

# USER GUIDE TO THE DOCKET FOR THE RULEMAKING FOR THE STEAM ELECTRIC POWER GENERATING EFFLUENT LIMITATIONS GUIDELINES

Docket Number: EPA-HQ-OW-2009-0819  
August 2020

This document provides information on how to reference and search the docket supporting the Rulemaking for the Steam Electric Power Generating Effluent Limitations Guidelines. This users guide focuses on the Agency's proposed reconsideration of effluent limitations guidelines and standards (ELGs) for the Steam Electric Power Generating Point Source Category. See the Federal Register Notice presenting the EPA's proposed revisions to the Steam Electric ELGs (84 FR 64620).

Docket ID No. EPA-HQ-OW-2009-0819 is the official docket for the Rulemaking for the Steam Electric Power Generating Effluent Limitations Guidelines. This docket contains all notices, proposed rules, rules, supporting and related materials, and public submissions since the EPA announced its plan to revise the Steam Electric ELGs in 2009.

The official docket consists of the documents specifically referenced in the Federal Register notices of these actions, any public comments received, and other related information. Although it is a part of the official docket, Confidential Business Information (CBI) or other information whose disclosure is restricted by statute is not included in the materials available to the public.

## How can I access the docket?

The official public docket is the collection of electronic and hard copy materials. Users can access the electronic version of the public docket supporting the proposed revisions to the Steam Electric ELGs online at [www.regulations.gov](http://www.regulations.gov). All electronic and hard copy materials are made publicly available at the Water Docket in the EPA Docket Center, (EPA/DC), located in the EPA Headquarters Library, WJC West Building, Room Number 3334, 1301 Constitution Ave., NW, Washington, DC.

You can search, filter, and view the Regulations.gov web site for notices, proposed rules, final rules, supporting materials, and public comments corresponding to a specific docket. You can also export an index of the docket contents from the web site to search for specific record items.

Certain documents are not available in the electronic docket system. These documents include but are not limited to copyright-protected material, physical objects (e.g., maps), data included in MS Access databases (a format not currently supported by Regulations.gov), and information that has been claimed confidential. If certain documents are unavailable online, the document information at Regulations.gov will include instructions on how to access the information, as long as it has not been claimed confidential. For example, if you see "*No documents available.*" under the "Content" section of selected file, click on "Show More Details." Text within the "Abstract" field will include instructions for viewing the docket such as "*This media is not available in Regulations.gov. Contact the EPA Docket Center, Public Reading Room to view or receive a copy of this document.*"

Can I retrieve information that has been claimed “Confidential Business Information?”

No, CBI documents are not available for review by the public and are not filed in the Water Docket in the EPA Docket Center.

How are Documents Organized in the EPA-HQ-OW-2009-0819 Docket?

Each document in the docket has two document identification numbers. One is the Regulations.gov Document ID (e.g., EPA-HQ-OW-2009-0819-8935) that is assigned when the EPA adds the document to the official docket. The last four digits are the unique Regulations.gov Document ID. The second is the document control number (DCN) that was assigned during the development of the document (e.g., DCN SE08650). In documents prepared for the docket, the EPA typically identifies references by their DCN. The DCN typically appears at the end of the document titles in the Document Title field listed in Regulations.gov (e.g., “Supplemental Technical Development Document for Revisions to the Effluent Limitations Guidelines and Standards for the Steam Electric Power Generating Point Source Category – DCN SE08650”). The EPA included an index of the docket items supporting the reconsideration, [EPA-HQ-OW-2009-0819-9016](#), that is organized by record section and includes the following fields for each docket item:

Field Name	Description
Record Section	Section number from docket subject outline.
Document ID	Unique document number assigned when the EPA added the document to the official docket. The Document ID Number includes the Docket Number (e.g., EPA-HQ-OW-2009-0819-8211) followed by a unique document number to distinguish the individual documents within the docket.
Title	Title of document.
Abstract	Additional description of document.
Document Type	Type of supporting and related materials (e.g., publication, meeting materials, data, etc.).
Author	Author of document (Last name, first full name).
Author Date	Date of publication, issue, edition, or version. Actual date of meeting or telephone call.
CBI	Confidential Business Information (True/False). CBI is not available to the public.
Copyrighted	Materials that are copyright protected (e.g., books and other published material) (True/False). Copyrighted documents are not available through Regulations.gov; they are only available in hard copy at the EPA Docket Center.
DCN	Unique document control number (DCN) assigned during the development of the document.

What is the Docket EPA-HQ-OW-2009-0819 Subject Outline?

The EPA has prepared a *subject outline* of the documents included in EPA-HQ-OW-2009-0819 to help you locate documents that address related topics or subjects, see Attachment 1. With the exception of public submissions, each document in the docket has been assigned to an outline section.

As discussed above, this users guide focuses on the EPA’s reconsideration of the Steam Electric ELGs; the following table lists the applicable record section for the different phases captured in this docket.

#### **RECORD SECTIONS FOR THE DOCKET PHASES**

<b>Record Sections</b>	<b>Docket Phase</b>
01.0 – 10.0	Proposal
11.0 – 19.0	Final
20.0 – 25.1	Postponement
26.0 – 34.0	Proposed Reconsideration
35.0 – 43.0	Final Reconsideration

For more information on Record Sections 01.0 – 34.0, including indices of record items supporting the EPA’s actions, see [EPA-HQ-OW-2009-0819-6474](#) and [EPA-HQ-OW-2009-0819-8277](#).

#### Who can I contact for further information?

The primary contact regarding questions or comments for docket EPA-HQ-OW-2009-0819 is:

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**Attachment 1**

**STEAM ELECTRIC ELGS – RECORD SECTION OUTLINE**

**DOCKET  
EPA-HQ-OW-2009-0819**

## RECORD SECTION SUBJECT GUIDE

### 2013 PROPOSAL

#### 1.0 INDUSTRY DESCRIPTION

- 1.1 **Industry Profile** (October 2009 Detailed Study Report, correspondence and general information from trade associations, industry, and others; process literature; company reports; product literature.)
- 1.2 **Industry Regulatory Status** (Relevant state regulations and permits.)
- 1.3 **Process Technologies** (General description of plant operations and equipment, including vendor information.)
- 1.4 **Other Literature** (Pollutant descriptions, process chemistry, toxicology information, pollution and environmental concerns, and newspaper and related press articles.)
- 1.5 **Public Meetings and Stake Holder Meeting Materials**

#### 2.0 TECHNICAL DATA

##### 2.1 Industry-Submitted Data

- 2.1.1 **Monitoring Data** (Long-term monitoring data submittals; does not include data submitted with questionnaire.)
- 2.1.2 **Treatment Data** (Pilot- and bench-scale studies submitted by plants or other organizations.)
- 2.1.3 **Other Submissions** (Other industry and industry trade association technical data submissions, discharge data, treatment data, and performance data specific to Steam Electric plants not included elsewhere.)

##### 2.2 Questionnaire Data

- 2.2.1 **Development Files** (Draft and final questionnaires, Information Collection Request, Federal Register notice and comments, and FAQs.)
- 2.2.2 **Mailing List Development** (Mailing lists, sources/contacts, and mailout instructions/tracking.)
- 2.2.3 **Steam Electric Questionnaire Extension Requests**
- 2.2.4 **Electronic Questionnaire Databases** (Database development, data entry program, data element dictionaries, and tables/queries.)
- 2.2.5 **Survey Responses** (Review/coding and helpline guidelines, original and review copy, and helpline/review telephone call notes and emails.)

##### 2.3 Site Visits

##### 2.4 Sampling Program

- 2.5 **Supplementary Data** (Material which cannot be easily filed in one of the other background support components, but which is helpful to describing the industry or its current status, such as the rationale for the development of regulations, old policies.)

### 3.0 TECHNICAL DATA INTERPRETATION

(Includes evaluations for pollutants of concern, technology options, and best management practices. Also includes other aggregate facility data and analyses, summaries, calculations, and conclusions based on the data from more than one facility used to develop or reject options.)

### 4.0 OPTIONS ANALYSIS

#### 4.1 Engineering Costs

- 4.1.1 **Engineering Cost Model** (Memoranda and documentation on cost approach, model development, quality assurance documentation.)

- 4.1.2 **Cost Estimates** (Facility-specific and industry-level cost estimates and relevant documentation.)

#### 4.2 Pollutant Loads

- 4.2.1 **Pollutant Removals Model** (Memoranda and documentation on loadings approach, model development, quality assurance documentation.)

- 4.2.2 **Pollutant Load and Removal Estimates** (Facility-specific and industry-level loadings estimates and relevant documentation.)

#### 4.3 Non-Water Quality Environmental Impacts (NWQEI)

- 4.3.1 **NWQEI Model** (Memoranda and documentation on NWQEI approach, model development, quality assurance documentation.)

- 4.3.2 **NWQEI Estimates** (Facility-specific and industry-level loadings estimates and relevant documentation.)

### 5.0 ECONOMIC DATA, INTERPRETATION, AND ANALYSIS AND BENEFITS ASSESSMENT

### 6.0 STATISTICAL ANALYSIS

### 7.0 BENEFITS ANALYSIS

### 8.0 ENVIRONMENTAL ASSESSMENT

#### 8.1 Literature Review Documentation

#### 8.2 Model Documentation

### 9.0 INTERAGENCY REVIEW

(Includes draft *Federal Register* Notice submitted to interagency review, and documentation of changes made during interagency review.)

## **10.0 PROPOSED RULEMAKING PACKAGE MATERIALS**

(Includes *Federal Register* Notice, Technical Development Document, and Environmental Assessment Report.)

### **2015 RULE**

## **11.0 REGULATION REVIEW PROCESS**

### **11.1 Public Comments**

### **11.2 Public Participation**

#### **11.2.1 Public Hearing Transcript and Related Materials**

#### **11.2.2 EPA Webinar**

#### **11.2.3 Stakeholder Meetings**

#### **11.2.4 Correspondence Regarding Plant-Specific Costs/Loads**

### **11.3 Interagency Review**

## **12.0 SUPPLEMENTAL INDUSTRY DESCRIPTION**

**12.1 Industry Profile** (Correspondence and general information from trade associations, industry, and others (not provided as comments); retirement/conversion announcements, process literature; company reports; product literature; industry statistics; description of other industries related to Steam Electric power generation.)

**12.2 Industry Regulatory Status** (Relevant state regulations, permits, and other applicable regulations to the industry to date.)

**12.3 Process Technologies** (General description of plant operations and equipment, including vendor information.)

**12.4 Other Literature** (Pollutant descriptions, process chemistry, toxicology information, pollution and environmental concerns, and newspaper and related press articles.)

## **13.0 TECHNICAL DATA**

**13.1 Industry- and Vendor-Submitted Data** (Data submitted by trade associations, plants, or vendors (not as part of comments).)

**13.2 Questionnaire Databases** (CBI and Sanitized Versions of the Questionnaire Database and Quality Control sheets associated with queries)

**13.3 Site Visits** (Additional site visits conducted after proposal or updates/changes to previous site visits)

- 13.4 Sampling Program** (Additional sampling efforts or EPA-supported sampling conducted after proposal or updates changes to the previous sampling reports)
- 13.5 Other Supplementary Data** (Other industry and industry trade association technical data submissions, discharge data, treatment data, and performance data specific to Steam Electric plants not included elsewhere.)
- 13.6 Environmental Integrity Project FOIA Appeal Substantiation**

## **14.0 OPTIONS ANALYSES**

### **14.1 Engineering Costs**

**14.1.1 Engineering Cost Model** (Memoranda and documentation on cost approach, model development, quality assurance documentation.)

**14.1.2 Cost Estimates** (Facility-specific and industry-level cost estimates and relevant documentation.)

### **14.2 Pollutant Loads**

**14.2.1 Pollutant Removals Model** (Memoranda and documentation on loadings approach, model development, quality assurance documentation.)

**14.2.2 Pollutant Load and Removal Estimates** (Facility-specific and industry-level loadings estimates and relevant documentation.)

### **14.3 Non-Water Quality Environmental Impacts**

**14.3.1 NWQEI Model** (Memoranda and documentation on NWQEI approach, model development, quality assurance documentation.)

## **15.0 ECONOMIC DATA, INTERPRETATION, AND ANALYSIS**

## **16.0 STATISTICAL ANALYSIS**

## **17.0 BENEFITS ANALYSIS**

## **18.0 ENVIRONMENTAL ASSESSMENT**

### **18.1 Literature Review Documentation**

**18.1.1 Receiving Water Impacts**

**18.1.2 Other Literature**

### **18.2 EA Loadings Documentation**

**18.2.1 Current Profile**



- 18.3 Non-Water Quality Environmental Impacts**
  - 18.3.1 Data Compilation and Review**
  - 18.3.2 Immediate Receiving Waters**
  - 18.3.3 Case Studies**
  - 18.3.4 Downstream Waters**
- 18.4 Human Health and Wildlife Model Documentation**
  - 18.4.1 Data Compilation and Review**
  - 18.4.2 Immediate Receiving Waters**
  - 18.4.3 (Vacant)**
  - 18.4.4 Downstream Waters**
- 18.5 Proximity Analyses Documentation**
  - 18.5.1 Impaired Waters**
  - 18.5.2 Fish Consumption Advisories**
- 18.6 Other Analyses**

**19.0 RULEMAKING PACKAGE FOR PROMULGATION**

(Includes Federal Register Notice, Technical Development Document, and Environmental Assessment Report.)

**POST-2015 RULE**

**20.0 FINAL RULE OUTREACH**

**21.0 FOIA REQUESTS AND RESPONSE MATERIALS**

**22.0 EVALUATION OF INDUSTRIAL NON-UTILITIES**

**23.0 FUNDAMENTALLY DIFFERENT FACTORS VARIANCE REQUESTS**

**24.0 LITIGATION**

**25.0 PETITIONS**

## 2019 PROPOSAL

### 26.0 INDUSTRY DESCRIPTION

- 26.1 **Industry Profile** (Correspondence and general information from trade associations, industry, and others; retirement, fuel conversion, technology conversion announcements; process literature; company reports; product literature; industry statistics; description of other industries related to Steam Electric power generation.)
- 26.2 **Industry Regulatory Status** (Relevant state regulations, permits, and other applicable regulations to the industry to date, including materials related to the CCR and CPP rules.)
- 26.3 **Process Technologies** (General description of plant operations and equipment, including vendor information.)
- 26.4 **Other Literature** (Pollutant descriptions, process chemistry, toxicology information, pollution and environmental concerns, background on bromides, and newspaper and related press articles.)

### 27.0 TECHNICAL DATA

- 27.1 **FGD Data** (Information and data regarding FGD wastewater generation, characterization, and management/treatment. Includes information submitted by trade associations, power companies, plants, or vendors (not in public comments). Includes cost data, pilot study data, and wastewater characterization/sampling data. Also includes data collected by EPA, including site visits, sampling data, and FGD wastewater treatment technology summaries.)
- 27.2 **Bottom Ash Data** (Information and data regarding bottom ash wastewater generation, characterization, and management/treatment. Includes information submitted by trade associations, power companies, plants, or vendors (not in public comments). Includes cost data, pilot study data, and wastewater characterization/sampling data. Also includes data collected by EPA, including site visits, sampling data, and wastewater treatment technology summaries.)
- 27.3 **Site Visits** (Site visit reports and materials from additional site visits conducted after the 2015 Rule).
- 27.4 **Other Supplementary Data** (Other industry and industry trade association technical data submissions, discharge data, treatment data, and performance data specific to Steam Electric plants not included elsewhere.)

### 28.0 OPTIONS ANALYSIS

#### 28.1 Engineering Costs

- 28.1.1 **Engineering Cost Methodology** (Memoranda and documentation on cost approach, model development, quality assurance documentation.)

**28.1.2 Cost Estimates** (Facility-specific and industry-level cost estimates and relevant documentation.)

**28.2 Pollutant Loads**

**28.2.1 Pollutant Removals Methodology** (Memoranda and documentation on loadings approach, model development, quality assurance documentation.)

**28.2.2 Pollutant Load and Removal Estimates** (Facility-specific and industry-level loadings estimates and relevant documentation.)

**28.3 Non-Water Quality Environmental Impacts**

**28.3.1 NWQEI Methodology** (Memoranda and documentation on NWQEI approach, model development, quality assurance documentation.)

**28.3.2 NWQEI Estimates** (Facility-specific and industry-level NWQEI estimates and relevant documentation.)

**28.4 Other Regulatory Option Development Materials** (Includes any documentation related to subcategorization or flexibilities associated with regulatory options.)

**29.0 ECONOMIC DATA, INTERPRETATION, AND ANALYSIS**

**30.0 STATISTICAL ANALYSIS**

**31.0 BENEFITS ANALYSIS**

**32.0 ENVIRONMENTAL IMPACT ASSESSMENT**

**32.1 Literature Review Documentation**

**32.1.1 Impacts on Drinking Water Resources**

**32.1.2 Other Literature** (Includes any additional documentation of impacts to surface waters, damage cases, or miscellaneous EA information collected.)

**32.2 EA Loadings Documentation**

**32.3 Proximity Analyses Documentation**

**32.4 National-Scale Surface Water Modeling**

**32.4.1 Data Compilation and Review**

**32.4.2 Immediate Receiving Waters**

**32.4.3 Downstream Waters**

**32.5 Human Health and Wildlife Model Documentation**

**32.5.1 Data Compilation and Review**

**32.5.2 Fish Tissue Validation & Calibration**

**32.5.3 Immediate Receiving Waters**

**32.5.4 Downstream Waters**

**32.5.5 Environmental Justice**

**32.6 Case Study Modeling**

**32.7 EA-Benefits Coordination**

**32.8 Other EA Materials**

**33.0 INTERAGENCY REVIEW**

**34.0 PROPOSED RULEMAKING PACKAGE MATERIALS**

**2020 RULE**

**35.0 REGULATION REVIEW PROCESS**

**35.1 Public Comments**

**35.2 Public Participation**

**35.2.1 Public Hearing Transcript and Related Materials**

**35.2.2 Stakeholder Meetings**

**36.0 SUPPLEMENTAL INDUSTRY DESCRIPTION**

**36.1 Industry Profile** (Correspondence and general information from trade associations, industry, and others (not provided as comments); retirement/conversion announcements, process literature; company reports; product literature; industry statistics; description of other industries related to Steam Electric power generation.)

**36.2 Industry Regulatory Status** (Relevant state regulations, permits, and other applicable regulations to the industry to date.)

**36.3 Process Technologies** (General description of plant operations and equipment, including vendor information.)

**36.4 Other Literature** (Pollutant descriptions, process chemistry, toxicology information, pollution and environmental concerns, and newspaper and related press articles.)

## **37.0 TECHNICAL DATA**

- 37.1 Industry- and Vendor-Submitted Data** (Data submitted by trade associations, plants, or vendors (not as part of comments).)
- 37.2 Site Visits** (Additional site visits conducted after proposal or updates/changes to previous site visits)
- 37.3 Other Supplementary Data** (Other industry and industry trade association technical data submissions, discharge data, treatment data, and performance data specific to Steam Electric plants not included elsewhere.)

## **38.0 OPTIONS ANALYSES**

### **38.1 Engineering Costs**

- 38.1.1 Engineering Cost Methodology** (Memoranda and documentation on cost approach, calculation development, quality assurance documentation.)
- 38.1.2 Cost Estimates** (Facility-specific and industry-level cost estimates and relevant documentation.)

### **38.2 Pollutant Loads**

- 38.2.1 Pollutant Removals Methodology** (Memoranda and documentation on loadings approach, calculation development, quality assurance documentation.)
- 38.2.2 Pollutant Load and Removal Estimates** (Facility-specific and industry-level loadings estimates and relevant documentation.)

### **38.3 Non-Water Quality Environmental Impacts (NWQEIs)**

- 38.3.1 NWQEI Methodology** (Memoranda and documentation on NWQEI approach, calculation development, quality assurance documentation.)
- 38.3.2 NWQEI Estimates** (Facility-specific and industry-level NWQEI estimates).

## **39.0 REGULATORY IMPACTS AND BENEFITS DATA AND ANALYSES**

## **40.0 STATISTICAL ANALYSIS**

## **41.0 [SECTION INTENTIONALLY LEFT BLANK]**

## **42.0 ENVIRONMENTAL ASSESSMENT**

- 42.1 Literature Review** (Documentation and materials associated with review of impacts to surface waters or drinking water resources, damage cases, and other miscellaneous information collected for the EA.)
- 42.2 EA Loadings** (Documentation and materials associated with processing of pollutant loadings and determination of population for the EA.)
- 42.3 Proximity Analyses** (Documentation and materials associated with proximity analyses for the EA.)
- 42.4 Water Quality Model** (Documentation and materials associated with water quality modeling and evaluation of water quality impacts for the EA.)
  - 42.4.1 Annual Immediate Receiving Water Analysis**
  - 42.4.2 Monthly Immediate Receiving Water Analysis**
  - 42.4.3 Downstream Waters Analysis**
- 42.5 Human Health and Wildlife Model** (Documentation and materials associated with modeling exposure and impacts to human health and wildlife for the EA.)
- 42.6 Other EA Materials** (Other documentation and materials associated with the EA.)

## **43.0 RULEMAKING PACKAGE FOR PROMULGATION**