

RFS2 Engineering Review Template

Executive Summary

Facility Name:

Facility Address:

Date of on-site review:

Date of Report:

[80.1450](#)(b)(2): An independent third-party engineering review and written report and verification of the information provided pursuant to paragraph (b)(1) of this section. The report and verification shall be based upon a site visit and review of relevant documents and shall separately identify each item required by paragraph (b)(1) of this section, describe how the independent third-party evaluated the accuracy of the information provided, state whether the independent third-party agrees with the information provided, and identify any exceptions between the independent third-party's findings and the information provided.

Summary:

Professional engineer's affirmation of third-party independence per [80.1450](#)(b)(2):

Name of third-party independent professional engineer:

Professional engineer's signature and stamp (if applicable):

1. A description of the types of renewable fuels or ethanol that the producer intends to produce at the facility and that the facility is capable of producing without significant modifications to the existing facility:

2. A list of all the feedstocks the facility is capable of utilizing without significant modification to the existing facility:

3. A description of the facility's renewable fuel or ethanol production processes:

4. The type of co-products produced with each type of renewable fuel or ethanol:

5. Verification of the attached process heat fuel supply plan (See [1450\(b\)\(1\)\(A\)](#)). A process heat supply plan should include:
 - (1) *Each type of process heat fuel used at the facility.*
 - (2) *Name and address of the company supplying each process heat fuel to the renewable fuel or foreign ethanol facility.*

6. Verification of attached records supporting the Permitted Capacity, Actual Peak Capacity, and/or Baseline Volume as defined in [80.1401](#).

Please note that a baseline volume is only required for facilities that have registered for the 20% greenhouse gas exemption. The baseline volume should be based on either permit or production records that meet the requirements of permitted capacity/actual peak capacity as defined in 80.1401. To use a permit for permitted capacity, the allowable volume of renewable fuel must be listed in the permit. Please supply all pages of the permit as an attachment and state in this section the page number of the listed volume. If no such permit exists, please provide production records for the years described in the definition of actual peak capacity provided in 80.1401.

For all facilities not claiming the 20% exemption, only a permitted capacity or actual peak capacity is required. If utilizing a permit to establish this volume, supply all pages as an attachment and state the page number of the listed volume. If no permit exists, please supply five years of production records, including the year being utilized in the registration, in support of actual peak capacity. If five years of records are not available, provide as many records as the facility has on file.

7. Verification of attached Separated Yard, Food, and Municipal Solid Waste Plans per [80.1450\(b\)\(1\)\(vii\)](#) and [80.1450\(b\)\(1\)\(viii\)](#)/ **If not applicable, write N/A.**

For each of the applicable plans, please provide the name and address of all waste feedstock providers. Additionally, the EPA requires a plan for separated food waste and separated yard waste that documents: 1) how the waste will be collected, 2) how the waste is kept separate from other waste materials and only consists of either food or yard waste and 3) (food waste only) how the cellulosic and non-cellulosic portions of the waste will be quantified. For Municipal Solid Waste, please refer to the requirements stated in [80.1450\(b\)\(1\)\(viii\)](#). *(Note: Companies who have registered with the feedstock of either biogenic waste oils/fats/greases or non-cellulosic portions of separated food waste need to submit a separated food waste plan.)*

8. Verification of attached documentation outlined in [80.1450\(b\)\(1\)\(ix\)](#) and [80.1450\(b\)\(1\)\(x\)](#) for facilities using Grain Sorghum, *Arundo donax*, or *Pennisetum purpureum* feedstocks. **If not applicable, write N/A.**
9. RIN generation information for RIN generating producers (three year updates only. For more information, please review the regulation below). **If not applicable, write N/A.**

Per [80.1450\(d\)\(iii\)](#): In addition to conducting the engineering review and written report and verification required by paragraph (b)(2) of this section, the updated independent third-party engineering review shall include a detailed review of the renewable fuel producer's calculations used to determine VRIN of a representative sample of batches of each type of renewable fuel produced since the last registration. The representative sample shall be selected in accordance with the sample size guidelines set forth at § [80.127](#).

Outline of attachments:

- A. Copy of CDX OTAQREG generated Company Update Request (CR-####)
- B. Professional Engineer credentials, resume, and experience
- C. Process Heat Fuel Supply Plan
 - i. Affidavit from the biogas supplier
- D. Separated Food Waste Plan
- E. Air permits supporting Permitted Capacity
 - i. Calculations converting to gallons/year
- F. Production records supporting Actual Peak Capacity
 - i. Calculations converting to gallons/year
- G. Three-year engineering review update RIN verification calculations
- H. Any additional documents (e.g., pictures from on-site review)