.

Operable capacity includes the following:

- Capacity that was in operation on the first day of the month
- Capacity that was not in operation on the first day of the month and was not under active repair, but could be placed in operation within 30 days
- Capacity that was not in operation on the first day of the month and was under active repair and could reasonably be expected to be placed in operation within 90 days

Exclude capacity that is not operable based on the above criteria.

Nameplate (or design) capacity may be used as baseline production capacity but adjust nameplate (or design) capacity up or down to account for modifications to plant equipment and processes, re-evaluation of capacity based on plant operating experience, and/or changes to regulatory constraints that affect production capacity. Production capacity reported on Form EIA-819 is expected to remain constant in most months with changes occurring when one or more of the above factors results in a quantifiable change to production capacity that is expected to be sustainable over the 365 consecutive days beginning with the first day of the report month.

PART 4: FUEL ALCOHOL, DENATURANT, AND GASOLINE PRODUCTION, BLENDING, RECEIPTS, SHIPMENTS, PLANT USE AND LOSS, AND STOCKS

Report quantities in cumulative gallons per month except stocks. Report stocks beginning of month equal to gallons held on site at midnight on the last day of the prior report month. Report stocks on site at the end of the month equal to gallons held on site at midnight on the last day of the current report month. Report stocks in transit by water and rail equal to gallons that were in transit to the fuel alcohol plant by water and rail at midnight on the last day of the current report month.

Report for each product (except for shaded cells), beginning and end-of-month stocks on site, receipts, production from renewable feedstocks, input to denaturant and product blending, production from denaturant and product blending, shipments, plant use and loss, and stocks in transit to the plant at the end of the month. **Stocks On-site (Beginning and End of Month)**

Report beginning stocks on site as of midnight of the last day of the month prior to the current report month. Report ending stocks on site as of midnight on the last day of the current report month. Report stocks corrected to 60°F less basic sediment and water (BS&W).

Report stocks in the custody of the plant regardless of ownership.

Exclude stocks that were in transit but not on site at the beginning and end of the report month. Stocks in transit to the plant by water and rail are reported separately from stocks on site as described below.

Stocks in Transit by Water and Rail

Report all domestic and foreign stocks in transit to the fuel alcohol plant by water and rail. Exclude stocks in transit by pipeline. Stocks in transit by pipeline are reported by pipeline operators on Form EIA-812, "Monthly Product Pipeline Report." Include foreign stocks only after entry through Customs. Exclude stocks of foreign origin held in bond for use as fuel in international commerce.

For purposes of this report, "after entry through Customs" is said to occur on:

- the "entry date" specified in block 7 on the U.S. Customs and Border Protection CBP Form 7501, "Entry Summary" (the entry date for a warehouse withdrawal is the date of withdrawal); or
- the "import date" specified in block 5 on the U.S. Customs and Border Protection CBP Form 214A (Statistical Copy), "Application for Foreign Trade Zone Admission and/or Status Designation"; or
- the "export date" specified in block 4 on the U.S. Department of Commerce Form 7525-V, "Shipper's Export Declaration," for shipments from Puerto Rico to the 50 States and the District of Columbia.

Receipts during Month

Report cumulative gallons received at the plant during the current report month.

Exclude gallons in transit to the plant at the end of the month.

Production from Renewable Feedstocks

Report cumulative gallons produced from renewable feedstocks (e.g., corn) during the month.

Exclude cumulative gallons of natural gasoline and petroleum motor fuels blended with fuel alcohol when reporting production from renewable feedstocks.

Input and Production for Denaturant and Product Blending

Report cumulative gallons of fuel alcohol, natural gasoline, gasoline, and other motor fuels input to or produced from denaturant and product blending during the month. Denaturant and product blending involves blending petroleum products and natural gasoline with fuel alcohol and other fuel alcohols that were produced from renewable feedstocks to produce denatured fuel alcohol products. Denaturant and product blending also includes blending fuel alcohol products produced from renewable feedstocks with petroleum products and natural gasoline to produce flex fuel and other motor fuel products that contain fuel alcohol.

The following are examples of denaturant and product blending activity reported on Form EIA-819:

- A plant operator produced 9,760 gallons of conventional fuel ethanol from corn feedstock and then blended 240 gallons of natural gasoline received from outside the plant with the conventional fuel ethanol to produce 10,000 gallons of denatured fuel ethanol that were then shipped from the plant. All of this activity happened in the same report month. In this example, report production from renewable feedstocks and input to denaturant and product blending of 9,760 gallons of conventional fuel ethanol (EIA product code 195). Report receipt and input to denaturant and product blending of 240 gallons of natural gasoline (EIA product code 220). Finally, report production from denaturant and product blending and shipment of 10,000 gallons of denatured fuel ethanol (EIA product code 190).
- A plant operator withdrew 4,000 gallons of conventional fuel ethanol and 1,000 gallons of gasoline not blended with ethanol (E0) from inventory and used the barrels to produce and ship flex fuel (E85). In this example, report input to denaturant and product blending of 4,000 gallons of conventional fuel ethanol (EIA product code 195) and 1,000 gallons of gasoline not blended with ethanol (E0) (EIA product code 170). Then report production from denaturant and product blending and shipments equal to 5,000 barrels of flex fuel (E85) (EIA product code 149). If we assume no other activity at the plant for simplicity, then report end of month stocks on site for conventional fuel ethanol and gasoline not blended with ethanol (E0) that are 4,000 gallons and 1,000 gallons lower respectively than corresponding stocks held on site at the beginning of the report month.

Total Input to and Total Production from Denaturant and Product Blending

Total input to and total production from denaturant and product blending are calculated automatically on line 998 based on reported quantities for each product line. Total input and total production balance when the quantities are equal. Imbalances are automatically calculated on line 911 of Form EIA-819. Imbalance quantities are calculated to make total input to denaturant and product blending equal total production from denaturant and product blending. Totals adjusted for imbalance quantities are automatically calculated on the total line (Code 999).

Imbalance quantities calculated on line 911 should be small relative to totals calculated on lines 998 and 999. Please review data for possible errors and make corrections before sending data to EIA when large quantities are calculated on line 911. Provide comments to explain imbalance quantities calculated on line 911 that are greater than 5% of the sum of reported quantities calculated on line 998 on reports submitted to EIA.

Shipments during Month

Report shipments out of the plant by all modes of transportation. Include intracompany shipments to other plants and storage facilities owned and/or operated by your company.

Plant Use and Loss during Month

Report internal plant use and losses of biofuels and petroleum products listed in Part 4. Include biofuels and petroleum products used on-site as fuel and for vehicles fueled at the plant.

Line Balance Item

The line balance item is calculated automatically and equals beginning stocks on site plus receipts plus production from renewable feedstocks minus input to denaturant and product blending plus production from denaturant and product blending minus shipments minus plant use and loss minus end of month stocks on site. The line balance item will equal zero (or at least be small relative to other quantities on the line) when the line balances.

Please review data for possible errors and make necessary corrections before sending the report to EIA whenever calculated line balance quantities are large relative to other quantities reported on a line. Please provide comments to explain any line balance quantities where the absolute value of the line balance quantity is greater than 5% of the smallest quantity reported on a line when the report is sent to EIA.

PART 9: CONSUMPTION OF FEEDSTOCKS FOR PRODUCTION OF BIOFUELS

Report renewable feedstocks consumed for production of biofuel and renewable fuels in pounds.

Exclude renewable feedstocks used as plant fuel or otherwise consumed for a purpose other than as input for production of biofuel or renewable fuel. Report renewable feedstocks used for purposes other than input to biofuel and renewable fuel production annually in Part 11 of Form EIA-819.

PART 11: ANNUAL FUELS AND FEEDSTOCKS CONSUMED FOR PLANT OPERATIONS

Report cumulative annual fuels and feedstocks for the prior calendar year when submitting Form EIA-819 for the month of February. If your company operated the plant for only part of the prior calendar year, then report cumulative fuels and feedstocks for the part of the year when your company operated the plant.

Report quantities of each product listed using units listed on Form EIA-819.

BIODIESEL PRODUCERS

In addition to Parts 1 and 2 and any comments that may be provided, biodiesel producers complete Parts 5, 6, and 9 of Form EIA-819 each month.

Biodiesel producers complete Part 11, "Annual Fuels and Feedstocks Consumed for Plant Operations" each year when reporting data for the month of February (received at EIA by March 20). Quantities reported in Part 11 equal cumulative consumption of fuels and feedstocks for the prior calendar year or for the portion of the prior calendar year when your company operated the plant.

PART 5: OPERABLE BIODIESEL PRODUCTION CAPACITY

Report operable biodiesel production capacity as of the first day of each report month in gallons per year. Operable production capacity reported on Form EIA-819 is intended to measure estimated gallons of biodiesel that a plant is capable of producing over a period of one year (365 consecutive days) starting on the first day of each report month.

Operable capacity includes the following:

- Capacity that was in operation on the first day of the month
- Capacity that was not in operation on the first day of the month and was not under active repair, but could be placed in operation within 30 days
- Capacity that was not in operation on the first day of the month and was under active repair and could reasonably be expected to be placed in operation within 90 days

Exclude capacity that is not operable based on the above criteria.

Nameplate (or design) capacity may be used as baseline production capacity but adjust nameplate (or design) capacity up or down to account for modifications to plant equipment and processes, re-evaluation of capacity based on plant operating experience, and/or changes to regulatory constraints that affect production capacity. Production capacity reported on Form EIA-819 is expected to remain constant in most months with changes occurring when one or more of the above factors results in a quantifiable change to production capacity that is expected to be sustainable over the 365 consecutive days beginning with the first day of the report month.

PART 6: BIODIESEL, PETROLEUM DIESEL FUEL, OTHER DISTILLATE FUEL OILS, AND KEROSENE PRODUCTION, BLENDING, RECEIPTS, SHIPMENTS, PLANT USE AND LOSS, AND STOCKS

Report quantities in cumulative gallons per month except stocks. Report stocks beginning of month equal to gallons held on site at midnight on the last day of the prior report month. Report stocks on site at the end of the month equal to gallons held on site at midnight on the last day of the current report month. Report stocks in transit by water and rail equal to gallons that were in transit to the biodiesel plant by water and rail at midnight on the last day of the current report month.

Report for each product (except for shaded cells), beginning and end-of-month stocks on site, receipts, production from renewable feedstocks, input to blending, production from blending, shipments, plant use and loss, and stocks in transit to the plant at the end of the month. **Stocks On-site (Beginning and End of Month)**

Report beginning stocks on site as of midnight of the last day of the month prior to the current report month. Report ending stocks on site as of midnight on the last day of the current report month. Report stocks corrected to 60oF less basic sediment and water (BS&W).

Report stocks in the custody of the plant regardless of ownership.

Exclude stocks that were in transit but not on site at the beginning and end of the report month. Stocks in transit to the plant by water and rail are reported separately from stocks on site as described below.

Stocks in Transit by Water and Rail

Report all domestic and foreign stocks in transit to the biodiesel plant by water and rail. Exclude stocks in transit by pipeline. Stocks in transit by pipeline are reported by pipeline operators on Form EIA-812, "Monthly Product Pipeline Report." Include foreign stocks only after entry through Customs. Exclude stocks of foreign origin held in bond for use as fuel in international commerce.

For purposes of this report, “after entry through Customs” is said to occur on:

- the “entry date” specified in block 7 on the U.S. Customs and Border Protection CBP Form 7501, “Entry Summary” (the entry date for a warehouse withdrawal is the date of withdrawal); or
- the “import date” specified in block 5 on the U.S. Customs and Border Protection CBP Form 214A (Statistical Copy), “Application for Foreign Trade Zone Admission and/or Status Designation”; or
- the “export date” specified in block 4 on the U.S. Department of Commerce Form 7525-V, “Shipper’s Export Declaration,” for shipments from Puerto Rico to the 50 States and the District of Columbia.

Receipts during Month

Report cumulative gallons received at the plant during the current report month.

Exclude gallons in transit to the plant at the end of the month.

Production from Renewable Feedstocks

Report cumulative gallons produced from renewable feedstocks (e.g., soybean oil) during the month.

Exclude cumulative gallons of petroleum fuels blended with biodiesel when reporting production from renewable feedstocks.

Input to blending and production from blending

Report cumulative gallons of biodiesel and petroleum fuels input to blending and produced from blending during the month. Blending activity includes blending small quantities of petroleum with biodiesel (B100) to produce biodiesel blended with petroleum fuels (B51-B99) and blending biodiesel with petroleum fuels to produce petroleum fuels blended with biodiesel.

The following are examples biodiesel and product blending reported on Form EIA-819:

- A biodiesel plant operator produced 9,900 gallons of biodiesel (B100) from soybean oil (renewable feedstock) and then blended 100 gallons of ultralow-sulfur diesel fuel received from outside the plant to produce and ship 10,000 gallons of B99. This activity happened in the same report month. In this example, report production of biodiesel (B100) (EIA product code 206) from renewable feedstocks equal to 9,900 gallons. Next report input of 9,900 gallons of biodiesel (B100) to blending and report receipt and input of 100 gallons of petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur (EIA product code 465). Finally report production from blending and shipment of biodiesel blended with petroleum (B51-B99) (EIA product code 209) equal to 10,000 barrels (i.e., sum of the B100 quantity produced from renewable feedstocks and the blended petroleum diesel fuel).
- A biodiesel plant operator withdrew 4,750 gallons of ultra-low-sulfur diesel fuel and 250 biodiesel (B100) from inventory and used the barrels to produce and ship a blend of 95 volume percent petroleum diesel fuel and 5 volume percent biodiesel. In this example, report input to blending equal to 4,750 gallons of petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur (EIA product code 465) and input to blending of 250 gallons of biodiesel (B100) (EIA product code 206). Then report production from blending of petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur equal to 5,000 gallons (i.e., the sum of gallons of B100 and gallons of petroleum diesel fuel blended). If we assume no other activity at the plant for simplicity, then report end of month stocks on site for biodiesel (B100) and petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur that are 250 gallons and 4,750 gallons lower respectively than corresponding stocks held on site at the beginning of the report month.

Total input to blending and total production from blending

Total input to and total production from blending are calculated automatically on line 998 based on reported quantities for each product line. Total input and total production balance when the quantities are equal. Imbalances are automatically calculated on line 911 of Form EIA-819. Imbalance quantities are calculated to make total input to blending equal total production from blending. Totals adjusted for imbalance quantities are automatically calculated on the total line (Code 999).

Imbalance quantities calculated on line 911 should be small relative to totals calculated on lines 998 and 999. Please review data for possible errors and make corrections before sending data to EIA when large quantities are calculated on line 911. Provide comments to explain imbalance quantities calculated on line 911 that are greater than 5% of the sum of reported quantities calculated on line 998 on reports submitted to EIA.

Shipments during Month

Report shipments out of the plant by all modes of transportation. Include intracompany shipments to other plants and storage facilities owned and/or operated by your company.

Plant Use and Loss during Month

Report internal plant use and losses of biofuels and petroleum products listed in Part 6. Include biofuels and petroleum products used on-site as fuel and for vehicles fueled at the plant.

Line Balance Item

The line balance item is calculated automatically and equals beginning stocks on site plus receipts plus production from renewable feedstocks minus input to blending plus production from blending minus shipments minus plant use and loss minus end of month stocks on site. The line balance item will equal zero (or at least be small relative to other quantities on the line) when the line balances.

Please review data for possible errors and make necessary corrections before sending the report to EIA whenever calculated line balance quantities are large relative to other quantities reported on a line. Please provide comments to explain any line balance quantities where the absolute value of the line balance quantity is greater than 5% of the smallest quantity reported on a line when the report is sent to EIA.

PART 9: CONSUMPTION OF FEEDSTOCKS FOR PRODUCTION OF BIOFUELS

Report renewable feedstocks consumed for production of biofuel and renewable fuels in pounds.

Exclude renewable feedstocks used as plant fuel or otherwise consumed for a purpose other than as input for production of biofuel or renewable fuel. Report renewable feedstocks used for purposes other than input to biofuel and renewable fuel production annually in Part 11 of Form EIA-819.

PART 11: ANNUAL FUELS AND FEEDSTOCKS CONSUMED FOR PLANT OPERATIONS

Report cumulative annual fuels and feedstocks for the prior calendar year when submitting Form EIA-819 for the month of February. If your company operated the plant for only part of the prior calendar year, then report cumulative fuels and feedstocks for the part of the year when your company operated the plant.

Report quantities of each product listed using units listed on Form EIA-819.

**PRODUCERS OF RENEWABLE DIESEL FUEL, HEATING OIL, JET FUEL, NAPHTHA AND GASOLINE,
AND OTHER BIOFUELS AND BIOINTERMEDIATES (except fuel alcohol and biodiesel)**

In addition to Parts 1 and 2 and any comments that may be provided, producers of renewable fuels (except fuel alcohol and biodiesel) complete Parts 7, 8, and 9 of Form EIA-819 each month.

Producers of renewable fuels (except fuel alcohol and biodiesel) also complete Part 11, "Annual Fuels and Feedstocks Consumed for Plant Operations" each year when reporting data for the month of February (received at EIA by March 20). Quantities reported in Part 11 equal cumulative consumption of fuels and feedstocks for the prior calendar year or for the portion of the prior calendar year when your company operated the plant.

PART 7: RENEWABLE DIESEL FUEL, HEATING OIL, JET FUEL, NAPHTHA, GASOLINE, AND OTHER BIOFUELS (EXCEPT FUEL ALCOHOL AND BIODIESEL) AND BIOINTERMEDIATES PRODUCTION CAPACITY

Report operable production capacity for renewable fuels as of the first day of each report month in gallons per year. Operable production capacity reported on Form EIA-819 is intended to measure estimated gallons of renewable fuels that a plant is capable of producing over a period of one year (365 consecutive days) starting on the first day of each report month.

Operable capacity includes the following:

- Capacity that was in operation on the first day of the month
- Capacity that was not in operation on the first day of the month and was not under active repair, but could be placed in operation within 30 days
- Capacity that was not in operation on the first day of the month and was under active repair and could reasonably be expected to be placed in operation within 90 days

Exclude capacity that is not operable based on the above criteria.

Nameplate (or design) capacity may be used as baseline production capacity but adjust nameplate (or design) capacity up or down to account for modifications to plant equipment and processes, re-evaluation of capacity based on plant operating experience, and/or changes to regulatory constraints that affect production capacity. Production capacity reported on Form EIA-819 is expected to remain constant in most months with changes occurring when one or more of the above factors results in a quantifiable change to production capacity that is expected to be sustainable over the 365 consecutive days beginning with the first day of the report month.

PART 8: RENEWABLE DIESEL FUEL, HEATING OIL, JET FUEL, NAPHTHA, GASOLINE, AND OTHER BIOFUELS AND BIOINTERMEDIATES (EXCEPT FUEL ALCOHOL AND BIODIESEL) PRODUCTION, BLENDING, RECEIPTS, SHIPMENTS, PLANT USE AND LOSS, AND STOCKS

Report quantities in cumulative gallons per month except stocks. Report stocks beginning of month equal to gallons held on site at midnight on the last day of the prior report month. Report stocks on site at the end of the month equal to gallons held on site at midnight on the last day of the current report month. Report stocks in transit by water and rail equal to gallons that were in transit to the renewable fuels plant by water and rail at midnight on the last day of the current report month.

Report for each product (except for shaded cells), beginning and end-of-month stocks on site, receipts, production from renewable feedstocks, input to blending, production from blending, shipments, plant use and loss, and stocks in transit to the plant at the end of the month. **Stocks On-site (Beginning and End of Month)**

Report beginning stocks on site as of midnight of the last day of the month prior to the current report month. Report ending stocks on site as of midnight on the last day of the current report month. Report stocks corrected to 60°F less basic sediment and water (BS&W).

Report stocks in the custody of the plant regardless of ownership.

Exclude stocks that were in transit but not on site at the beginning and end of the report month. Stocks in transit to the plant by water and rail are reported separately from stocks on site as described below.

Stocks in Transit by Water and Rail

Report all domestic and foreign stocks in transit to the renewable fuels plant by water and rail. Exclude stocks in transit by pipeline. Stocks in transit by pipeline are reported by pipeline operators on Form EIA-812, "Monthly Product Pipeline Report." Include foreign stocks only after entry through Customs. Exclude stocks of foreign origin held in bond for use as fuel in international commerce.

For purposes of this report, "after entry through Customs" is said to occur on:

- the "entry date" specified in block 7 on the U.S. Customs and Border Protection CBP Form 7501, "Entry Summary" (the entry date for a warehouse withdrawal is the date of withdrawal); or
- the "import date" specified in block 5 on the U.S. Customs and Border Protection CBP Form 214A (Statistical Copy), "Application for Foreign Trade Zone Admission and/or Status Designation"; or
- the "export date" specified in block 4 on the U.S. Department of Commerce Form 7525-V, "Shipper's Export Declaration," for shipments from Puerto Rico to the 50 States and the District of Columbia.

Receipts during Month

Report cumulative gallons received at the plant during the current report month.

Exclude gallons in transit to the plant at the end of the month.

Production from Renewable Feedstocks

Report cumulative gallons produced from renewable feedstocks (e.g., soybean oil) during the month.

Exclude cumulative gallons of petroleum fuels blended with renewable fuels when reporting production from renewable feedstocks.

Input to blending and production from blending

Report cumulative gallons of renewable fuels and petroleum fuels input to blending and produced from blending during the month. Blending activity includes blending small quantities of petroleum with renewable fuels to produce renewable fuels blended with petroleum fuels and blending renewable fuels with petroleum fuels to produce petroleum fuels blended with renewable fuels.

The following are examples biodiesel and product blending reported on Form EIA-819:

- A renewable fuel plant operator produced 9,900 gallons of renewable diesel fuel from soybean oil (renewable feedstock) and then blended 100 gallons of ultra-low-sulfur diesel fuel received from outside the plant to produce and ship 10,000 gallons of renewable diesel fuel blended with petroleum ultra-low-sulfur diesel fuel. This activity happened in the same report month. In this example, report production of renewable diesel fuel (EIA product code 205) from renewable feedstocks equal to 9,900 gallons. Next report input of 9,900 gallons of renewable diesel fuel to blending and report receipt and input of 100 gallons of petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur (EIA product code 465). Finally report production from blending and shipment of renewable diesel fuel blended with petroleum (EIA product code 208) equal to 10,000 barrels (i.e., sum of the renewable diesel fuel quantity produced from renewable feedstocks and the blended quantity of petroleum diesel fuel).

- A renewable fuel plant operator withdrew 4,750 gallons of ultra-low-sulfur diesel fuel and 250 gallons of renewable diesel fuel not blended with petroleum from inventory and used the barrels to produce and ship a blend of 95 volume percent petroleum diesel fuel and 5 volume percent renewable diesel fuel. In this example, report input to blending equal to 4,750 gallons of petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur (EIA product code 465) and input to blending of 250 gallons of renewable diesel fuel not blended with petroleum (EIA product code 205). Then report production from blending of petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur equal to 5,000 gallons (i.e., the sum of the petroleum diesel fuel and renewable diesel fuel blended). If we assume no other activity at the plant for simplicity, then report end of month stocks on site for renewable diesel fuel not blended with petroleum (EIA product code 205) and petroleum diesel fuel and other distillate fuel oils containing not greater than 15 ppm of sulfur (EIA product code 465) that are 250 gallons and 4,750 gallons lower respectively than corresponding stocks held on site at the beginning of the report month.

Total Input to blending and Total Production from blending

Total input to and total production from blending are calculated automatically on line 998 based on reported quantities for each product line. Total input and total production balance when the quantities are equal. Imbalances are automatically calculated on line 911 of Form EIA-819. Imbalance quantities are calculated to make total input to blending equal total production from blending. Totals adjusted for imbalance quantities are automatically calculated on the total line (Code 999).

Imbalance quantities calculated on line 911 should be small relative to totals calculated on lines 998 and 999. Please review data for possible errors and make corrections before sending data to EIA when large quantities are calculated on line 911.

Provide comments to explain imbalance quantities calculated on line 911 that are greater than 5% of the sum of reported quantities calculated on line 998 on reports submitted to EIA.

Shipments during Month

Report shipments out of the plant by all modes of transportation. Include intracompany shipments to other plants and storage facilities owned and/or operated by your company.

Plant Use and Loss during Month

Report internal plant use and losses of biofuels and petroleum products listed in Part 8. Include biofuels and petroleum products used on-site as fuel and for vehicles fueled at the plant.

Line Balance Item

The line balance item is calculated automatically and equals beginning stocks on site plus receipts plus production from renewable feedstocks minus input to blending plus production from blending minus shipments minus plant use and loss minus end of month stocks on site. The line balance item will equal zero (or at least be small relative to other quantities on the line) when the line balances.

Please review data for possible errors and make necessary corrections before sending the report to EIA whenever calculated line balance quantities are large relative to other quantities reported on a line. Please provide comments to explain any line balance quantities where the absolute value of the line balance quantity is greater than 5% of the smallest quantity reported on a line when the report is sent to EIA.

PART 9: CONSUMPTION OF FEEDSTOCKS FOR PRODUCTION OF BIOFUELS

Report renewable feedstocks consumed for production of biofuel and renewable fuels in pounds.

Exclude renewable feedstocks used as plant fuel or otherwise consumed for a purpose other than as input for production of biofuel or renewable fuel. Report renewable feedstocks used for purposes other than input to biofuel and renewable fuel production annually in Part 11 of Form EIA-819.

PART 11: ANNUAL FUELS AND FEEDSTOCKS CONSUMED FOR PLANT OPERATIONS

Report cumulative annual fuels and feedstocks for the prior calendar year when submitting Form EIA-819 for the month of February. If your company operated the plant for only part of the prior calendar year, then report cumulative fuels and feedstocks for the part of the year when your company operated the plant.

Report quantities of each product listed using units listed on Form EIA-819.

PRODUCERS OF ISOCTANE, ISOCTENE, AND FUEL OXYGENATES (except fuel alcohol and other fuel alcohols produced from renewable feedstocks)

In addition to Parts 1 and 2 and any comments that may be provided, producers of isooctane, isooctane, and fuel oxygenates (except fuel ethanol and other fuel alcohols produced from renewable feedstocks complete Parts 10 and 11 of Form EIA-819 each month.

Producers of isooctane, isooctane, and fuel oxygenates (except fuel ethanol and other fuel alcohols produced from renewable feedstocks) also complete Part 11, "Annual Fuels and Feedstocks Consumed for Plant Operations" each year when reporting data for the month of February (received at EIA by March 20). Quantities reported in Part 11 equal cumulative consumption of fuels and feedstocks for the prior calendar year or for the portion of the prior calendar year when your company operated the plant.

PART 10: FUEL OXYGENATES (EXCEPT FUEL ETHANOL AND OTHER FUEL ALCOHOLS PRODUCED FROM RENEWABLE FEEDSTOCKS), ISOCTANE AND ISOCTENE PRODUCTION, FEEDSTOCK INPUT, BLENDING, RECEIPTS, SHIPMENTS, PLANT USE AND LOSS, AND STOCKS

Report quantities in cumulative barrels per month except stocks. Report stocks on site at the end of the month equal to barrels held on site at midnight on the last day of the current report month. Report stocks in transit by water and rail equal to barrels that were in transit to the plant by water and rail at midnight on the last day of the current report month.

Report for each product (except for shaded cells), production during the month, input of feedstock during the month, stocks on site at the end of the month, and stocks in transit to the plant by water and rail at the end of the month.

Production during the month

Report cumulative monthly production of isooctane, isooctene, methyl tertiary butyl ether (MTBE), and ethyl tertiary butyl ether (ETBE), and "other" fuel oxygenates (excluding fuel ethanol and other fuel alcohols produced from renewable feedstocks).

Input of feedstock during the month

Report input of isobutane and isobutylene used as feedstock for production of isooctane and isooctene, and ethanol used as feedstock for production of ETBE.

Stocks on site at the end of the month

Report stocks of isobutane, isobutylene, isooctane, isooctene, and ethanol held as stocks on site at the plant at the end of each month. Excluded stocks in transit at the end of the month.

Stocks in transit by water and rail at the end of the month

Report all domestic and foreign stocks in transit to the plant by water and rail. Exclude stocks in transit by pipeline. Stocks in transit by pipeline are reported by pipeline operators on Form EIA-812, "Monthly Product Pipeline Report." Include foreign stocks only after entry through Customs. Exclude stocks of foreign origin held in bond for use as fuel in international commerce.

For purposes of this report, "after entry through Customs" is said to occur on:

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- the "export date" specified in block 4 on the U.S. Department of Commerce Form 7525-V, "Shipper's Export Declaration," for shipments from Puerto Rico to the 50 States and the District of Columbia.

PART 11: ANNUAL FUELS AND FEEDSTOCKS CONSUMED FOR PLANT OPERATIONS

Report cumulative annual fuels and feedstocks for the prior calendar year when submitting Form EIA-819 for the month of February. If your company operated the plant for only part of the prior calendar year, then report cumulative fuels and feedstocks for the part of the year when your company operated the plant.

Report quantities of each product listed using units listed on Form EIA-819.