

Template Name
CitationID
Template Version
Last Updated Date



63.4121(c) Semiannual Compliance Report (Spreadsheet Template)

63.4121(c)

v2.03

5/7/2025

OMB No.: 2060-0457 Form 5900-564 For further Paperwork Reduction Act information see:

<https://www.epa.gov/electronic-reporting-air-emissions/paperwork-reduction-act-pra-cedri-and-ert>

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surface

§63.4121(c) Semiannual Compliance Report Spreadsheet Template

Welcome and Instructions

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate Semiannual Compliance reporting for facilities subject under 40 CFR Part 63, Subpart NNNN. The template is accessed through the EPA's Central Data Exchange (<https://cdx.epa.gov>)

Electronic reporting:

Electronic submission of the Semiannual Compliance reports through the EPA's Compliance and Emissions Data Reporting (CEDRI). CEDRI is accessed through the EPA's Central Data Exchange: <https://cdx.epa.gov>

This spreadsheet template may be uploaded to CEDRI to fulfill the electronic reporting requirement under §63.4121.

Do not submit information you claim as confidential business information (CBI) to EPA via CEDRI. EPA will make all the information submitted through CEDRI available to the public. For further notice to you. Anything submitted using CEDRI cannot later be claimed to be CBI. Furthermore, under CAA section 114 and requires EPA to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made available to the public.

Although we do not expect persons to assert a claim of CBI, if persons wish to assert a CBI claim, you must submit the report via compact disc, including any information claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage media. Do not submit the digital storage media as CBI and then identify electronically within the digital storage media the specific information that is claimed to be CBI. Referencing federal regulation. If no address is specified, mail the media to:

U.S. EPA/OAQPS/CORE CBI Office Attention: Group Leader,
Measurement Policy Group MD C404-02
4930 Old Page Rd
Durham, North Carolina 27703



IMPORTANT: The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any attachments (i.e., additional information file found in the "Gen_requirements" tab).

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you are uploading multiple files, you must first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP files) into a single ZIP file for upload to CEDRI.

Template Navigation and Tabs to Complete:

Gray tab: The gray tabs (Company_Information and Compliance_Options) contain general information that is applicable to the spreadsheet may be saved as a site specific template to use in subsequent reports to limit subsequent data entry. The information period to the next. You can complete the gray tabs once and save the workbook for subsequent reporting periods in which you if needed.

Green tabs: In addition to the gray tabs, complete the green tab(s) (Semiannual_Compliant_Material, Semiannual_Without_Addon, Semiannual_W_Addon_Malfunction, Semiannual_W_Addon_CPMS, Semiannual_W_AddonOpLimit, Semiannual_W_Addon_Violation, Semiannual_W_Addon_CPMSSummary, Description_of_Changes), that represents the actual compliance option used for each tab. The green tabs are auto-completed based upon entry in Compliance_Options, Semiannual_Compliant_Material, Semiannual_Without_Addon, and

The Semiannual_Certification tab must be completed for every report.

Within the tabs, example rows are colored light red (rows 14 through 23), and the XML tags (row 13) are colored green. These

Certification:

Fill out the Semiannual_Certification tab to complete the certification statements of §63.4120(c), §63.4142(c), §63.4152(c), §

SITI

[illegible]

Address 2

AddressLine2	
--------------	--

e.g.: Suite 100

[illegible]

E INFORMATION

[illegible]

emplate[illegible]

ADDITIONAL INFORMATION

Please enter any additional information.

Enter associated file name reference.

AddInfo

AddFile

e.g.:

e.g.: addinfo.zip

40 CFR Part 63, Subpart NNNN National Emission Standard
§63.4121(c) Semiannual Compliance Report Spreadsheet T

[illegible]

[illegible]

Is for Hazardous Air Pollutants: Surface Coating of Large Appliances - emplate

Identification of the compliance option or options used on each web coating / printing and dyeing / finishing operation during the reporting period (§63.4110(b)(4) and §63.4120(b)(4))

(Select from dropdown)

If options switched during reporting period, provide beginning date (§63.4120(b)(4))

[illegible]

[illegible]

If options switched during reporting period, provide ending date (§63.4120(b)(4))

SwitchEndDate

e.g.: 3/1/2020

[illegible]

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surfa

Company Record No. (Select from dropdown)	Affected Source (\$63.4120(d)(5)) (Select from dropdown)	Coating that deviated from the emission limit or HAP containing thinner or cleaning material (\$63.4120(d)(1))
RecordId	OperationName	CoatingName
e.g.: 1	e.g.: East Coating	e.g.: Coating 351

ce Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet Template

Starting date of use (§63.4120(d)(1))	Starting time of use (§63.4120(d)(1))	Duration of use (hours) (§63.4120(d)(1))	Calculation of organic HAP content for each coating according to §63.4141 (kg) (§63.4120(d)(2))
UseStartDate	UseStartTime	UseDuration	CoatingHapContent
e.g.: 2/1/2020	e.g.: 13:05	e.g.: 36	e.g.: 150

2

Mass fraction of organic HAP for each coating, thinner, and cleaning material identified (\$63.4120(d)(3))	Cause of deviation (\$63.4120(d)(4)) (Select from dropdown)	Estimate of quantity emitted over emission limit (\$63.4120(d)(5))
HapMassFraction	DeviationCause	EmissionQuantity
e.g.: 0.6	e.g.: bad batch received	e.g.: 1.2 kg

Method of estimation used (§63.4120(d)
(5))

EstimationMethod
e.g.: Mass balance

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surface Coating of Motor Vehicles

Company Record No. (Select from dropdown)	Affected Source (\$63.4120(e)(4)) (Select from dropdown)	Starting Date Compliance Period with Deviation (\$63.4120(e)(1))	Ending Date Compliance Period with Deviation (\$63.4120(e)(1))
RecordId	OperationName	DeviationStartDate	DeviationEndDate
e.g.: 1	e.g.: West Coating	e.g.: 3/1/2020	e.g.: 3/30/2020

Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet

Filename of attached file containing the calculations used to determine the organic HAP emission rate for the compliance period. (§63.4120(e)(2))	Cause of Deviation (§63.4120(e)(3)) (Select from dropdown)
CalculationAttachment	DeviationCause
e.g.: emission_rate_calculations.pdf	e.g.: Other Unknown Causes

Sheet Template

Estimate of amount emitted over emission limit (kg/l) (\$63.4120(e)(4))	Method of estimation used (\$63.4120(e)(4))
EmissionEstimate	EstimationMethod
e.g.: 1.2	e.g.: Mass balance

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surface C

Company Record No. (Select from dropdown)	Name of Operation (\$63.4120(b)(3)) (Select from dropdown)	Starting Date Compliance Period with Deviation (\$63.4120(g)(1))	Ending Date Compliance Period with Deviation (\$63.4120(g)(1))
RecordId	OperationName	DeviationStartDate	DeviationEndDate
e.g.: 1	e.g.: East Coating	e.g.: 3/1/2020	e.g.: 3/30/2020

Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet Template

	Total mass of organic HAP emissions for the coatings, thinners, and cleansing materials used during the compliance period per Equation 1 of §63.4151 (kg) (§63.4120(g)(2))	Mass of organic HAP in the coatings used during the compliance period per Equation 1A of §63.4151 (kg) (§63.4120(g)(2))	Mass of organic HAP in the thinners used during the compliance period per Equation 1B of §63.4151 (kg) (§63.4120(g)(2))
Cause of Deviation from Emission Limit (§63. 4120(g)(14))			
DeviationCause	TotalEmissionMass	PeriodCoatingHapMa	PeriodThinnerHapMa
e.g.: Control Equipment Problems	e.g.: 5.0	e.g.: 5.0	e.g.: 5.0

Mass of organic HAP in the cleaning materials used during the compliance period per Equation 1C of §63.4151 (kg) (§63.4120(g)(2))	If applicable, total mass of organic HAP in waste material sent or designated for shipment to a hazardous waste treatment, storage, and disposal facility used in Equation 1 of §63.4151(e)(4) (kg) (§63.4120(g)(2))	Total volume of coating solids used per Equation 2 of §63.4151 (l) (§63.4120(g)(2))	Mass of organic HAP reduction by emission capture system and add-on control devices per Equation 1 of §63.4161 (kg) (§63.4120(g)(2))
PeriodCleaningHapMa	TotalWasteHapMass	TotalCoatingVolume	CaptureSystemReducti
e.g.: 5.0	e.g.: 151.3	e.g.: 5.0	e.g.: 3.51

Mass of organic HAP in the coatings used in the controlled operation per Equation 1A of §63.4161 (kg) (§63.4120(g)(2))	Mass of organic HAP in the thinners used in the controlled operation per Equation 1B of §63.4161 (kg) (§63.4120(g)(2))	Mass of organic HAP in the cleaning materials used in the controlled operation per Equation 1C of §63.4161 (kg) (§63.4120(g)(2))	Solvent recovery system's volatile organic matter collection and recovery efficiency per Equation 2 of §63.4161 (§63.4120(g)(2))
OperationCoatingHapM	OperationThinnerHapM	OperationCleaningHap	SolventRecoveryPercer
e.g.: 3.51	e.g.: 3.51	e.g.: 3.51	e.g.: 95.0%

Mass of organic HAP reduction for the coating operation controlled by the solvent recovery system per Equation 3 of §63.4161 (kg) (§63.4120(g)(2))	Organic HAP emission rate per Equation 4 of §63.4161 (kg/l) (§63.4120(g)(2))	Estimate of Quantity Emitted Over Emission Limit (kg/l) (§63.4120(g)(15))
SolventHapReduction	HapEmissionRate	EmissionQuantity
e.g.: 3.51	e.g.: 5.61	e.g.: 0.14

Method of Estimation (\$63.4120(g)
(15))

EstimationMethod

e.g.: Engineering judgement

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surface Coating Operations
§63.4121(c) Semiannual Compliance Report Spreadsheet Template

Company Record No. (Select from dropdown)	Name of Operation (§63.4120(b)(3)) (Select from dropdown)	Starting Date of Capture System or Control Device Malfunction (§63.4120(g)(3))	Starting Time of Capture System or Control Device Malfunction (§63.4120(g)(3))
RecordId	OperationName	MalfunctionStartDate	MalfunctionStartTime
e.g.: 1	e.g.: South Web Coating	e.g.: 2/1/2020	e.g.: 13:15

ating of Large Appliances -

Ending Date of Capture System or Control Device Malfunction (\$63.4120(g)(3))	Ending Time of Capture System or Control Device Malfunction (\$63.4120(g)(3))
MalfunctionEndDate	MalfunctionEndTime
e.g.: 2/3/2020	e.g.: 08:02

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants:
Surface Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet Template

Company Record No. (Select from dropdown)	Name of Operation (§63.4120(b)(3)) (Select from dropdown)	CPMS Description (§63. 4120(g)(4))	For Emission Rate with Addon Control, Date of Last CPMS Certification or Audit (§63.4120(g)(5))
RecordId	OperationName	CpmsDescription	CpmsAuditDate
e.g.: 1	e.g.: West Coating	e.g.: Combustion Temperature	e.g.: 2/1/2020

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Sui

Company Record No. (Select from dropdown)	Name of Operation (\$63.4120(b)(3)) (Select from dropdown)	CPMS Description (\$63. 4120(g)(4)) (Select from dropdown)
RecordId	OperationName	CpmsDescription
e.g.: 1	e.g.: West Coating	e.g.: Combustion Temperature

Surface Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet Template

CPMS Inoperative or Out of Control (§63. 4120(g)(6) or (7)) (Select from dropdown)	Starting Date CPMS Inoperative or Out of Control (§63. 4120(g)(6) or (7))	Starting Time CPMS Inoperative or Out of Control (§63. 4120(g)(6) or (7))	Duration CPMS Inoperative or Out of Control (hours) (§63. 4120(g)(6) or (7))
CpmsOutageDescription	CpmsOutageStartDate	CpmsOutageStartTime	CpmsOutageDuration
e.g.: Inoperative	e.g.: 3/2/2020	e.g.: 15:52	e.g.: 72.0

Cause of CPMS Being Inoperative or Out of Control (§63. 4120(g)(6) or (7))	Corrective Action Taken (§63. 4120(g)(6) or (7))
CpmsOutageCause	CorrectiveAction
e.g.: Other known causes	e.g.: replaced thermocouple

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surface

Company Record No. (Select from dropdown)	Name of Operation (\$63.4120(b)(3)) (Select from dropdown)	Operating Limit Deviated From or Bypass of Control Device (\$63. 4120(g)(8)) (Select from dropdown)
RecordId	OperationName	DeviceDeviationBypass
e.g.: 1	e.g.: South Web Coating	e.g.: Inlet to Catalyst Bed Temperature

Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet Template

Starting Date Deviation from Operating Limit or Bypass of Control Device (§63. 4120(g)(8))	Starting Time Deviation from Operating Limit or Bypass of Control Device (§63. 4120(g)(8))	Duration Deviation from Operating Limit or Bypass of Control Device (hours) (§63. 4120(g)(8))	Cause of Deviation from Operating Limit or Bypass of Control Device (§63. 4120(g) (14))
DeviationStartDate	DeviationStartTime	DeviationDuration	DeviationCause
e.g.: 3/2/2020	e.g.: 15:00	e.g. 36.2	e.g.: Control Equipment Problems

Estimate of Quantity Emitted Over Emission Limit (kg/l) (\$63.4120(g)(15))	Method of Estimation (\$63.4120(g)(15))
EmissionQuantity	EstimationMethod
e.g.: 0.14	e.g.: Engineering judgement

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants:

Company Record No. (Select from dropdown)	Work Practice Standard (\$63.4120(g)(13))
RecordId	WorkPracticeStandard
e.g.: 1	e.g.: Organic HAP and waste stored in closed containers

: Surface Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet

Description of Deviation (§63.4120(g)(13)(ii)(A))	Starting Date of Work Practice Deviation (§63.4120(g)(13)(ii)(A))
DeviationDescription	WPDeviationStartDate
e.g.: Container left open	e.g.: 3/2/2020

dsheet Template

Starting Time of Deviation from Work Practice Standard (§63.4120(g)(13)(ii)(A))	Duration of Work Practice Deviation (hours) (§63.4120(g)(13)(ii)(A))	Cause of Work Practice Deviation (§63.4120(g)(13)(ii)(B))
WPDeviationStartTime	WPDeviationDuration	WPDeviationCause
e.g.: 15:30	e.g.: 12.5	e.g.: Other known causes

Action(s) Taken to Minimize Emissions
(\$63.4120(g)(13)(ii)(A))

ActionTaken

e.g.: replaced lid

List of Affected Sources or Equipment
(§63.4120(g)(13)(ii)(B))

AffectedSource
e.g. South and west web coating

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants: Surface Coa

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Testing of Large Appliances - §63.4121(c) Semiannual Compliance Report Spreadsheet Template

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Semiannual_W_Addon_CPMSSummary

DO NOT REMOVE OR EDIT INFORMATION IN THIS SECTION FOR INTERNAL USE ONLY

Template Name 63.4121(c) Semiannual Compliance Report (Spreadsheet Template)

Citation ID 63.4121(c)

Template Version 2.03

Last Updated 45784

OMB No.: 2060-0457 Form 5900-564 For further Paperwork Reduction Act information

<https://www.epa.gov/electronic-reporting-air-emissions/paperwork-reduction-act-pr>

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants

63.4121(c) Semiannual Compliance Report Spreadsheet Template

Name of Operation CPMS Description					
Company Record ID	Operation Name	CPMS Description	Total Operating Hours	CPMS Downtime	Total Duration
e.g.: 1	e.g.: West Coast	e.g.: Combustion	e.g.: 6240	e.g.: 0	e.g.: N/A
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:

n see:
a-cedri-and-ert
nts: Surface Coating of Large Appliances -

Total DurationTotal DurationTotal Duration of CPMS Downtime Due to (				
Total Duration	Total Duration	Total Duration	Total Duration	Total Duration
(\$63.10(e)(3)(i))	(\$63.10(e)(3)(i))	(\$63.10(e)(3)(i))	(\$63.10(e)(3)(i))	(\$63.10(e)(3)(i))
CpmsDowntir	CpmsDowntir	CpmsDowntir	CpmsDowntir	CpmsDowntimeUnknown
e.g.: 0	e.g.: 0	e.g.: 0	e.g.: 0	e.g.: 0
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:
e.g.:	e.g.:	e.g.:	e.g.:	e.g.:

Other Unknown Causes (hours)

40 CFR Part 63
§63.4121(c) Se

[illegible]

Describe any CPMS, coating operation, emission capture system, or add-on control device which have occurred since the last :

PeriodChangeDesc

40 CFR Part 63, Subpart NNNN National Emission Standard

[illegible]

[illegible]

Costs for Hazardous Air Pollutants: Surface Coating of Large Appliances - \$63.4121(c) Semiannuc

[illegible]

[illegible]

11 Compliance Report Spreadsheet Template

[illegible]

[illegible]

40 CFR Part 63, Subpart NNNN National Emission Standards for Hazardous Air Pollutants:
Complete this form when you have completed the semiannual compliance report.

[illegible]

Surface Coating of Large Appliances - §63.4121(c) Semiannual Compliance Report S

[illegible]

Spreadsheet Template

No CPMS out-of-control periods [per §63.8(c)(7)] and emissions rate with add-on controls option was used. (§63.4120(f))

CpmsAddonComplianceFlag

[illegible]

40 CFR Part 63, Subpart NNN
§63.4121(c) Semiannual Cor

Revision Number	Date
1.00	2/22/2019
1.01	3/14/2019
1.02	3/24/2020
2.00	3/27/2020
2.01	5/12/2020
2.02	5/26/2020
2.03	5/7/2025

**IN National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances
Appliance Report Spreadsheet Template**

Revisions
Initial Release Version
Updated the State dropdown to include VI, PR, AS, MP, and GU.
Removed all NOCS records from template; added filtering to tables
Added hidden mapping sheet and hidden column A to allow for parsing by CEDRI EXCEL JSON Parser
Updated CBI Disclaimer.
Added formula to autocomplete RecordId on Company_Information sheet.
Add title to Revisions tab, Add PRA information to Welcome tab, update header row formatting, remove "*" from header row, revised cell alignment in data entry cells to top, wrap text in all, and autofit row height. Added "e.g." to all blank example rows to facilitate hiding the blank rows after using filtering, updated dynamic dropdowns to indicate what tab to complete when no data available. Updated Welcome and Description_of_Changes to replace difficult to read colored fonts.